CURRICULUM VITAE

Marco Antonio Marra

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Citizenship: Canada

AREAS OF EXPERTISE:

genomics, bioinformatics, genetics, epigenomics, cancer biology

EDUCATION:

Start Date	End Date	Institution	Degree	Supervisor
09/1989	09/1994	Simon Fraser University	PhD (Genetics)	Dr. David Baillie
09/1984	05/1989	Simon Fraser University	BSc (Molecular & Cell Biology)	

PhD Thesis Title: Genome analysis in *Caenorhabditis elegans*: Genetic and molecular identification of genes tightly linked to *unc-22*(IV).

ACADEMIC EMPLOYMENT HISTORY:

01/2015	Present	Head, Department of Medical Genetics, Faculty of Medicine, University of British Columbia
04/2009	Present	Distinguished Scientist, BC Cancer Research Centre, BC Cancer
07/2007	Present	Professor, Department of Medical Genetics, University of British Columbia
04/2002	Present	Director, Genome Sciences Centre, BC Cancer
01/2001	Present	Adjunct Professor, Department of Molecular Biology and Biochemistry, Simon Fraser University
06/2000	Present	Associate Member, Michael Smith Laboratories, University of British Columbia
01/2011	06/2018	Co-Founder & Co-Director, Genome Science and Technology Graduate Program, University of British Columbia
07/2002	06/2007	Associate Professor, Department of Medical Genetics, University of British Columbia
10/2000	04/2002	Co-Director (Scientific), Genome Sequence Centre, BC Cancer Agency
02/2000	06/2002	Adjunct Professor, Department of Medical Genetics, University of British Columbia
10/1999	03/2009	Senior Scientist, BC Cancer Research Centre, BC Cancer Agency
10/1999	09/2000	Associate Director, Genome Sequence Centre, BC Cancer Agency
10/1999	09/2000	Head, Mapping and Sequencing, Genome Sequence Centre, BC Cancer Agency
09/1998	09/1999	Research Faculty Instructor, Washington University School of Medicine (St. Louis, MO)
09/1996	09/1999	Group Leader, Genome Fingerprinting and Mapping Teams, Genome Sequencing Center (St. Louis, MO)
09/1994	09/1999	Group Leader, EST Sequencing Team, Genome Sequencing Center (St. Louis, MO)
12/1994	09/1998	Postdoctoral Research Associate, Washington University School of Medicine (St. Louis, MO)

HONORS, AWARDS, SCHOLARSHIPS, AND FELLOWSHIPS:

10/2019	Canadian Medical Hall of Fame Award	Canadian Medical Association
02/2019	Dr. Don Rix Lifetime Achievement Award	LifeSciences BC
11/2018	Highly Cited Researcher for 2018 and named as one of the 2018 World's Most Influential Scientific Minds	Clarivate Analytics
11/2017	Highly Cited Researcher and named as one of the 2017 World's Most Influential Scientific Minds	Clarivate Analytics
07/2017	Outstanding Achievements in Cancer Research Award	Canadian Cancer Research Alliance
12/2016	Highly Cited Researcher and named as one of the 2016 World's Most Influential Scientific Minds	Thomson Reuters
06/2016	2016 BC Health Care Award of Merit for Collaborative Solutions (for BC Cancer Agency's Personalized Onco-Genomics Project, co-led with Dr. Janessa Laskin)	Health Employers Association of British Columbia
12/2015	Highly Cited Researcher and named as one of the 2015 World's Most Influential Scientific Minds	Thomson Reuters
09/2015	Dr. Chew Wei Memorial Prize in Cancer Research	University of British Columbia
06/2014	Highly Cited Researcher and named as one of the 2014 World's Most Influential Scientific Minds	Thomson Reuters
01/2014	2013 Killam Research Prize	University of British Columbia
11/2012	Medal of Merit Award	The International Association of Lions Clubs
05/2012	Distinguished Achievement Award	Faculty of Medicine, University of British Columbia
11/2010	Terry Fox Medal	British Columbia Medical Association
10/2010	Order of British Columbia	Province of British Columbia
06/2010 to 05/2024	UBC Canada Research Chair in Genome Science	Canadian Institutes of Health Research
04/2010	Genome BC Award for Scientific Excellence	LifeSciences British Columbia
09/2009	Fellow	Canadian Academy of Health Sciences
09/2008	Frontiers in Research Award	British Columbia Innovation Council
07/2007	Distinguished Achievement Award (Excellence in Basic Science Research)	Faculty of Medicine, University of British Columbia
06/2007	Fellow	Life Sciences Division of Academy of Science, Royal Society of Canada
04/2007	Merck Frosst Prize	Canadian Society of Biochemistry and Molecular & Cellular Biology
10/2006 to 09/2011	Career Investigator Award (Senior Scholar level)	Michael Smith Foundation for Health Research
07/2006	Faculty Merit Award	Department of Medical Genetics, University of British Columbia
06/2006	President's 40th Anniversary Award	Simon Fraser University
06/2005	Honorary Degree, Doctor of Laws	University of Calgary
05/2005	The Best of the Best of Canada's Top 40 Under 40	The Caldwell Partners International
06/2004	Terry Fox Young Investigator Award	National Cancer Institute of Canada
06/2004	Honorary Degree, Doctor of Science	Simon Fraser University

03/2004	Innovation and Achievement Award (awarded to entire GSC staff)	LifeSciences British Columbia (formerly BC Biotech)
10/2001 to 09/2006	Career Investigator Award (Scholar level)	Michael Smith Foundation for Health Research
09/2001	Top 40 Under 40 Award	Business in Vancouver
07/2000	Notable Canadian 35 and Under	The Globe and Mail
03/2000	Canada's Top 40 Under 40 Award	The Caldwell Partners International
12/1999	Outstanding Alumni Award for Academic Achievement	Simon Fraser University
09/1994	University Graduate Fellowship	Simon Fraser University
12/1993	President's PhD Research Stipend	Simon Fraser University
12/1989	Pre-doctoral Scholarship	Natural Sciences and Engineering Research Council of Canada
12/1989	Special Graduate Research Fellowship	Simon Fraser University

BRIEF BIOSKETCH:

Dr. Marra is the UBC Canada Research Chair in Genome Science, and a member of the Order of British Columbia. He is a recipient of the 2019 Don Rix Lifetime Achievement Award, the 2017 Canadian Cancer Research Alliance's Outstanding Achievements in Cancer Research Award, the 2015 Dr. Chew Wei Memorial Prize in Cancer Research, a 2013 UBC Killam Research Prize, a 2012 UBC Faculty of Medicine Distinguished Achievement Award, and the Medal of Merit Award from the International Association of Lions Clubs. He was elected to the Canadian Academy of Health Sciences in 2009; received the Frontiers in Research Award from the BC Innovation Council in 2008; and was appointed a Fellow of the Royal Society of Canada in 2007. He was a recipient of a Genome BC Award for Scientific Excellence, a MSFHR Career Investigator Senior Scholar Award, and Simon Fraser University President's 40th Anniversary Award. In 2004, he received a Terry Fox Young Investigator Award and BC Biotech's Innovation and Achievement Award (together with the entire GSC staff) for sequencing the SARS coronavirus genome.

Dr. Marra's contributions to genome science led to an honorary Doctor of Science degree from Simon Fraser University in 2004, and an honorary Doctor of Laws degree from the University of Calgary in 2005.

From 2014 to 2018, Dr. Marra was listed in the World's Most Influential Scientific Minds by Thomson Reuters and by Clarivate Analytics. This list recognizes world-class researchers selected for their exceptional research performance, demonstrated by production of multiple highly cited papers that rank in the top 1% by citations for field and year in *Web of Science*.

COMMITTEE INVOLVEMENT:

08/2019 – Present	Member, Precision Health Program Advisory Council, Digital Technology Supercluster
12/2018 – Present	Member, Genetic Services Priorities and Impact Assessment Sub-Committee (PIA-G), BC's Agency for Pathology and Laboratory Medicine, Provincial Health Services Authority
09/2018 – Present	Member, Healthy Aging Chair Search Committee, Faculty of Medicine, University of British Columbia
10/2017 – Present	Member, Search Committee, UBC President's Chair in Precision Oncology, University of British Columbia
09/2017 – Present	Member, Research Executive Committee, BC Cancer Research Centre, BC Cancer
09/2017 – Present	Member, Search Committee for Provincial Medical Genetics Program Medical Director, BC Women's Hospital and Health Centre
06/2017 – Present	Member, BC Cancer Research Strategic Planning Committee, BC Cancer
03/2017 – Present	Member, Health Sector Advisory Council, Genome British Columbia
01/2015 – Present	Member, Medical Genetics Graduate Program Advisory Committee, University of British

	Columbia
01/2015 – Present	Member, Genetics Counselling Program Advisory Committee, University of British Columbia
06/2015 – Present	Member, College of Reviewers, Canadian Institutes of Health Research
11/2014 – Present	Member, Scientific Advisory Board, Foundation for Burkitt Lymphoma Research
01/2011 – Present	Member, Steering Committee, Genome Science and Technology Graduate Program, University of British Columbia
11/2010 – Present	Member, Executive Committee, and BC Node Leader, Terry Fox Research Institute
05/2018 – 09/2018	Member, Biochemistry and Molecular Biology Search Committee, Faculty of Medicine, University of British Columbia
02/2019, 05/2018, 02/2015, 02/2014, 01/2013, 03/2011	Reviewer, The Alvin J. Siteman Cancer Research Fund, Washington University School of Medicine
09/2017	Member, Nomination Committee, Cancer Control Research Department, BC Cancer Research Centre, BC Cancer
01/2017	Reviewer, John R. Evans Leaders Fund, Canada Foundation for Innovation
10/2015 – 12/2017	Member, Genomics England-Genome British Columbia Steering Committee
08/2015 – 11/2016	Member, Health Innovation Strategic Advisory Board, Business Council of British Columbia
07/2015 – 12/2016	Member, Research Seminar Series Committee, BC Cancer Research Centre
11/2015 – 10/2016	Member, Interim Research Operations Committee, BC Cancer Research Centre, BC Cancer Agency
12/2015 – 07/2016	Member, VP Research Search Advisory Committee, BC Cancer Agency
09/2015 – 06/2016	Member, MD Undergraduate Education Committee, University of British Columbia
05/2015 – 06/2016	Member, Dr. Chew Wei Prize Advisory Selection Committee, University of British Columbia
2007 – 06/2016	Member, International Scientific Steering Committee, International Cancer Genome Consortium (ICGC)
02/2015 – 05/2016	Member, Scientific Advisory Board, Cancer Genome Collaboratory Project, Ontario Institute for Cancer Research
11/2014 –12/2015	Member, Genome BC Health Strategy Task Force
12/2014 – 05/2015	Member, Selection Committee, BC Cancer Agency President Search, Provincial Health Services Authority
11/07/2014	Reviewer, KiKA Program Application 181 (Stichting Kinderen Kankervrij' (Foundation Children Cancerfree), The Netherlands
02/2014 – 09/2016	Member, Board of Directors, Michael Smith Foundation for Health Research
01/2013 – 11/2015	Member, BC Cancer Agency Research Advisory Council
02/2013 & 03/2014	Reviewer, The Royal Society
01/2012 – 06/2013	Member, Provincial Health Services Authority Research Advisory Council
09/2012 – 01/2013	Member, Search Committee for New TFL Scientist, Terry Fox Laboratory, BC Cancer Agency
2010 - 11/30/2011	Member, Scientific Program Committee, The Canadian Cancer Research Conference, Toronto, ON
2011	Member, Research Seminar Series Committee, BC Cancer Research Centre
2011	Member, Planning Committee, TCGA 1st Inaugural Scientific Symposium
2009 – 06/2016	Member, TCGA Steering Committee, The Cancer Genome Atlas, National Cancer Institute/National Human Genome Research Institute, National Institutes of Health
2009 – 06/2016	Co-Chair, The Cancer Genome Atlas (TCGA) Lymphoma Disease Working Group, National Cancer Institute, National Institutes of Health
08/2009 – 07/2011	Member, Faculty Awards Committee, University of British Columbia
2009 – 2010	Member, NHGRI Informatics and Analysis Planning Committee, National Institutes of

	Health
2008	Member, Organizing Committee, ICGC, Canadian Cancer Genome Workshop
2008	Member, Genome Canada SIAC 1000 Genomes Working Group
2007 – 2011	Member, Scientific Planning Committee (Genome Analyses), ICGC
2007 – 2009	Member, Scientific Advisory Committee, Joint Genome Institute, US Department of Energy
2007 – 2008	Member, College of Reviewers, Canadian Institutes of Health Research
2007	Member, Scientific Advisory Board, Heflin Center for Human Genetics, The University of Alabama at Birmingham
2006 – 11/2013	Member, Board of Directors, Advances in Genome Biology and Technology Conference, Marco Island, FL
2006 – 2009	Member, Discovery Council, British Columbia Cancer Research Centre, BC Cancer Agency
2006 – 2007	Member, Local Organizing Committee, HUGO's 12th Human Genome Annual Meeting, Montreal, QC
2005 – 2009	Member, Genome Canada Scientific Advisory Board (for vervet monkey physical mapping project)
2005 – 2008	Member, External Advisory Board, National Stem Cell Bank, National Institutes of Health
2005– 2006	Member, Organizing Committee, 7th Annual Advances in Genome Biology and Technology Conference, Marco Island, FL
2005	Member, Genome British Columbia Education Advisory Committee
07/2005	Chair, National Human Genome Research Institute Review Panel ZHGI HGR-P(02) for BAC Library Production RFA, National Institutes of Health
2004 – 2008	Member, Oncology Advisory Council, BC Cancer Agency
2004	Member, Strategic Plan Implementation Council, BC Cancer Agency
2004	Member, Strategic Plan Steering Committee: Leader of Clinical/Functional/Translational Oncology Task Force; Member of Institutes Process Task Force, BC Cancer Agency
2003 – 2006	Member, Genome Research Review Committee, National Human Genome Research Institute (NHGRI), National Institutes of Health
2003 – 2005	Member, Biomedical Research Trainee Evaluation Committee (Junior Graduate Studentship Sub-Committee), Michael Smith Foundation for Health Research
2003	Member, Cancer Control Research Unit, Inaugural Research Unit, Michael Smith Foundation for Health Research
2002 – 2006	Member, Steering Committee, CIHR/MSFHR Bioinformatics Training Program, University of British Columbia
2002 – 2003	Canadian Scientific Representative, NHGRI Internatonal Sequencing Consortium, National Institutes of Health
08/2003	Member, Scientific Committee, 10th World Conference on Lung Cancer, Vancouver, BC
2002 – 2003	Chair, Genome British Columbia, President's Scientific Advisory Committee (PSAC)
2002	Genome Canada Search Committee: Director, Science and Technology platforms
2001 – 2004	Member, Joint Animal Facility Management Committee, BC Cancer Agency
2001	Member, Planning Committee, Genomics in Health and Disease Conference
2000 – 2005	Member, Research Executive, British Columbia Cancer Research Centre, BC Cancer Agency
2000 – 2002	Member, Biotechnology Facilities Planning Committee, University of British Columbia
2000	Co-Chair, Genome British Columbia Genotyping Planning Committee
2000	Chair, Genome British Columbia DNA Sequencing Planning Committee
2000	Member, Program Development Team, Strategy Committee, Genome Canada
1999 – 2003	Member, Genomics Projects Selection Panel, Natural Sciences and Engineering Research Council of Canada
1999 – 2001	Member, Orion Genomics L.L.C. Scientific Advisory Board
1999	Member, Advisory Board, Advances in Genome Biology and Technology Conference, Marco Island, FL
1997 – 2000	Member, Cancer Genome Anatomy Project (CGAP) Steering Committee, National Cancer

	Institute, National Institutes of Health

CONFERENCE PARTICIPATION (as chair / panelist / moderator / organizer)

06/24/2019	Panelist, Personalized Medicine and Oncology Session, 19th Annual International Healthcare Summit, The Future of Personalized Medicine, Genomics and Innovation Kelowna, BC
11/04/2017	Co-Chair, Plenary I: Cancer Biology, TFRI's 8th Annual Scientific Meeting, Vancouver, BC
04/2015 – 07/2016	Member, International Scientific Advisory Committee, 2016 IUBMB Conference, Vancouver, BC
10/2015 – 05/2016	Chair, Scientific Organizing Committee, TFRI's 7th Annual Scientific Meeting, Vancouver, BC
06/2015 – 11/2015	Member, Program Committee, 2015 Canada Gairdner Symposium, Vancouver, BC
12/2011 – 11/2016	Annual Organizer, TFRI BC Node Research Day, Vancouver, BC
11/30/2011	Session Chair, The Optics of 'Omics, The Canadian Cancer Research Conference, Toronto, ON
06/22/2011	Symposium Chair, Keystone Symposia: Changing Landscape of the Cancer Genome, Boston, MA
04/19/2010	Session Chair, High Throughput Genomic and Computational Biology, 3rd Annual Canadian Human Genetics Conference, Montreal, QC
03/14/2009	Industry Panelist, 4th Canadian Student Conference in Biomedical Computing, Vancouver, BC
10/22/2008	Session Chair - Human Genetic Variation, Genome Canada International Conference, Vancouver, BC
10/01/2007	Moderator, Tumor Characterization Technologies Session; International Cancer Genomics Consortium Meeting, Toronto, ON
05/2007	Co-Chair, Large-Scale Genomics Workshop, HUGO's 12th Human Genome Annual Meeting, Montreal, QC
04/13/2007	Chair, Technology Discussion, Genome BC Genomics Forum, Vancouver, BC
11/2006	Member of the Lymphoma Panel Discussion, Knowledge Translation, 2006 BC Cancer Agency Annual Cancer Conference, Vancouver, BC
02/2002	Session Chair, Mammalian Genetics, 3rd Annual Advances in Genome Biology and Technology Conference, Marco Island, FL
11/2002	Scientist Chair, Translating our science into cancer care, Session on Genomics, 2002 BC Cancer Agency Annual Cancer Conference, Vancouver, BC

PUBLIC OUTREACH / SERVICE:

09/20/2019	Hosted the Premier of British Columbia, the Honourable John Horgan's visit to Genome Sciences Centre
03/14/2019	Hosted Honorable Jody Wilson-Raybould's visit to Genome Sciences Centre, following a successful funding provided to Dr. Inanc Birol and team, from Genome Canada.
11/30/2018	Interview with Stuart McNish, Vancouver Sun, *Conversations That Matter: The Legacy of a B.C. Nobel winner*. https://vancouversun.com/news/local-news/conversations-that-matter-the-legacy-of-a-b-c-nobel-winner
09/20/2018	Interview with Randy Shore, Vancouver Sun, *How Michael Smith put B.C.'s life sciences community on the map with a Nobel Prize 25 years ago.* https://vancouversun.com/news/local-news/how-michael-smith-put-b-c-s-life-sciences-community-on-the-map-with-a-nobel-prize-25-years-ago
07/10/2018	Participated in the documentary about Dr. Nadine Caron & Northern Biobank initiative https://www.youtube.com/watch?v=BI6Kc8zPw6c
06/2018	Featured in the *Faces of the Genome* book published by Cold Spring Harbor Laboratory Press. This book celebrates scientists who are explorers of the vast arrays of genes ("genomes") that underpin

	the biology of humans and every other organism. This book portrays 62 outstanding scientists, who have had an extraordinary influence on our current understanding of biology, evolution, and medical science. https://www.cshlpress.com/image.tpl?img=FacesGenome_f.jpg
04/05/2017	The Personalized OncoGenomics Project (POG) featured by Canadian Institutes of Health Research: *Researcher Profiles, Cancer Awareness Month, Is it possible to create personalized cancer treatments?* http://cihr-irsc.gc.ca/e/50284.html#s1
04/04/2017	Participated in a panel discussion at YPO Gold Event (POG Research Update at the BC Cancer Research Centre)
02/23/2017	POG featured on CBC Nature of Things with Dr. David Suzuki, *Cracking Cancer* http://www.cbc.ca/natureofthings/episodes/cracking-cancer
12/07/2016	Interview with Deborah Grainger, Journal of Precision Medicine, *Revolutionizing health care in British Columbia with precision medicine.* http://www.thejournalofprecisionmedicine.com/archive-manager/revolutionizing-healthcare-in-british-columbia-with-precision-medicine/
12/2016	Profiled by BC Cancer, *BC Cancer Agency scientists among World's Most Influential Scientific Minds* http://www.bccancer.bc.ca/about/news-stories/stories/bc-cancer-agency-scientists-listed-among-world%E2%80%99s-most-influential-scientific-minds
11/04/2016	Interview with Theral Timpson of Mendel's Pod on how to scale cancer genomics http://mendelspod.com/podcasts/cancer-genomics-canada-marco-marra-ubc/
09/06/2016	Interview with Matt Hoekstra with Peace Arch News re. Terry Fox Run http://www.peacearchnews.com/news/393311821.html#.V92SSNfGXMY.email
07/19/2016	Member of the Treehouse Childhood Cancer Initiative, a group that advocates and is committed to sharing patient genomic information in real time, to benefit children with cancer.
03/08/2016, 05/26/2015, & 11/03/2014	Organizer of the 2nd, 3rd, & 4th TFRI BC Node-MLA Dinner Events to dialogue with MLAs on the role of research on health and cancer control in British Columbia
04/15/2015	Interview with Brendan McAleer, Vancouver Sun, *Iconic Terry Fox van endures long after marathon of hope.* http://driving.ca/ford/auto-news/news/iconic-terry-fox-van-endures-long-after-marathon-of-hope
11/07/2014	Panelist at the Second Annual BC Business Summit "Building BC for the 21st Century - Innovation in Infrastructure"
11/03/2014	Interview with Sher-e-Punjab Radio with Kiran Aulakh re.POG
10/02/2014	Interview with Tamara Taggart of CTV re. POG
07/09/2014	Interview with Amanda Smith, The Peak, *SFU scientists recognized as "World's Most Influential Scientific Minds".* http://newspapers.lib.sfu.ca/peak-2091/peak
06/23/2014 & 05/01/2014	Participated in the planning exercise being conducted by research partnership between Northern Health, UNBC, and PHSA to enhance the way health research contributes to better health care and better health outcomes in Northern BC.
06/20/2014	Interview with Ivan Semeniuk, Globe and Mail, *World's Most Influential Scientific Minds*
06/18/2014	Meeting with Minister Andrew Wilkinson and Deputy Minister John Jacobson of the Ministry of Technology, Innovation and Citizens' Services, Province of British Columbia.
04/22/2014	Iinterview with Randy Shore, Vancouver Sun, *Tumour cell genome studies give rise to individualized therapy.* http://www.vancouversun.com/health/tumour+cell+genome+studies+give+rise+individualized+therapy/9802620/story.html
03/31/2014	Participated in Genome BC's Lunch and Learn Event for BC Legislature Members
12/05/2013	Panelist, Data and Discovery: How Technology and Analytics Are Driving Innovation session, The Data Effect.
11/2013	Profiled in International Innovation Magazine, *Dr. Marco Marra, Director of Canada's Michael Smith Genome Sciences Centre* (North America issue; Nov 2013).

	http://www.research-europe.com/index.php/2013/11/dr-marco-marra-director-canadas-michael-smith-genome-sciences-centre/
10/24/2013	Profiled in Vancouver Sun, Special Report: *Medical research is injecting life back into health sciences* (topic: personalized medicine; Nov 2, 2013).
10/2013	Profiled in National Cancer Institute's Office of Cancer Genomics, *Dr. Marco Marra: Pioneer and Visionary in Cancer Genomics Research.* https://ocg.cancer.gov/news-publications/e-newsletter-issue/issue-10
03/13/2013	Interview for the Guide Outfitters Association of British Columbia's DNA project.
02/21/2013	Interview with CBC Radio Early Edition, *10th Anniversary of SARS* (aired on Mar 7th, 2013).
02/05/2013	Invited attendee at the Genome BC meeting with Minister of Health, Dr. Margaret MacDiarmid.
12/04/2012	Provided testimony and took questions from the House of Commons Standing Committee on Health (Topic: A study of technological innovation, including best practices, in health care in Canada. Sub-topic: Genomics).
07/25/2012	Interviews for CKWX News 1130 and Vancouver Sun re. medulloblastoma article published in *Nature*.
09/2009	Participated in BC's Ministry of Small Business, Technology & Development's Research and Innovation Roundtable Discussion.
03/2009	Featured in *Nature*'s article about personalized genomics/medicine.
11/2006	Participated in Genome Canada's Genomics on the Hill Exhibition, Parliament Hill, Ottawa.
09/2006	Participated in the Premier's Technology Council Roundtable that discussed how British Columbia can realize the optimum economic and social benefit of technology commercialization.
08/14/2006	Interview with CBC Radio French Program re. Bovine genome press release.
05/2006	On the air telephone interview with CBC Radio's On the Coast with Priya Ramu re. potential patient benefits of the Science & Technology Platform funding from Industry Canada.
02/2004	Featured in Vancouver Sun, *People who give us hope for the world* (Feb 5, 2004 issue)
2003–2004	Profiled in The GEEE! In GENOME Exhibit, as one of 20 Canadian experts.

EDITORIAL RESPONSIBILITIES:

2004 – 2009	Member, Editorial Committee, ***Annual Review of Genomics and Human Genetics***
2000 – 2003	Associate Editor, Editorial Board, ***Physiological Genomics***
1999 – 2005	Member, Editorial Board, ***Genome Research***

SOCIETY MEMBERSHIPS:

2015 - Present	Canadian Hematology Society
2006 – Present	American Society of Hematology
2005 – Present	The American Society of Human Genetics
2005 – Present	American Association for Cancer Research
2004 – Present	The American Association for the Advancement of Science
2008 – 2009	Human Genome Variation Society

CLASSROOM LECTURES:

Dates (Year/Session)	Institution /Course Number-Name	Hours Taught	Class Size
11/06/2019	MEDG420 (Human Genomics & Medical Genetics)	1.5	22
01/24/2019 & 01/31/2019	GSAT 502 (Advanced Concepts in Genome Science and Technology)	3.0	7
11/07/2018	MEDG420 (Human Genomics & Medical Genetics)	1.5	16
03/16/2018	MEDG505 (Genome Analysis) University of British Columbia	3.0	12
03/01/2018 & 03/08/2018	GSAT 502 (Advanced Concepts in Genome Science and Technology)	2.5	14

	University of British Columbia		
10/23/2017	MEDG420 (Human Genomics & Medical Genetics)	1.5	12
03/02/2017 & 03/09/2017	GSAT 502 (Advanced Concepts in Genome Science and Technology) University of British Columbia	2.5	10
02/03/2017	MEDG505 (Genome Analysis)	3.0	18
11/09/2016	MEDG420 (Human Genomics & Medical Genetics)	1.5	12
02/25/2016 & 03/03/2016 (2016 Spring)	GSAT 502 (Advanced Concepts in Genome Science and Technology) University of British Columbia	2.5	10
01/29/2016 (2016 Spring)	MEDG505 (Genome Analysis) University of British Columbia	3.0	14
12/02/2015	MBB 801 interview (featured faculty for this seminar course focused on career development) Simon Fraser University	1.0	9
11/04/2015 (2015 Fall)	MEDG420 (Human Genomics & Medical Genetics) University of British Columbia	1.5	18
03/27/2015 (2015 Spring)	MEDG505 (Genome Analysis) University of British Columbia	3.0	12
03/26/2015 & 04/02/2015 (2015 Spring)	GSAT 502(Advanced Concepts in Genome Science and Technology) University of British Columbia	3.0	11
11/05/2014 (2014 Fall)	MEDG420 (Human Genomics & Medical Genetics) University of British Columbia	1.5	16
03/27/2014 & 04/03/2014 (2013 Winter)	GSAT 502 (Advanced Concepts in Genome Science and Technology) University of British Columbia	3.0	14
01/31/2014 (2013 Winter)	MEDG505 (Genome Analysis) University of British Columbia	3.0	19
10/30/2013 (2013 Winter)	MEDG420 (Human Genomics & Medical Genetics) University of British Columbia	1.5	14
03/21 & 03/28/2013 (2012 Winter)	GSAT 502 (Advanced Concepts in Genome Science and Technology) University of British Columbia	3.0	18
03/08/2013 (2012 Winter)	MEDG505 (Genome Analysis) University of British Columbia	3.0	18
10/03/2012 (2012 Winter)	MEDG420 (Human Genomics & Medical Genetics) University of British Columbia	1.5	18
03/30/2012	MBB446/746 (Cancer Genetics and Cell Death/Survival) Simon Fraser University	2.0	50
03/20/2012 (2011 Winter)	GSAT502 (Advanced Concepts in Genome Science and Technology) University of British Columbia	2.5	15
01/27/2012 (2011 Winter)	MEDG505 (Genome Analysis)	3.0	21
01/25/2012 (2011 Winter)	MEDG420 (Human Genomics & Medical Genetics)	1.0	17
03/21/2011 (2010 Winter)	GSAT502 (Advanced Concepts in Genome Science and Technology) University of British Columbia	2.5	6
03/04/2011 2010 Winter)	MEDG505 (Genome Analysis) University of British Columbia	3.0	19

02/28/2011 (2010 Winter)	MEDG420 (Human Biochemical & Molecular Genetics) University of British Columbia	2.0	16
03/25/2010 (2009 Winter)	Science One University of British Columbia	1.0	63
03/12/2010 (2009 Winter)	MEDG505 (Genome Analysis) University of British Columbia	3.0	22
02/10/2010 (2009 Winter)	MEDG420 (Human Biochemical & Molecular Genetics) University of British Columbia	2.0	14
12/07/2009 & 11/30/2009 (2009 Winter)	GENE 502 (Genetics) University of British Columbia	1.5	10
04/02/2009 (2008 Winter)	MEDG 421 (Genetics & Cell Biology of Cancer) University of British Columbia	1.5	32
03/23/2009 (2008 Winter)	MEDG 420 (Human Biochemical & Molecular Genetics) University of British Columbia	1.5	18
02/26/2009 (2008 Winter)	Science One University of British Columbia	1.0	73
02/13/2009 (2008 Winter)	MEDG 505 (Genome Analysis) University of British Columbia	3.0	21
11/13/2008	MBB440/839 (Special Topics in Molecular Biology & Biochemistry – Cell Death & Cell Survival) Simon Fraser University	2.0	35
04/10/2008 (2007 Winter)	Science One (Title: Personal Genomics) University of British Columbia	1.0	73
03/26/2008 (2007 Winter)	MEDG 420 (Human Biochemical & Molecular Genetics) University of British Columbia	1.0	16
02/01/2008 (2007 Winter)	MEDG 505 (Genome Analysis) University of British Columbia	3.0	17
03/23/2007 (2006 Winter)	MEDG 505 (Genome Analysis) University of British Columbia	3.0	18
03/12/2007 (2006 Winter)	MEDG 521 (Molecular & Cell Biology of Cancer) University of British Columbia	1.5	24
01/17/2007 (2006 Winter)	MEDG 420 (Human Biochemical & Molecular Genetics University of British Columbia	2.0	22
03/16/2006 (2005 Winter)	MEDG 505 (Genome Analysis) University of British Columbia	3.0	24
03/06/2006 (2005 Winter)	MEDG 521 (Molecular & Cell Biology of Cancer) University of British Columbia	1.5	20
01/09/2006 (2005 Winter)	MEDG 420 (Human Biochemical & Molecular Genetics) University of British Columbia	2.0	20
02/2005 (2004 Winter)	MEDG 505 (Genome Analysis) University of British Columbia	3.0	20
01/2005 (2004 Winter)	MEDG 420 (Human Biochemical & Molecular Genetics) University of British Columbia	4.0	20
02/26/2004 (2003 Winter)	ISCI 4481 (Medical Innovation & Healthcare Politics) University of British Columbia	2.0	-
2003	MEDG 505 (Genome Analysis) University of British Columbia	3.0	-
2002	MEDG 505 (Genome Analysis) University of British Columbia	3.0	-
03/30/2000	GENE 502 (Genetics)	1.5	16

(1999 Winter)	University of British Columbia		
1992	Biology 302 and Biology 401 (Biochemistry) Simon Fraser University	-	-
1990	Biology 302 (Genetic Analysis) Simon Fraser University	-	-
1988	Biology 302 (Genetic Analysis) Simon Fraser University	-	-

CONTRIBUTIONS TO THE TRAINING OF HIGHLY QUALIFIED PERSONNEL:

Rotation Students

From	To	Student	Role	Program
03/07/2016	05/06/2016	Emma Titmuss	Rotation supervisor	MSc (Genome Science and Technology Program), UBC
01/05/2015	04/30/2015	James Topham	Rotation supervisor	MSc (CIHR Bioinformatics Program), UBC
09/01/2013	07/31/2014	Rebecca Johnson	Temporary supervisor	MSc (CIHR Bioinformatics Program), UBC
03/04/2013	05/03/2013	Adi Steif	Rotation supervisor	MSc (Genome Science and Technology), UBC
03/2012	05/2012	Marlo Firme	Rotation supervisor	MSc (Genome Science and Technology), UBC
03/2012	05/2012	Tejomayee Singh	Rotation supervisor	MSc (Genome Science and Technology), UBC
01/2011	04/2011	Emilia Lim	Rotation supervisor	Rotation Student (CIHR Bioinformatics Program), UBC
09/2009	08/2010	Yaojie Chen	Rotation supervisor	MSc (CIHR Bioinformatics Program), UBC
05/2009	08/2009	Rodrigo Goya	Rotation supervisor	Rotation Student (CIHR Bioinformatics Program), UBC
01/2009	04/2009	Bora Uyar	Rotation supervisor	Rotation Student (CIHR Bioinformatics Program), SFU
10/2009	12/2010	Mark Okada	Rotation supervisor	Rotation Student (CIHR Bioinformatics Program), SFU
09/2008	12/2008	Andrew McPherson	Rotation supervisor	Rotation Student (CIHR Bioinformatics Program), SFU
09/2007	12/2006	Olena Morozova	Rotation supervisor	Rotation Supervisor (CIHR Bioinformatics Program), UBC
01/2006	04/2006	Ryan Morin	Rotation supervisor	Rotation Supervisor (CIHR Bioinformatics Program), UBC

Graduate Students

Years	Name	Degree
01/02/2019 – Present	Yuka Takemon **Research title**: Discovering vulnerabilities of CIC-mutated cancers through genome-scale viability screens	PhD (Genome Science and Technology Program)
02/13/2018 – Present	Vanessa Porter **Research title**: The role of KMT2D in enhancer	PhD (Medical Genetics)

	remodelling during germinal centre B cell differentiation	
10/03/2016 – Present	Su min (Lisa) Wei **Research title**: Characterizing mechanisms of treatment resistance in cancer	PhD (Bioinformatics Graduate Program)
09/06/2016 – Present	Stephen Dongsoo Lee **Research title:** A Functional Interaction Network for CIC	MSc (Genome Science & Technology Program)
09/02/2014 – Present	Veronique LeBlanc **Research title**: CIC mutations	PhD (Genome Science & Technology Program
09/01/2012 – Present	Hye-Jung (Elizabeth) Chun **Research title**: Comprehensive molecular characterization of renal rhabdoid tumours	PhD (Bioinformatics Graduate Program)
09/06/2016 – 04/06/2018 (Withdrawn)	Anna Cavalla **Research title:** Characterizing Cancer Transcriptomes at the Single Cell Level	MSc (Bioinformatics Graduate Program)
05/09/2016 – 07/13/2018	Emma Titmuss **Thesis title:** A case study of apparent immune activation following treatment of a colorectal cancer patient with an angiotensin receptor blocker **Current position**: Research Programmer, Genome Sciences Centre, BC Cancer	MSc (Genome Science and Technology Program)
09/2009 – 12/2017	Rodrigo Goya *(co-supervised with Dr. Irmtraud Meyer)* **Thesis title:** Bioinformatic Approaches for Identifying Single Nucleotide Variants and Profiling Alternative Expression in Cancer Transcriptomes **Current position**: Bioinformatics Engineer, AbCellera	PhD (Bioinformatics Graduate Program)
09/2015 – 08/2017	James Topham **Thesis title:** Comprehensive and Integrative Analysis of the KMT2D Regulome **Current position**: Research Assistant, BC Cancer Agency	MSc (Bioinformatics Graduate Program)
05/2012 – 12/2014	Marlo Firme **Thesis title**: The Regulatory Landscape of the Glioma-associated Transcription Factor Capicua. **Current position**: Vancouver lead for the Citizens' Climate Lobby (volunteer work)	MSc (Genome Science & Technology Program)
09/2011 – 03/31/2016	Emilia Lim **Thesis title**: miRNA Sequence Analysis Reveals Cancer Subtypes That Correlate With Tumour Characteristics and Patient Outcomes **Current position**: Postdoctoral Fellow, The Francis Crick Institute, London, UK	PhD (Bioinformatics Graduate Program)
09/2011 – 04/30/2015	Ryan Huff **Thesis title**: Generation and Characterization of a Lysine	MSc (Medical Genetics Program)

	(K)-Specific Methyltranferase 2D Knockout Human Cell Line **Current position:** Research Assistant, Vancouver Coastal Health Research Institute	
09/2010 – 06/26/2015	Julia Pon **Thesis title**: The MEF2B Regulatory Network **Current position**: Resident, Anatomical Pathology, University of British Columbia (http://www.med.ubc.ca/from-medicine-to-research-and-back/)	MD/ PhD Program
09/2008 – 01/2012	Ryan Morin **Thesis title**: Mutation Discovery and Characterization in Lymphoid Neoplasms using Massively Parallel RNA and DNA Sequencing **Current position**: Associate Professor, Molecular Biology and Biochemistry, Simon Fraser University	PhD (Bioinformatics Graduate Program)
09/2006 – 06/2012	Olena Morozova **Thesis title**: Genomic studies of the normal and malignant neural crest **Current position:** Assistant Professor, Molecular, Cell, & Development Biology, University of California, Santa Cruz	PhD (Bioinformatics Graduate Program)
09/2005 – 12/2007	Jaswinder Khattra **Thesis title**: Cloning and annotation of novel transcripts from human ES cells **Current position**: Postdoctoral Fellow, Contextual Genomics	MSc (Genetics Graduate Program)
09/2005 – 10/2007	Ryan Morin **Thesis title**: Methods for microRNA profiling and discovery using massively parallel sequencing **Current position**: Associate Professor, Molecular Biology and Biochemistry, Simon Fraser University	MSc (Bioinformatics Graduate Program)
09/2004 – 12/2010	Sorana Morrissy (formerly Anca Petrescu) **Thesis title**: Bioinformatic Analysis of Cis-Encoded Antisense Transcription **Current position**: Assistant Professor, Biochemistry and Molecular Biology, University of Calgary	PhD (Genetics Graduate Program)
09/2004 – 01/2010	Malachi Griffith **Thesis title**: Methods for transcript variant discovery and alternative expression analysis – application to the study of fluorouracil resistance in colorectal cancer **Current position:** Assistant Director, The Genome Institute, Washington University School of Medicine, St. Louis, MO	PhD (Medical Genetics Graduate Program)

09/2004 – 12/2009	Trevor Pugh **Thesis title**: Analysis of primary human cancers: from single genes to whole transcriptomes **Current position**: Scientist, Princess Margaret Cancer Centre; and Assistant Professor, University of Toronto	PhD (Medical Genetics Graduate Program)
09/2003 – 07/2012	Noushin Farnoud **Thesis title**: Computational Tools for CNV Detection Using Probe-level Analysis of Affymetrix SNP Arrays - Application to the Study of CNVs in Follicular Lymphoma **Current position:** Postdoctoral Fellow, Memorial Sloan-Kettering Cancer Center	PhD (Genetics Graduate Program)
09/2003 – 08/2008	Ying-Chen (Claire) Hou *(co-supervised with Dr. Sharon Gorski)* **Thesis title**: Molecular mechanisms underlying the crosstalk between autophagy and apoptosis **Current position**: Clinical Science Liaison, Human Longevity, Inc., San Diego, CA	PhD (Genetics Graduate Program)
01/2002 – 05/2008	Suganthi Chittaranjan *(co-supervised with Dr. Sharon Gorski)* **Thesis title**: A functional genomics approach identifies novel genes involved in steroid hormone-induced programmed cell death in *Drosophila*. **Current position**: Staff Scientist, Genome Sciences Centre, BC Cancer	PhD (Genetics Graduate Program)
09/2001 – 07/2008	Ian Bosdet *(co-supervised with Dr. Sharon Gorski)* **Thesis title**: Identification of echinus and characterization of its role in Drosophila eye development **Current position:** Clinical Assistant Professor, UBC; Molecular Geneticist, BC Cancer	PhD (Genetics Graduate Program)
09/2001 – 12/2005	Angelique Schnerch *(co-supervised with Dr. Steven Jones*) **Thesis title**: Analysis of Undifferentiated Human Embryonic Stem Cell Lines using Serial Analysis of Gene Expression	MSc (Medical Genetics Graduate Program)

Postdoctoral Fellows

Years	Name	Area
10/31/2016 – Present	Dan Jin	Rhabdoid tumours
12/02/2013 – 11/27/2018	Alessia Gagliardi **Current position**: Staff Scientist, Genome Sciences Centre, BC Cancer	MLL2 functional genomics
04/01/2016 – 03/31/2017	Emilia Lim **Current position**: Postdoctoral Fellow, The Francis Crick Institute, London, UK	Comprehensive Sequence Analysis of Pediatric Acute Myeloid Leukemia

02/11/2014 – 02/10/2017	Isabel Serrano-Martinez **Current position**: Research Coordinator, Radiation Oncology Research Program, BC Cancer	FOXO1 mutations are associated with inferior survival in DLBCL
07/2012 – 02/28/2013	Noushin Farnoud **Current position:** Senior Bioinformatics Engineer II, Memorial Sloan-Kettering Cancer Center	Software development for copy number analysis
01/2012 – 07/2012	Ryan Morin **Research title:** Genomic characterization of Diffuse Large B Cell Lymphoma patients and cell lines **Current position**: Associate Professor, Molecular Biology and Biochemistry, Simon Fraser University	Diffuse large B-cell lymphoma
11/2011 – 03/31/2016	Farah Zahir **Research title**: Massively Parallel Genomic Sequencing for Clinical Identification of Mutations That Cause Intellectual Disability (co-supervised with Jan Friedman) **Current position**: Honorary Associate Member, Department of Medical Genetics, University of British Columbia	Intellectual disability
01/2011 – 09/2011	Sorana Morrissy **Research title**: Bioinformatic analysis of the relationship between natural antisense transcription and alternative splicing in cancer **Current position**: Assistant Professor, Biochemistry and Molecular Biology, University of Calgary	Antisense transcription and alternative splicing
03/2010 – 02/2011	Malachi Griffith **Research title**: Alternative transcript diversity in models of cancer progression **Current position:** Assistant Director, The Genome Institute, Washington University School of Medicine, St. Louis, MO	Alternative splicing
09/2009 – 10/30/2015	Jill Mwenifumbo **Research title**: The evolution of 5-FU drug resistance in colorectal cancer **Current position**: Bioinformatician, CAUSES Research Clinic, BC Children's Hospital Research Institute	Colorectal cancer
09/2009 – 09/30/2012	Maria Mendez-Lago **Research title**: Functional characterization of EZH2 mutations **Current position**: Head of Genomics, Core	Follicular lymphoma

	Facilities and Technology, Institute of Molecular Biology, Mainz, Germany	
01/2009 – 02/2010	Ian Bosdet **Research title:** Genome analysis of pre- and post-treatment lung cancers from patients in a phase II clinical trial of first-line erlotinib **Current position:** Clinical Assistant Professor, Department of Pathology and Laboratory Medicine, UBC; Clinical Scientist, BC Cancer	Lung Cancer
05/2004 – 03/2006	Sean Rogers **Research title**: Gene expression of hESC	Gene Expression
12/2003 – 03/2006	Deryck Persaud **Research title**: Cloning & characterization of novel hESC genes **Current position:** Owner, Infogenetica Bioinformatics, and Biotechnology Consultant	DNA Mapping
02/2000 – 10/2003	Gregory Vatcher **Current position:** Senior Scientist, Gene.AC, Beijing, China	Functional Genomics

TRAINEE SCHOLARSHIPS & FELLOWSHIPS:

Year(s)	Trainee	Award Name	Awarding Agency	$ (Cdn)
09/01/2019 - 08/31/2023	**Yuka Takemon**	Four-Year Doctoral Fellowship	UBC	$18,200 + full tuition
08/29/2019	**Yuka Takemon**	Four-Year Doctoral Fellowship (2019W session)	UBC	$12,133.34
08/29/2019	**Yuka Takemon**	Four-Year Fellowship Tuition Award (2019W session)	UBC	$3,717.82.
08/02/2019	**Yuka Takemon**	International Tuition Award (2019W session)	UBC	$2,133.34
09/01/2019 - 08/31/2010	**Su min (Lisa) Wei**	BC Graduate Scholarship	UBC	15,000
05/06/2019	**Yuka Takemon**	Faculty of Science Graduate Award (2019S session)	UBC	1,858.92
05/06/2019	**Yuka Takemon**	International Tuition Award (2019S session)	UBC	1,066.66
01/03/2019	**Yuka Takemon**	International Tuition Award (2018W session)	UBC	1,066.67
01/02/2019	**Yuka Takemon**	Faculty of Science Graduate Award (2018W session)	UBC	1,801.56
04/2018 – 08/2018	**Ishika Luthra**	BC Cancer Studentship	BC Cancer	6,000
01/2018 - 03/2020	**Vanessa Porter**	Frederick Banting and Charles Best Canada Graduate Scholarships (Doctoral Award)	CIHR	90,000 + 15 R&T
11//2016 –	**Hye-Jung (Elizabeth)**	Roman M. Babicki Fellowship in	UBC	25,000

05//2017	**Chun**	Medical Research		
09/2016 – 08/2018	**Veronique LeBlanc**	Killam Doctoral Scholarship	UBC	50,000 + 2,000 R&T
05/01/2016 – 04/30/2019	**Veronique LeBlanc**	Vanier Canada Graduate Scholarship	CIHR	50,000/yr
95/2016 – 08/2019	**Veronique LeBlanc**	Four-Year Fellowship	UBC	
09/01/2015 – 04/30/2016	**Emilia Lim**	PhD Student Fellowship	UBC	12,133.34
05/01/2015 – 04/30/2016	**Veronique LeBlanc**	Canada Graduate Scholarship (Master's Award)	CIHR	17,500
09/2014 – 08/2015	**Veronique LeBlanc**	Faculty of Science Graduate Award	UBC	4,555
09/01/2012 – 08/31/2013	**Ryan Huff**	Frederick Banting and Charles Best Canada Graduate Scholarship (Master's Award)	CIHR	17,500
09/01/2012 – 08/31/2013	**Farah Zahir**	Bluma Tischler Postdoctoral Fellowship	UBC	20,400
09/01/2012 – 08/31/2015	**Emilia Lim**	Frederick Banting and Charles Best Canada Graduate Scholarship (Doctoral Award)	CIHR	35,000/yr
07/01/2012 – 06/30/2015	**Farah Zahir**	Postdoctoral Fellowship	CIHR	40,000/yr
05/01/2012 – 04/30/2015	**Julia Pon**	Vanier Canada Graduate Scholarship	CIHR	50,000/yr
05/01/2012 – 08/31/2012	**Daisy Ji**	BC Cancer Studentship	BCCF/CBCF	6,000
09/03/2011 – 04/30/2012	**Olena Morozova**	Roman M Babicki Fellowship in Medical Research	UBC	20,000
09/01/2011 – 08/31/2013	**Maria Mendez-Lago**	Postdoctoral Fellowship	MSFHR	35,000/yr + 4,000 R&T
09/01/2011 – 08/31/2014	**Rodrigo Goya**	Vanier Canada Graduate Scholarship	CIHR	50,000/yr
09/01/2011 – 08/31/2014	**Jill Mwenifumbo**	Postdoctoral Fellowship	MSFHR	58,334 + 5,333 R&T
08/01/2011 – 07/31/2013	**Farah Zahir**	NeuroDevNet Postdoctoral Fellowship	NeuroDevNet	20,000/yr + 2,500 R&T
408/01/2011 – 08/31/2012	**Maria Mendez-Lago**	Estancias de movilidad posdoctoral en centros extranjeros del Programa Nacional de Movilidad de Recursos Humanos de Investigación	Ministerio de Educacion de España	30.960 Euro/yr
05/01/2011 – 04/30/2013	**Jill Mwenifumbo**	Postdoctoral Fellowship	CIHR	45,000/yr
05/2011 – 06/2011	**Pierre Cheung**	BC Cancer Studentship	BCCF/CBCF	6,000
09/01-2010 – 08/31/2016	**Julia Pon**	Scriver Family MD/PhD Studentship Award	CIHR	14,667/yr
09/01/2009 – 08/31/2013	**Ryan Morin**	Doctoral Fellowship	UBC	80,000
10/2009 –	**Ryan Morin**	Senior Graduate Studentship	MSFHR	14,000

09/2011				
07/2009	**Pierre Cheung**	BC Clinical Genomics Network Studentship	BCCGN	3,750
05/01/2009 – 04/30/2012	**Ryan Morin**	Vanier Canada Graduate Scholarship	CIHR	50,000/yr
04/2009 – 08/2009	**Alison Lee**	BC Cancer Studentship	BCCF	5,400
09/01/2008 – 03/31/2011	**Olena Morozova**	Alexander Graham Bell Canada Postgraduate Scholarship - Doctoral	NSERC	105,000
09/01/2008 – 08/31/2010	**Olena Morozova**	Junior Graduate Studentship	MSFHR	19,000
09/01/2008 – 08/31/2010	**Malachi Griffith**	Research Studentship	NCIC	45,000 + 3,000 R&T
05/01/2008 – 04/30/2010	**Jaswinder Khattra**	Senior Graduate Studentship	MSFHR	38,250
09/01/2007 – 08/31/2008	**Olena Morozova**	Julie Payette Postgraduate Scholarship – Master's	NSERC	25,000
05/01/2007 – 04/30/2010	**Trevor Pugh**	Senior Graduate Studentship	MSFHR	67,500
56 04/01/2007 – 10/31/2007	**Ryan Morin**	Junior Graduate Studentship	MSFHR	22,500
09/01/2006 – 08/31/2009	**Malachi Griffith**	Senior Graduate Studentship	MSFHR	21,000 + 6,000 R&T
09/01/2006 – 08/31/2009	**Sorana Morrissy**	Doctoral Research Award	CIHR	105,000
09/01/2006 – 03/31/2007	**Trevor Pugh**	University Graduate Fellowship	UBC	16,000
01/012006 – 01/01/2009	**Trevor Pugh**	PhD Tuition Award	UBC	11,358
2006	**Trevor Pugh**	IG Grants for Short-Term Competition	CIHR	5,800
10/01/2005 – 10/01/2006	**Trevor Pugh**	Lung Cancer Research Fellowship	Eli Lilly Canada (BCCA)	37,000
09/01/2005 – 08/31/2006	**Sorana Morrissy**	Graduate Scholarship - Master's	CIHR	17,500
04/01/2005 – 05/31/2007	**Sorana Morrissy**	Junior Graduate Studentship	MSHFR	25,458
09/01/2004 – 08/31/2008	**Malachi Griffith**	Postgraduate Scholarship - Doctoral	NSERC	80,300
09/01/2004 – 08/31/2008	**Malachi Griffith**	PhD Tuition Award	UBC	12,800
09/01/2004 – 08/31/2006	**Malachi Griffith**	Junior Graduate Studentship	MSFHR	50,000
09/01/2004 – 08/31/2005	**Malachi Griffith**	Graduate Entrance Scholarship	UBC	3,170
05/01/2004 – 04/30/2005	**Suganthi Chittaranjan**	Senior Graduate Studentship	MSFHR	2,500
09/01/2003 – 08/31/2005	**Malachi Griffith**	Postgraduate Scholarship - Master's	NSERC	17,300/yr
04/01/2002 –	**Gregory Vatcher**	Postdoctoral Fellowship	MSFHR	39,000

03/31/2004				
2000 - 2002	**Gregory Vatcher**	Postdoctoral Fellowship	NSERC	35,000/yr

TRAINEE AWARDS:

05/06/2019	**Yuka Takemon**	Faculty of Science Graduate Award (2019S session)	UBC	1,858.92
05/06/2019	**Yuka Takemon**	International Tuition Award (2019S session)	UBC	1,066.66
01/03/2019	**Yuka Takemon**	International Tuition Award (2018W session)	UBC	1,066.67
01/02/2019	**Yuka Takemon**	Faculty of Science Graduate Award (2018W session)	UBC	1,801.56
03/2018	**Hye-Jung (Elizabeth) Chun**	TCG Trainee Collaboration and Travel Award (International Rhabdoid Tumour Meeting)	University of British Columbia	1,565
09/2017	**Su min (Lisa) Wei**	TCG Travel Award (ASH Annual Meeting)	University of British Columbia	2,250
09/2017	**Hye-Jung (Elizabeth) Chun**	CEEHRC Travel Award (4th Canadian Conference on Epigenetics)	Canadian Epigenetics, Environment and Health Research Consortium Network	500
06/2017	**Su min (Lisa) Wei**	Travel Award (Pathway and Network Analysis of -Omics Data Workshop)	Canadian Bioinformatics Workshop	1,300
03/2017	**Hye-Jung (Elizabeth) Chun**	Travel Award (2nd European Cancer Epigenetics Conference in Heidelberg, Germany)	UBC Faculty of Medicine	1,000
03/15/2017	**Hye-Jung (Elizabeth) Chun**	CEEHRC Travel Award (2nd European Cancer Epigenetics Conference in Heidelberg, Germany)	Canadian Epigenetics, Environment and Health Research Consortium Network	1,000
2/22/2017	**Hye-Jung (Elizabeth) Chun**	Faculty of Science Graduate Award	UBC	500
07/28/2015	**Hye-Jung (Elizabeth) Chun**	Travel Award (CSHL meeting on Epigenetics & Chromatin)	Canadian Cancer Society Research Institute	2,000
05/16/2015	**James Topham**	GSC Graduate Student Travel Award (for the ISMB 2016 Meeting)	John Bosdet Memorial Fund (BCCF)	1,500
11/17/2015	**Emilia Lim**	Travel Award	American Society of Hematology	500
09/01/2015 – 04/30/2016	**Hye-Jung (Elizabeth) Chun**	Faculty of Science Graduate Award	UBC	3,236.22
07/2015	**Hye-Jung (Elizabeth) Chun**	Travel Award (Canadian Cancer Research Conference)	CCSRI	2,000

		Note: Declined by trainee due to personal reason)		
05/2015	**Alessia Gagliardi**	Director's Fund Award (CSHL Symposium "21st Century Genetics: Genes at Work")	CSHL	1,000 USD
08/31/2014 – 04/30/2015	**Hye-Jung (Elizabeth) Chun**	Faculty of Science Graduate Award	UBC	3,407.28
05/2014	**Emilia Lim**	Travel Award (Terry Fox 5th Annual Scientific Meeting)	TFRI	900
04/2014	**Hye-Jung (Elizabeth) Chun**	Graduate Student Travel Award (AACR Annual Meeting)	John Bosdet Memorial Fund (BCCF)	1,500
04/2014	**Hye-Jung (Elizabeth) Chun**	AACR Annual Meeting Travel Award	CCSRI	2,000
11/2013	**Emilia Lim**	CIHR-ICR Travel Award (for the 2013 Canadian Cancer Research Conference)	CIHR Institute of Cancer Research	1,000
11/2013	**Marlo Firme**	Graduate Student Travel Award (for the 2013 Canadian Cancer Research Conference)	John Bosdet Memorial Fund (BCCF)	1,456
11/2013	**Julia Pon**	Graduate Student Travel Award (for the 2013 Canadian Cancer Research Conference)	John Bosdet Memorial Fund (BCCF)	1,290
09/01/2012 – 01/31/2013	**Hye-Jung (Elizabeth) Chun**	College for Interdisciplinary Studies Graduate Award	UBC	2,773
02/2012	**Jill Mwenifumbo**	Graduate Student Travel Award (for the Advances in Genome Biology and Technology Meeting)	John Bosdet Memorial Fund (BCCF)	2,340 USD
05/01/2011	**Emilia Lim**	Canadian Bioinformatics Workshop Registration Award	OICR	500
05/01/2011	**Jill Mwenifumbo**	Canadian Bioinformatics Workshop Registration Award	OICR	500
12/2010	**Maria Mendez-Lago**	Travel Award	American Society of Hematology	500
04/02/2009	**Trevor Pugh**	Travel Award	UBC	400
2006	**Malachi Griffith**	Travel Award for the Canadian Student Health Research Forum	CIHR	250
2004 & 2005	**Suganthi Chittaranjan**	Graduate Student Travel Awards	John Bosdet Memorial Fund (BCCF)	2,200/yr

TRAINEE RECOGNITIONS:

11/09/2018	**Vanessa Porter**	First Place, Poster Award, Medical Genetics Research Day	UBC	
06/11/2018	**Veronique LeBlanc**	Second Place, Rapid Fire Talks, 2018 BC Cancer Research Day	BC Cancer	75
05/12/2018	**Veronique LeBlanc**	2018 Young Investigator Award in Basic/Translational Research	18th Biennial Canadian Neuro-Oncology Meeting	1,500
03/09/2018	**Veronique LeBlanc**	Third Place, Poster Prize, B.I.G.	UBC	50

		Research Day		
03/09/2018	**Hye-Jung (Elizabeth) Chun**	First Place, Poster Prize and Lightning Talk Award, B.I.G. Research Day	UBC	300
04/23/2016	**Emilia Lim**	Department of Statistics Award in Data Science (for 2015W session)	UBC	1,000
11/16/2015	**Emilia Lim**	Lloyd Skarsgard Research Excellence Prize	BCCA	1000
11/12/2014	**Emilia Lim**	Rapid-fire Research Talk, 4th Annual TFRI BC Node Research Day	TFRI	150
10/2013	**Julia Pon**	Best Oral Presentation at the TFRI BC Node Research Day	TFRI	
05/24/2013	**Emilia Lim**	Student Most Groundbreaking Research Oral Presentation Prize	RiboWest 2013 Conference	
10/2011	**Ryan Morin**	Lloyd Skarsgard Research Excellence Prize	BCCA	500
11/26/2010	**Olena Morozova**	One of the recipients of the Best Poster Award at the BC Cancer Agency Annual Cancer Conference	BCCA	
12/2008	**Trevor Pugh**	Genetics and Bioinformatics Retreat Senior Student Poster Award	UBC	150
10/2008	**Malachi Griffith**	Lloyd Skarsgard Research Excellence Prize	BCCA	500
12/2007	**Olena Morozova**	Medical & Bioinformatics Graduate Retreat Best Poster Award (for Bioinformatics category)	UBC	500
12/2007	**Ying-Chen (Claire) Hou**	Medical & Bioinformatics Graduate Retreat Best Poster Award (for Genetics category)	UBC	500
06/2006 – 08/2006	**Malachi Griffith**	CIHR National Research Poster Competition (Honourable Mention)	CIHR	-
2006	**Trevor Pugh**	Research Forum Exchange Poster Award	Genome BC	250
2005	**Trevor Pugh**	Medical Genetics Research Day Student Poster Award (Honourable mention)	UBC	-
2004 & 2003	**Suganthi Chittaranjan**	Medical Genetics Research Day Student Poster Award	UBC	300

TRAINEE PLATFORM / ORAL PRESENTATIONS:

International Human Epigenome Consortium Annual Meeting. Hong Kong, China. Oct 26-28, 2018. Lee S, Song J, Chan SY, Chittaranjan S, Marra MA. Characterization of the Molecular Consequences of CIC-knockout and Neomorphic IDH1-R132H Mutation on Transcriptomic and Epigenomic Landscapes. **(Rapid-fire talk)**
2018 BC Cancer Research Day. Vancouver, BC. June 11, 2018. LeBlanc VG, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq. **(Rapid-fire talk)**

18th Biennial Canadian Neuro-Oncology Meeting. Banff, AB. May 10-12, 2018.LeBlanc VG, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq. **(Young Investigator Award in Basic/Translational Research).**
International Rhabdoid Tumour Meeting, Lake Louise, AB. Apr 19-22, 2018. Chun HYE. Comparative analyses of cranial ATRTs and extra-cranial MRTs revealed molecular similarities between the MYC-subgroup of ATRTs and MRTs.
B.I.G. Research Day. Vancouver, BC. Mar 9, 2018. Chun HYE. Extra-cranial rhabdoid tumours exhibit molecular similarities to the MYC-subgroup of AT/RTs.
BC Cancer Research Centre's Thursday Oncology Trainee Seminar. Vancouver, BC. Feb 16, 2018. Chun HYE. Comparative analysis of cranial and extra-cranial rhabdoid tumours revealed molecular similarities between subgroups.
The 4th Canadian Conference on Epigenetics, Whistler, BC. Nov 26-29, 2017. Chun HYE. Extra-cranial rhabdoid tumours exhibit molecular similarities to a cranial subtype.
Terry Fox Research Institute 8th Annual Scientific Meeting. Vancouver, BC. Nov 4, 2017. LeBlanc VG, Trinh D, Hughes M, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq. **(Rapid-fire talk)**
BC Cancer Research Centre's Thursday Oncology Trainee Seminars. Vancouver, BC. May 3, 2017. LeBlanc VG, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq.
BC Cancer Research Centre's Thursday Oncology Trainee Seminar. Vancouver, BC. Mar 2, 2017. LeBlanc V. Investigating the role of *CIC* mutations in malignancy.
BC Cancer Research Centre's Thursday Oncology Trainee Seminar. Vancouver, BC. Feb 2, 2017. Chun H-J. Heterogeneous molecular landscapes of malignant rhabdoid tumours uniformly driven by SMARCB1 loss.
58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Lim EL, Trinh DL, Ries RE, Wang J, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Kolb EA, Gamis A, Smith M, Gerhard DS, Alonzo TA, Meshinchi S, Marra MA. A microRNA Expression-based Model Predicts Event Free Survival in Pediatric Acute Myeloid Leukemia. **(Oral presentation)**
2016 American Society of Human Genetics Annual Meeting, Vancouver, B.C. Oct 18-22, 2016. Lim EL, Trinh DL, Ries R, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Gerhard DS, Kolb EA, Gamis A, Smith M, Alonzo TA, Arceci RJ, Meshinchi S, Marra MA. Pediatric acute myeloid leukemia survival differences revealed by comprehensive miRNA sequence analysis. **(Platform presentation)**
BCCA Monday Noon Seminar Series. Vancouver, BC. Oct 3, 2016. Lim EL. miRNA Sequence Analysis Reveals Cancer Subtypes that Correlate With Tumour Characteristics and Patient Outcomes. **(Presentation)**
International Union of Biochemistry and Molecular Biology Annual Meeting. Vancouver, BC. Jul 2016. Lim EL, Trinh DL, Ries R, Wang J, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Oehler V, Kolb EA, Gamis A, Smith M, Gerhard DS, Arceci RJ, Alonzo TA, Meshinchi S, Marra MA. Comprehensive Sequence Analysis of Relapse & Refractory Pediatric Acute Myeloid Leukemia **(Presentation)**
VanBug Seminar. Vancouver, BC. Mar 2016. Chun H-J, Lim EL, Heravi-Moussavi A, Modaber SS, Moussavi A, Mungall KL, Bilenky M, Carles A, Tse K, Shlafman I, Zhu K, Qian JQ, Harvey D, He An, Long W, Goya R, Ng M, LeBlanc V, Pleasance E, Thiessen N, Wong T, Chuah E, Zhao YJ, Schein JE, Gerhard DS, Taylor MD, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Heterogeneous epigenetic landscape of extra-cranial malignant rhabdoid tumours. **(Presentation)**
57th American Society of Hematology Annual Meeting. Orlando, FL. Dec 2015. Lim EL, Trinh DL, Ries R, Wang J, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Oehler V, Kolb EA, Gamis A, Smith M, Gerhard DS, Alonzo TA, Arceci RJ, Meshinchi S, Marra MA. Comprehensive Sequence Analysis of Relapse and Refractory Pediatric Acute Myeloid Leukemia Identifies miRNA and mRNA Transcripts Associated with Treatment Resistance - a Report from the COG/NCI-Target AML Initiative.
BC Cancer Research Centre Thursday Oncology Seminar Series. Vancouver, BC. Nov 2015. Chun H-J, Lim EL, Heravi-Moussavi A, Modaber SS, Moussavi A, Mungall KL, Bilenky M, Carles A, Tse K, Shlafman I, Zhu K, Qian JQ, Harvey D, He An, Long W, Goya R, Ng M, LeBlanc V, Pleasance E, Thiessen N, Wong T, Chuah E, Zhao YJ, Schein JE, Gerhard DS, Taylor MD, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Extra-cranial malignant rhabdoid tumours have molecularly distinct subgroups.
Children's Oncology Group Annual Meeting. Dallas, TX. Oct 2015. Lim EL, Trinh DL, Ries R, Wang J, Ma Y,

Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Oehler V, Kolb EA, Gamis A, Smith M, Gerhard DS, Alonzo TA, Arceci RJ, Meshinchi S, Marra MA. Transcriptome Sequence Analysis of Relapse and Refractory Pediatric Acute Myeloid Leukemia.
Next Generation Sequencing Rounds, Child & Family Research Institute. Vancouver, BC. Sep 25, 2015. Chun H-J. Genomic analyses of extra-cranial malignant rhabdoid tumours.
2nd International GENCODYS Conference Integrative Networks in Intellectual Disabilities. Crete, Greece. Apr 27-28, 2015. Zahir F, Lee L, Makela N, Friedman JM, Marra M. Pathway analyses of whole genome sequence data identifies novel candidate Intellectual Disability genes.
13th International Symposium on Mutation in the Genome: detection, genome sequencing & interpretation. Leiden, The Netherlands. Apr 27-30, 2015. Zahir F, Lee L, Makela N, Friedman JM, Marra M. Pathway analyses of whole genome sequence data identifies novel candidate Intellectual Disability genes.
Genome Informatics 2014. Cambridge, UK. Sep 21-24, 2014. Lim EL, Trinh DL, Scott DW, Chu A, Krzywinski M, Robertson G, Mungall AJ, Schein J, Boyle M, Johnson NA, Steidl C, Connors JM, Morin RD, Gascoyne RD, Marra MA. Comprehensive miRNA Sequence Analysis Reveals Survival Differences in Diffuse Large B-cell Lymphoma Patients.
Clinician Investigator Program Research Day. Vancouver, BC. June 2, 2014. Pon JR, Wong J, Marra MA. *MEF2B* Mutations Recurrent in Non-Hodgkin Lymphoma Decrease *MEF2B* Transcriptional Activity and Dysregulate Migration and Proliferation. **(Oral presentation)**
University of British Columbia. IOP/BTP/GSAT Research Day. Vancouver, BC. Mar 28, 2014. Pon J, Chittaranjan S, Wong J, Chan S, Trinh D, Tamura-Wells J, Firme M, O'Brien K, Mendez-Lago M, Morin R, Connors JM, Gascoyne RD, Marra M. Regulatory Networks Impacted by *MEF2B* Mutations in Non Hodgkin Lymphoma. **(Oral presentation)**
3rd Annual TFRI-BC Node Research Day. Vancouver, BC. Oct 31, 2013. Pon J, Chittaranjan S, Wong J, Chan S, Trinh D, Tamura-Wells J, Firme M, O'Brien K, Mendez-Lago M, Morin R, Connors JM, Gascoyne RD, Marra M. Regulatory Networks Impacted by *MEF2B* Mutations in Non Hodgkin Lymphoma. **(Awarded Best Oral Presentation)**
RiboWest 2013 Conference. Prince George, BC. May 2013. Lim E, Trinh D, Scott D, Chu A, Morin R, Mungall A, Boyle M, Johnson M, Connors J, Gascoyne R, Marra M. Deep Sequencing of the DLBCL miRnome Reveals Novel Prognostic miRNA. (**Awarded Student Most Groundbreaking Research Oral Presentation Prize)**
Asian Pacific Bioinformatics Conference, Vancouver, BC. Jan 20, 2013. Chun H-J. Interpreting cancer sequencing data in terms of functions, pathways and drug targets. **(Tutorial instruction).**
BC Cancer Agency Research Conference. Vancouver, BC. Nov 2012. Lim EL, Morin RD, Chu A, Gascoyne RD, Marra MA. An Integrative Analysis of miRNA:mRNA Interactions Acting in Cancers. **(Awarded Best Bioinformatics Oral Presentation)**
Canadian Association of Genetic Counselors Annual Conference. Saskatoon, SK. Oct 17-20, 2012. Zahir Farah. Genomics tools at your finger-tips; learning to access and use online available tools for genotype-phenotype correlations. **Invited oral (workshop) presentation**
NeuroDevNet Brain Conference, Toronto, ON. Sep 20-24, 2012. Zahir FR, Shen Y, Zhan SH, Adam S, Makela N, Beaulieu C, FORGE Canada Consortium, Gibson W, Patel M, Horvath G, Marra MA, Jones S, Friedman JM. Whole exome sequencing of two families results in identification of novel causative mutations for severe Intellectual Disability. **(Oral presentation)**
Sri Lanka Medical Association 125th Anniversary Conference. Colombo, Sri Lanka. July 2-6, 2012. Zahir FR, Adam S, Makela N, FORGE Canada Consortium, Gibson W, Horvath G, Langlois S, Patel W, Marra MA, Jones S, Friedman JM. Cutting edge genomic technologies to diagnose the genetic basis of Intellectual Disability and Major Congenital Anomalies. **(Invited oral presentation)**
Model Organisms to Human Biology- Cancer Genetics Conference. Washington, DC. June 17-20 2012. Pon J, Mendez-Lago M, Mungall AJ, Mungall KL, Bolger-Munro M, Goya R, Hadj Khodabakhshi A, Johnson NA, Chiu R, Jackman S, Krzywinski M, Scott D, Trinh DL, Corbett R, Meissner B, Tse K, Birol I, Holt R, Schein J, Horsman DE, Moore R, Hirst M, Jones SJM, Connors JM, Gascoyne RD, Marra MA, Morin RD. Genomic Profiling of Non-Hodgkin Lymphoma Clinical Samples. **(Oral presentation)**
Pacific North-West Genetics Exchange, Seattle, WA, USA, May 4, 2012. Zahir FR, Tucker T, Adam S, Chai D, Tsang E, Delaney A, Eydoux P, Griffith M, Hamdan F, Langlois S, Marra M, Michaud J, Friedman JM. Genomic

imbalance of genes encoding epigenetic regulatory proteins is a significant cause of intellectual disability **(Oral presentation)**
BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Mwenifumbo JC, Griffith M, Zhao YJ, Owen D, Gill S, Marra M. Exploring Mutational Evolution in Metastatic Colorectal Cancer. **(Oral presentation)**
11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Bosdet I, Pugh T, Sutcliffe M, Ionescu D, Ho C, Sun S, Murray N, Laskin JJ, Marra M. Mutational profiling of pre- and post-treatment lung tumors using whole-transcriptome sequencing and targeted sequence capture. **(Platform presentation)**
Cambridge Healthtech Institute's Next Generation Sequencing Conference. San Diego, CA. Mar 2009. Pugh T, Morin RD, Marra MA. Whole transcriptome sequencing of cancer biopsies for concurrent analysis of expression, splicing and mutation **(Platform presentation)**.
10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Griffith M, Morin RD, Tang MJ, Pugh TJ, Griffith OL, Ally A, Asano JK, Chan SY, McDonald H, Zhao Y, Zeng T, Delaney A, Hirst M, Tai IT, Marra MA. Transcriptome Sequencing Reveals Alternative Splicing Events in Chemotherapy Resistant Colon Cancer Cells. **(Platform presentation)**
HUGO's 13th Human Genome Meeting. Hyderabad, India. Sep 2008. Morozova O, Morozov V, Hirst M, Marra M. Defining expression signatures of known cancer genes using seriation analysis of SAGE libraries from Cancer Genome Anatomy Project (CGAP). Computational Biology and Structural Proteomics Workshop Presentation. **(Platform presentation)**
The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. Morin RD, O'Connor MD, Griffith M, Kuchenbauer F, Delaney A, Prabhu A-L, Zhao Y, McDonald H, Zeng T, Hirst M, Eaves CJ, Marra MA. Application of Illumina massively parallel sequencing to microRNA profiling and discovery in human embryonic stem cells. **(Platform presentation)**
The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. Farnoud N, Chan S, Flibotte S, Delaney A, Friedman JM, Marra M. DLOH: A Novel Bioinformatics Tool For Detection Of Copy-Number Deletions Using LOH Data. **(Platform presentation)**
Discovery to Diagnostics Conference & Exhibition. Philadelphia, PA. Sep 2007. Griffith M. Identification of alternative isoforms associated with chemotherapy resistance. **(Platform presentation**).
HUGO's 12th Human Genome Meeting. Montreal, QC. May 2007. Morin RD, Delaney A, O'Connor M, Prabhu A-L, Zhao Y, McDonald H, Zeng T, Hirst M, Eaves C, Marra MA. Identification of small RNAs important in embryonic stem cells and their differentiation. **(Platform presentation)**

UNDERGRADUATE STUDENTS / OTHER STUDENTS SUPERVISED:

From	To	Student	Status	Degree
04/29/2019	Present	Dollina Dodani	Co-op Student	Simon Fraser University BSc Computing Science
06/19/2019	08/30/2019	Parsa Seyfourian	Volunteer Student	BSc, 2nd year University of British Columbia
11/21/2018 & 01/02/2018	06/28/2019 08/16/2018	Ishika Luthra	Student Researcher Co-op Student	BSc (Biomedical Engineering) BSc (Biomedical Engineering, 4th year) Simon Fraser University
07/23/2018	08/31/2018	Daniel Shirvani	Volunteer Student	High school student, Grade 11 West Vancouver Secondary School
01/15/2018 & 05/01/2017	08/10/2018 08/30/2017	William Brothers	Student Researcher NSERC Summer Student	BSc (Biology) University of British Columbia
06/01/2017	08/31/2017	Heidi Britton	Summer Student	MD Program

				University of British Columbia
09/08/2015	04/27/2016	Cassia Warren	Directed Studies Student	BSc (Genetics & Physiology) University of British Columbia
09/08/2015	04/29/2016	Amro Anwer	Co-op Student	BSc (Computer Engineering) University of British Columbia
01/05/2015	08/21/2015	Hyun Jung (Adita) Cho	Co-op Student	BSc (Biochemistry, 4th year) University of British Columbia
05/05/2014 & 09/20/2013	08/31/2015 04/30/2014	Min Hye (Angelica) Lee	Co-op Student Volunteer Student	BMLSc (3rd year) University of British Columbia
05/01/2014	04/27/2015	Michelle Ng	Honours Thesis Student	University of British Columbia
09/03/2013	01/18/2015	Jungeun Song	Co-op Student	BSc (Molecular Biology & Biochemistry, final year) Simon Fraser University
05/06/2013	12/20/2013	Jackson Wong	Co-op Student	Faculty of Science (3rd year Biology) University of British Columbia
09/04/2012	08/30/2013	Chi-fu (Kevin) Yang	Co-op Student	BSc Honours (Molecular Biology & Biochemistry, 3rd year) Simon Fraser University
05//2012	08/28/2012	Yisi Daisy Ji	Summer Student	BSc (Pharmacy, 2nd year) University of British Columbia
01/2011 & 05/2007	08/31/2012 09/2008	Cindy Yang	Student Researcher Volunteer Student	BSc (Microbiology & Immunology) University of British Columbia
08/2011	01/2012	Brian Alcock	Student Researcher	BSc Honours (Biology, 4th year) Memorial University, Newfoundland
06/2011	08/2011	Andre Paul Van	Volunteer Student	MSc (Human Genetics) University College London
05/2011 & 05/2009 & 05/2008	06/2012 07/2009 08/2008	Pierre Cheung	Student Researcher Volunteer Student Volunteer Student	BSc Honours (Biochemistry) University of British Columbia
05/2011	08/2011	Sam Whiteley	Volunteer Student	BSc (Mechanical Engineering) McGill University
05/2011 & 05/2010	08/2011 08/2010	Madison Bolger-Munro	Student Researcher Volunteer Student	BSc (Microbiology & Immunology, 2nd year) University of British Columbia
03/2011	08/2011	Juan Marlo Firme	Volunteer Student	BSc Honours ((Microbiology & Immunology) University of British Columbia
01/2011	08/2011	Jessica Tamura-Wells	Co-op Student	BSc (Microbiology, 3rd year) University of Victoria
01/2011 & 05/2010	03/2011 09/2010	Eric Zhao	Volunteer Student Summer Student	Faculty of Science University of British Columbia
09/2009 &	12/2010	Alexandra Maslova	Student Researcher	Science One Program University of British Columbia

05/2009	08/2009		Volunteer Student	
09/2010	12/2010	Ricky Lo	Co-op Student	BSc (Cell Biology & Genetics) University of British Columbia
05/2010	08/2010	Yulia Merkulova	Volunteer Student	Science One Program University of British Columbia
05/2010	08/2010	Brian Cho	Volunteer Student	Science One Program University of British Columbia
10/2009	06/2010	Deborah Chen	Volunteer Student	Science One Program University of British Columbia
02/2009	12/2009	Shaun Drummond	Volunteer Student	Associate Degree in Biology Kwantlen Polytechnique University
05/2009	08/2009	Jasmine Lin	Student Researcher	Bachelor of Arts Cornell University
04/2009 & 09/2008	08/2009 03/2009	Alison Lee	Student Researcher Volunteer Student	BSc Honours (Physiology Program) University of British Columbia
05/2008 & 05/2007	07/2009 08/2007	Jessica Paul	Student Researcher Summer Student	BSc (Honors Biology, minor Biochemistry) Calvin College, Michigan
09/2008	04/2009	Lisa Miao	Student Researcher	BSc (Computer Science) University of British Columbia
04/2008 & 09/2007	06/2008 12/2007	Diane Wu	Summer Student Part-time Research Student	BSc (Mol Biology & Biochem) Simon Fraser University
11/2007	11/2007	Jennifer Puddicombe	Volunteer Student	BSc (Cell Biology & Genetics) University of British Columbia

STUDENT ADVISORY COMMITTEE INVOLVEMENT:

From	To	Student	Supervisor	Program
01/2016	Present	Emma Laks	Samuel Aparicio	MSc (Genome Science and Technology), UBC
09/2015	Present	Derek Wong	Stephen Yip & David Huntsman	PhD (Pathology and Laboratory Medicine), UBC
11/2010	08/2019	Chandra Lebovitz	Sharon Gorski	PhD (Molecular Biology & Biochemistry), SFU
09/2018	05/2019	Kevin Fan	Steven Jones	MD/PhD Program University of British Columbia
01/2017	04/2018	Kevin Jepson	Carl Hansen	MSc (Genome Science and Technology), UBC
04/2014	12/2016	Sivan Reytan	Philip Hieter	MSc (Medical Genetics), UBC
09/2013	05/2018	Eric Zhao	Steven Jones	MD/PhD Program University of British Columbia
04/2013	04/2018	Hans Zahn	Carl Hansen	PhD (Genome Science and Technology), UBC
04/2013	03/2017	Fong Chun Chan	Sohrab Shah	PhD (Bioinformatics Graduate Program), UBC
01/2013	07/2018	Lauren Tindale	Angela Brooks-Wilson	PhD (Biomedical Physiology and Kinesiology), SFU

12/2010	12/2015	Peter Thompson	Matthew Lorincz	PhD (Medical Genetics), UBC
10/2008	12/2012	Madalene Earp	Angela Brooks-Wilson	PhD (Medical Genetics), UBC
03/2009	02/2012	Mehdi Najafzadeh	Carlo Marra	PhD (Pharmacy Program), UBC
08/2008	07/2009	Ying-Chen (Claire) Hou	Sharon Gorski	PhD (Medical Genetics), UBC
09/2007	07/2010	Lucie Semenec	Jack Chen	MSc (Mol Biol & Biochemistry), SFU
07/2007	03/2012	Anthony Fejes	Steven Jones	PhD (Bioinformatics), UBC
01/2007	06/2012	Dan Fornika	Angela Brooks-Wilson	MSc (Medical Genetics), UBC
01/2007	07/2010	Marco Gallo	Don Riddle	PhD (Medical Genetics), UBC
06/2006	11/2010	Iva Kulic	Aly Karsan	PhD (Experimental Medicine), UBC
05/2006	08/2011	Farah Zahir	Jan Friedman	PhD (Genetics Graduate Program), UBC
05/2005	05/2006	Brianna Melnyk	Robert Holt	MSc (Genetics Graduate Program), UBC
09/2004	11/2011	Yvonne Li	Steven Jones	PhD (CIHR Bioinformatics Program), UBC
09/2004	03/2010	Kelvin Zhang	Francis Ouellette	PhD (CIHR Bioinformatics Program), UBC
12/2003	05/2007	Jessica Lee	Ryan Brinkman	MSc (CIHR Bioinformatics Program), UBC
09/2003	07/2009	David Kent	Connie Eaves	PhD (Medical Genetics), UBC
09/2003	09/2008	Tammy Romanuik	Marianne Sadar	PhD (Pathology and Laboratory Medicine), UBC
09/2003	04/2008	Obi Griffith	Steven Jones	PhD (Medical Genetics), UBC
09/2003	01/2005	Debra Fulton	Fiona Brinkman	MSc (CIHR Bioinformatics Program), SFU
09/2002	08/2004	Perseus Missirlis	Philip Hieter	MSc (Genetics Graduate Program), UBC
03/2002	12/2005	Erin Pleasance	Steven Jones	PhD (Medical Genetics), UBC
09/2001	01/2005	Tom Milne	Hugh Brock, Jay Hess	PhD (Medical Genetics), UBC
09/1999	11/2006	Michael Anglesio	Poul Sorensen	PhD (Pathology), UBC
07/1999	08/2001	Michael Thorne	Steven Jones	MSc (Medical Genetics), UBC
07/1999	05/2001	Sanja Karalic	Carolyn Brown	MSc (Medical Genetics), UBC
09/1998	08/2003	Josette-Renee Landry	Dixie Mager	PhD (Medical Genetics), UBC

COMPREHENSIVE / THESIS EXAMINING COMMITTEE INVOLVEMENT:

Date	Role	Student	Thesis Title	Degree	University
09/25/2018	Chair (for PhD comprehensive examination)	Katherine Dixon	Molecular pathogenesis of cancer predisposition syndromes and challenges in genetic diagnosis	PhD candidate (Medical Genetics)	University of British Columbia
07/25/2017	University Examiner	Carol Chia-Lu Chen	Interphase histone H3 serine 10 phosphorylation in mouse embryonic stem cells	PhD (Medical Genetics)	University of British Columbia
03/10/2017	University Examiner	Fong Chun Chan	Clinical Implications of Inter-tumour, Intra-tumour, and Tumour Microenvironment Heterogeneity in B-cell Lymphomas	PhD (Bioinformatics Graduate Program)	University of British Columbia
06/10/2015	Chair (for PhD comprehensive examination)	Govinda Sharma	The development of a high-throughput methodology for the discovery of cytotoxic T-cell receptor epitopes	PhD candidate (Genome Science & Technology Graduate Program)	University of British Columbia
06/04/2012	External Examiner	Wigdan Al-Sukhni	Identifying susceptibility genes for Familial Pancreatic Cancer using novel high-resolution genome interrogation platforms	PhD	University of Toronto
04/12/2012	Chair	Jennifer Grants	Gene regulation by CDK8 (for PhD comprehensive examination)	PhD (Medical Genetics)	University of British Columbia
06/28/2011	Chair	Brian Wing Chi Wong	Vascular endothelial growth factor-induced permeability in the pathogenesis of cardiac allograft vasculopathy	PhD (Pathology and Laboratory Medicine)	University of British Columbia
09/04/2009	Chair	Noemie Riendeau	Autism spectrum disorders: Identification of novel microdeletions and microduplications and their associated phenotypes.	MSc (Medical Genetics)	University of British Columbia
07/27/2005	Chair	Jasmeen Merzaban	Formation of functional selection ligands on Activated T Cells and Thymic progenitors: the role of Core 2 ?-6-N-glucosaminyltransferases in the control of lymphocyte trafficking and thymic progenitor homing.	PhD (Experimental Medicine)	University of British Columbia

MENTORING ACTIVITY:

09/2002 – Present	Mentor/Rotation Supervisor, CIHR/MSFHR Bioinformatics Training Program
01/2014	Attended and provided feedback to Interdisciplinary Oncology Program students during their Thursday Oncology Trainee Seminars, as part of ONCO 510 course.
10/2012 – 05/2013	Mentor, Indspire Rivers to Success: Mentoring Indigenous Youth Program

09/2005 – 03/2006	Mentor, Life Sciences Research Tri-Mentoring Program, University of British Columbia

SIGNIFICANT RESEARCH CONTRIBUTIONS:

Dr. Marra's most significant contributions to genome science are listed below. Publications have been organized into groups of technically or scientifically related topic areas.

I. *Science*, 2009 Apr 24;324(5926):522-528; *Genome Biol*, 2007 Oct 22;8(10):R224; *Science*, 2007 Apr 13;316(5822):222-234; *Science*, 2006 Nov 10;314(5801):941-952; *Science*, 2006 Sep 15;313(5793):1596-1604; *Genome Res*, 2006 Jun;16(6):768-775; *Science*, 2006 Sep 15; 313 (5793):1596-1604. *Proc Natl Acad Sci USA*, 2005 Dec 20;102(51):18526-18531; *Science*, 2005 Jul 15;309(5733):436-442; *Nature*, 2005 Apr 7;434(7034):724-731; *Science*, 2005 Feb 25;307(5713):1321-1324*; Nature*, 2004 Apr 1;428(6982):493-521; *Nature*, 2003 Jul 10;424(6945):157-164; *Nature*, 2002 Aug 15;418 (6899):743-750; *Nature Genet*, 2001Oct;29(2):133-134; *Genome Res*, 2001 Feb;11(2):274-280; *Nature*, 2001 Feb 15;409(6822):934-941; *Nature*, 2001 Feb 15; 409(6822):860-921.*Genome Res*, 1997;7:1072-1084.

These selected publications describe large-scale high throughput DNA sequencing conducted via a hierarchical map-based approach. The papers published in the Feb. 15, 2001 issue of Nature, titled "The Human Genome", describe the construction and use of the human genome map to fuel human genome sequencing. Dr. Marra's contribution was to devise and then implement the approaches that led to the construction and use of the map, which served as the centralized coordinating resource for the sequencing effort.

Dr. Marra also led map construction efforts in support of the sequencing of the mouse, rat, bovine, and other genomes, as described in these papers.

II. *Nature*, 2000 Dec 14;408(6814):796-815; *Nature*, 2000;408:823-826; *Cell*, 2000;100:377-386; *Nature*, 1999; 402:769-776; *Science*, 1999;286:2468-2474; *Nature Genet*, 1999;22:265-270; *Nature Genet*, 1999;22:271-275.

This series of papers describes the mapping and sequencing of the *Arabidopsis thaliana* genome. *A. thaliana* is an important model plant used widely to address issues relevant to plant developmental genetics. Dr. Marra was a key member of the Cold Spring Harbor Sequencing Consortium, focused on first leading the effort to map the *A. thaliana* genome and subsequently coordinating aspects of the whole genome sequencing activity.

III. *Emerg Infect Dis*, 2004 Dec;10(12):2192-2195; *Science*, 2003 May;300(5624):1399-1404.

The EID publication describes the sequencing of Avian flu genomes isolated from human patients during an Avian flu outbreak. The Science publication describes the rapid generation of the complete and accurate sequence of the SARS-associated coronavirus. The Genome Sciences Centre generated and end-sequenced cDNAs, and then assembled these sequences into the final ~29 kilobase genome sequence. The entire effort took about six days, demonstrating that genome sequencing of a new viral pathogen could be considered a legitimate part of a "rapid response" to an emerging infectious disease. The Science paper has been cited more than 1,504 times (as of Aug 07/18).

IV. Dr. Marra's current efforts are directed toward the implementation of genomics approaches to characterize human cancers. He has led and co-led numerous efforts that use massively parallel sequencing technologies to characterize tumors, leading to the discovery of new cancer-associated mutations, candidate biomarkers, and new therapeutic targets. These efforts resulted in the discovery of mutated genes implicated in **ovarian cancers** e.g. *FOXL2* (*N Engl J Med* 2009 Jun 25;360(26):2719-2729) and *ARID1A* (*N Engl J Med* 2010 Oct 14; 363(16):1532-1543.); **B cell lymphomas** e.g. *EZH2* (*Nat Genet* 2010 Feb ;42(2):181-185), *MLL2*, *MEF2B*, (*Nature* 2011 Jul 27; 476(7360):298-303), *CIITA* (*Nature* 2011 Mar 17;471(7338):377-381.); **brain cancers** (e.g. *CIC* (*J Pathol* 2012 Jan;226(1):7-16); **breast cancers** (e.g. *Nature* 2009 Oct 8;461(7265):809-813 and Nature 2012 Apr 4;486(7403):395-399); **medulloblastomas** (e.g. *Nat Genet* 2017 May;49(5):780-788; *Oncotarget* 2016 May;7(19):28169-28182; *Nature* 2016 Jan;529(7586):351-357; *Cancer Cell* 2014 Jul;26(1):33-47; *Acta Neuropathol* 2013 Mar;125(3):373-384; *Nature* 2012 Aug;488(7409):49-56); **lymphomas** (e.g. *Blood* 2017 Mar 28; *PLoS Med* 2016 Dec 13; *Blood* 2016 Sep;128(9):1206-1213; *Blood* 2015 Oct;126(18):2118-2127; *Blood* 2015 Feb;125(6):959-966; *Genome Biol* 2015 Jan;16(1):18; *Nat Genet* 2014 Apr;46(4):329-335; *Blood* 2013

May;121(18):3666-3674; *Blood* 2013 Apr;121(16):3161-3164; *Blood* 2012 May;119(21):4949-4952; *Blood* 2012 Mar;119(9):1963-1971); **leukemias** (*Nat Commun* 2016 Nov;7:1333; *Cancer Cell* 2012 Aug;22(2):153-166); and **rhabdoid tumours** (e.g. *Cancer Cell* 2016 Mar;29(3):394-406). Dr. Marra also led the first proof-of-concept study demonstrating the role of genomics in personalized medicine in the context of human cancer. In this study (***Genome Biol*** 2010 Aug 9;11(8):R82), a rare cancer falling outside standard treatment guidelines was subjected to DNA sequencing before and after treatment. The sequence data were used to inform the choice of cancer treatment options, which were previously undefined for this rare tumor type. Clinical administration of the selected treatment resulted in shrinkage of the tumor and the establishment of stable disease for several months. Significantly, this study was the first to establish that comprehensive sequence characterization of tumors can aid in the selection of relevant therapeutic approaches. Dr. Marra is now working to drive the development of personalized treatment using sequencing to inform treatment options, particularly for poor prognosis cancers where current treatment strategies are failing cancer patients.

GRANTS / FUNDING SUPPORT

Applied For

Granting Agency	Title	Years	Amount	Principal Investigator	Co-Investigator(s)
BC Cancer Foundation	EVOS M5000 Cell Imaging System *(Equipment grant)*	11/30/2019 to 03/01/2020	Total amount: $50,000	Sharon Gorski	Marco Marra, Gregg Morin, Robert Holt, Isabella Tai, and Marcel Bally
BC Cancer Foundation	Axiovert microscope from Carl Zeiss Canada Ltd, with image capture accessories. *(Equipment grant)*	12/01/2019 to 03/01/2020	Total amount: $46,771	Isabella Tai	Sharon Gorski, Robert Holt, Marco Marra, and Gregg Morin
Canadian Institutes of Health Research	Harnessing precision oncology to enhance cancer-risk stratification	04/01/2020 to 03/31/2022	Total amount: $480,000	Kasmintan Schrader	Daniel Renouf, David Schaeffer, Sophie Sun, Anna Tinker, Stephen Yip, David Huntsman, Steven Jones, Janice Kwon, Peter Lansdorp, Howard Lim, Marco Marra, and Dean Regier

Currently Held

Granting Agency	Title	Years	Amount	Principal Investigator	Co-Applicant(s)

BC Cancer Foundation	Personalized OncoGenomics **(Grant #: NRF10229)**	07/01/2012 to 03/31/2020	Total amount: $22,700,000 $2,837,500/yr GSC amount: $12,700,000 $1,587,500/yr	Marco Marra and Janessa Laskin	Karen Gelmon, Howard Lim, and Steven Jones
BC Cancer Foundation	Pediatric Personalized Genomics **(Grant #: NRF10201)**	04/10/2013 to 03/31/2020	Total amount: $703,889 $100,555/yr	Marco Marra	
Canada Foundation for Innovation	Canada's Genomics Enterprise (CGEn): A national genomic tools network for transforming life science research *(Equipment grant)*	04/01/2015 to 03/31/2020	Total amount: $58,435,140 $11,687,028/yr GSC amount: $ 20,910,670 $4,182,134/yr	Steven Jones, Stephen Scherer, Mark Lathrop, Guillaume Bourque, Michael	
				Brudno, Robert Holt, Aly Karsan, Marco Marra, Jiannis Ragoussis, and Michael Taylor	
Canadian Institutes of Health Research	Exploring the relationship between the genome and the epigenome in cancers	07/01/2015 to 06/30/2022	Total amount: $4,088,854 $584,122/yr	Marco Marra	Program Experts: Joseph Connors, Randy Gascoyne, Gregory Cairncross, Michael McManus, Cheryl Arrowsmith, Gregg Morin, and Pamela Hoodless
Genome British Columbia	Northern Biobank Initiative: Phase 2	10/01/2015 to 03/31/2020	Total amount: $1,250,000 $312,500/yr	Nadine Caron	Marco Marra

Stand-up to Cancer (Canada) / American Association for Cancer Research	Targeting Brain Tumour Stem Cell Epigenetic and Molecular Networks	09/01/2015 to 09/30/2019	Total amount: $11,791,833 CAD $2,947,958/yr GSC amount: $1,372,095 $343,023/yr	Peter Dirks, Samuel Weiss, Marco Marra, Mathieu Lupien, Amy Caudy, Michael Tyers, Michael Salter, Michael Taylor, Warren Mason, Trevor Pugh, Nada Jabado, Cheryl Arrowsmith, Gary Bader, and Eric Bouffet	
Terry Fox Research Institute	The Terry Fox Precision Oncology For Young peopLE	04/01/2016 to 03/31/2021	Total amount: $5,000,000 $1,000,000/yr GSC amount: $565,767 $113,153/yr	David Malkin	Steven Jones and Marco Marra
Canadian Institutes of Health Research	Development of an automated end-to-end next generation sequencing assay to detect all classes of genetic variant in a single diagnostic test	04/01/2016 to 03/31/2021	Total amount: $906,304 $302,101/yr	Aly Karsan and Marco Marra	Inanc Birol, Richard Moore, Yongjun Zhao, Robin Coope, Peter Watson, Hagen Kennecke, Cheryl Ho, Ian Bosdet, and Lucas Swanson
Terry Fox Research Institute	Overcoming treatment failure in lymphoid cancers	07/01/2016 to 06/30/2021	Total amount: $7,500,000 $1,500,000/yr GSC amount: $ 2,361,102 $472,220/yr	Christian Steidl, Joseph Connors, Marco Marra, Ryan Morin, David Scott, Andrew Weng, Sohrab Shah, and Pedro Farinha	Andrew Mungall, Gregg Morin, Carl Hansen, and Graham Slack

National Institutes of Health	Contract 14X292 (Molecular characterization of HIV malignancies)	08/19/2016 to 03/31/2022	Total amount: $4,143,486 USD $690,581/yr	Marco Marra	
Genome British Columbia	Personalized OncoGenomics 3.0	10/31/2016 to 03/31/2020	Total amount: $2,000,000 $500,000/yr	Janessa Laskin and Marco Marra	Steven Jones and Dean Regier
Canadian Institutes of Health Research	Centre for Epigenome Mapping Technologies	02/01/2017 to 01/31/2022	Total amount: $4,450,000 $890,000/yr GSC amount: $1,727,800 $345,560/yr	Martin Hirst, Marco Marra, and Steven Jones	Samuel Aparicio, Connie Eaves, Pascal Lavoie, Daniel Renouf, and Kirk Schultz
Terry Fox Research Institute	Terry Fox Canadian Comprehensive Cancer Centre Network Pilot (T4CN Pilot)	04/01/2017 to 03/31/2020	Total amount: $2,000,000 $1,000,000/yr GSC amount: $565,767 $113,153/yr	Francois Benard and Bradley Wouters	Marco Marra, Trevor Pugh, Brad Nelson, Pamela Ohashi, David Jaffray, Alejandro Berlin and Steven Jones
Genome Canada	BC Cancer Agency Genome Sciences Centre Genomics Technology Platform	04/01/2017 to 03/31/2022	Total amount: $9,726,311 $1,945,262/yr GSC amount: $8,277,709 $1,655,541/yr	Marco Marra and Steven Jones	Corey Nislow and Martin Hirst
Terry Fox Research Institute	The Enhanced Pancreatic Cancer Profiling for Individualized Care project	07/01/2017 to 06/30/2022	Total amount: $4,984,556 $996,911/yr GSC amount: $324,606 $69,921/yr	Daniel Renouf David Schaffer, Steven Gallinger, George Zogopoulos, and Oliver Bathe	Gregg Morin, Steven Jones, Jennifer Knox, Sandra Fischer, Marco Marra, Chris O'Callaghan, and Malcolm Moore

Genome Canada	Deciphering the genome biology of relapsed lymphoid cancers to improve patient management	04/01/2018 to 03/31/2022	Total amount: $11,926,360 $2,385,272/yr GSC amount: $ 4,724,884 $1,181,221/yr	Christian Steidl, Marco Marra, David Scott	Joseph Connors, Ryan Morin, Dean Regier, Aly Karsan, and Robert Kridel
Genome Canada	Silent Genomes: Reducing health care disparities and improving diagnostic success for children with genetic diseases from Indigenous populations.	04/01/2018 to 03/31/2022	Total amount: $10,400,000 $2,600,000/yr	Laura Arbour and Nadine Caron	Maja Tarailo-Graovac, Marco Marra, Sonia Anand, Anna Lehman, Jeff Reading, Dean Regier, Stuart Peacock, Josee Lavoie, and Wyatt Wasserman
Genome Canada	Tackling Childhood Brain Cancer at the root to improve survival and quality of life	04/01/2018 to 03/31/2022	Total amount: $12,997,400 $3,249,350/yr GSC amount: $343,634 $89,908/yr	Nada Jabado, Jacek Majewski, and Michael Taylor	Claudia Kleinman, Aled Edwards, Cheryl Arrowsmith, Steven Jones, Steven, Livia Garzia, Jean Lachanie, Trevor Pugh, Peter Dirks, Marco Marra, Ioannis Ragoussis, Guillaume Bourque, Mathieu Lupien, Mathieu Blanchette, Alexandre Montpetit, Maryam Fouladi, Michael Sundsrom, Lillian Siu, and Vijay Ramaswamy

Canadian Cancer Society Research Institute / Canadian Institutes of Health Research	Dissecting tumour heterogeneity using single cell genomics, epigenomics and transcriptomics	08/01/2018 to 07/31/2020	Total amount: $199,150 $99,575/yr	Marco Marra	Samuel Aparicio and Richard Moore Key personnel: Robin Coope, Yongjun Zhao and Simon Haile Merhu
BC Cancer Foundation	Hereditary male breast cancer: characterization of known and novel familial predispositions using short and long reads sequencing technologies	05/01/2019 to 04/30/2021	Total amount: $74,891 $37,445/yr	Steven Jones and Kashmintan Schrader	MyLinh Thibodeau, Sophie Sun, Aly Karsan, Stephen Yip, Janessa Laskin and Marco Marra
University of British Columbia	Dermatology Point-of-Care Intelligent Imaging Network-Digital Pathology	06/01/2019 to 05/31/2021	Total amount: $423,074 $211,537/yr	Marco Marra, Steven Jones, and Stephen Yip	Robin Coope (Key personnel)

Completed

Granting Agency	Title	Years	Amount	Principal Investigator	Co-Applicant(s)
National Institutes of Health (USA) / NHGRI	The Human Genome Sequence: A pilot project	07/1996 to 06/1999	Total amount: $18,806,979 USD $626,899/yr ($28,210,468 CAD $940,348/yr)	Robert H. Waterston	Marco Marra
National Institutes of Health (USA) / NHGRI	Enhancing the Value of the *C. elegans* Genome	01/1998 to 01/2001	Total amount: $1,091,412 USD $363,804/yr ($1,637,118 CAD $545,706/yr)	Robert H. Waterston	Marco Marra

National Institutes of Health (USA) / NHGRI	Human BAC clone mapping	07/1998 to 06/2000	Total amount: $1,580,220 USD $790,110/yr ($2,370,330 CAD $1,185,165/yr)	Robert H. Waterston	Marco Marra
National Institutes of Health (USA) / NHGRI	Isolation of Mouse BAC Clones Anchored to the RH Map	07/1998 to 06/1999	Total amount: $351,376 USD ($527,064 CAD) (one year)	Robert H. Waterston	Marco Marra
National Institutes of Health (USA)	Zebrafish Genomic Resource Development	09/1998 to 09/2001	Total amount: $743,163 USD $247,721/yr ($1,114,744 CAD $371,581/yr)	S. Johnson	Marco Marra
National Institutes of Health (USA) / NHGRI	Sequencing the Human Genome	03/1999 to 02/2004 (ending 2000 for Marco)	Total amount: $27,184,915 USD $543,698/yr ($40,777,732 CAD $815,547/yr)	Robert H. Waterston	Marco Marra
National Institutes of Health (USA) / NHGRI	Sequencing the Mouse Genome	09/1999 to 10/2001	Total amount: $2,881,731 USD $960,577/yr ($4,411,211 CAD $1,470,403/yr)	John McPherson	Marco Marra

National Institutes of Health (USA) / NHGRI	ESTs Obtained for the Tumor Gene Index	04/1999 to 12/2002	Total amount: $2,042,784 USD $680,928/yr ($3,064,176 CAD $1,021,392/yr)	Robert H. Waterston	Marco Marra
Natural Sciences and Engineering Research Council of Canada	Genome and Transcriptome Analysis of the Human Pathogen *Cryptococcus neoformans* Grant #:228249-99	02/2000 to 01/2003	Total amount: $616,337 $205,445/yr GSC amount: $465,572 $155,190/yr	James Kronstad	Marco Marra, Steven Jones
Canada Foundation for Innovation	Team Leaders for Genome Sequence Centre *(Equipment grant)*	04/2000 to 03/2002	Total amount: $700,000 (one time amt.)	Marco Marra	Steven Jones
National Cancer Institute of Canada	Identifying Molecular Targets for Prevention and Treatment of Lung Cancer	06/2000 to 06/2003	Total amount: $874,321 $291,440/yr GSC amount: $165,927 $55,309/yr	Stephen Lam	Marco Marra, Wan Lam, Calum MacAulay, and Jean LeRiche
National Institutes of Health (USA) / NCI	A Molecular Classification of Brain Tumors	08/2000 to 01/2003	Total amount: $241,191 USD $80,397/yr ($370,452 CAD $123,484/yr)	Greg Riggins	Marco Marra
National Institutes of Health (USA)/ NCI / SAIC	Full Length cDNA Sequencing Contract #:20XS180	08/16/2000 to 02/29/2004	Total amount: $4,067,426 USD $1,208,659/yr ($6,124,809 CAD) $1,749,945/yr	Marco Marra	Steven Jones

National Institutes of Health (USA) / NIA	Genes with Major Effects on Life Span in *C. elegans* Sub-contract #99154561-1 *(Contract)*	08/01/2000 to 07/31/2007	Total amount: $375,000 USD $75,000/yr ($532,500 CAD $76,071/yr)	Don Riddle	Marco Marra
US Department of Agriculture (USDA)	High Throughput Fingerprinting of BAC Clones to Develop a Bovine Physical Map Agreement #58-5438-0-F143	09/2000 to 08/2003	Total amount: $1,100,000 USD $366,666/yr ($1,665,000 CAD $555,000/yr)	Marco Marra	
Agriculture and Agri-Food Canada	Bovine Genome Project	03/2001 to 03/2004	Total amount: $500,000 $166,666/yr	Stephen Moore	Marco Marra, Steven Jones, and Bernie Benkel
Agriculture and Agri-Food Canada	Sequencing and Evaluation of Random Expressed Sequence Tag (EST) Clones from Wheat Leaf Rust, *Puccinia triticina*, cDNA Libraries	04/2001 to 03/2002	Total amount: $69,850 (one year)	Guus Bakkaren	Steven Jones, Marco Marra, and Guanggan Hu
National Institutes of Health (USA) / NHGRI	Sequencing the Rat Genome	04/2001 to 03/2003	Total amount: $1,192,316 USD $397,438/yr ($1,877,124 CAD $625,708/yr)	John McPherson	Marco Marra
Genome Canada / Genome British Columbia	Genome BC Sequencing and Mapping platform – Competition I, II, Other	10/01/2001 to 12/31/2005	Total amount of Operating & Equipment: $24,260,478 $4,852,095/yr	Marco Marra	
Genome Canada / Genome British Columbia	Cancer Genomics – A multidisciplinary approach to the large-scale high throughput identification of genes involved in early stage cancer	10/01/2001 to 03/31/2006	Total amount: $16,740,911 $3,348,182/yr GSC Amount: $500,850 $111,300/yr	Victor Ling, Marco Marra, and Connie Eaves	Allen Eaves, Richard Gallagher, Keith Humphries, Jaclyn Hung, David Huntsman, Marco Marra,

					Steven Jones, Stephen Lam, Wan Lam, Calum MacAulay, Miriam Rosi, Juergen Vielkind, Jaclyn Hung, Wilf Jeffries, Peter Lansdorp, Nhu Le, James Piret, Neal Poulin, Marianne Sadar, and Isabella Tai
Michael Smith Foundation for Health Research	Supplemental Training Program Award (CIHR: Bioinformatics training for health research) Award #TP-SUP-006011	03/01/2002 to 02/28/2007	Total amount: $300,000 $75,000/yr	Steven Jones	David Baillie, Philip Hieter, Marco Marra, Fiona Brinkman, Jenny Bryan, Anne Condon, Arvind Gupta, Francis Ouellette, and Frederic Pio
Canadian Institutes of Health Research	Bioinformatics Training for Health Research Training Program STP-53919	03/01/2002 to 08/31/2009	Total amount: $2,020,821 $224,535/yr GSC amount: $1,800,000 $225,000/yr	Steven Jones	David Baillie, Phil Hieter, Marco Marra, Fiona Brinkman, Jenny Bryan, Anne Condon, Arvind Gupta, Francis Ouellette, and Frederic Pio
Natural Sciences and Engineering Research Council of Canada	Cloning and Characterization of Inxs and Echinus, Two Genes Involved in Programmed Cell Death in *Drosophila*	04/01/2002 to 03/31/2007	Total amount: $211,400 $42,280/yr	Marco Marra	
Genome Canada / Genome British Columbia	Comparative and Functional Genomics of the Human Pathogen *Cryptococcus neoformans*	07/01/2002 to 03/30/2005	Total amount: $1,079,279 $359,757/yr	James Kronstad	Robert Brunham, Marco Marra, Steven Jones, and Colleen Nelson
Genome Canada / Genome British	Expression Profiles of Cells and Tissues in *C. elegans*	07/01/2002 to 03/31/2005	Total amount: $3,000,000 $1,000,000/yr	David Baillie	Don Moerman, Marco Marra, Steven Jones, Francis

Columbia			GSC Amount: $706,426		Ouellette, Claes Wahlestedt, Erik Sonnhammer, Robert Olafson, Ana Vas Gomes, and Thomas Burglin
Genome Canada / Genome British Columbia	Bioinformatics of Mammalian Gene Expression	07/01/2002 to 03/31/2006	Total amount: $6,134,386 $1,533,596/yr	Steven Jones and Marco Marra	
Canadian Institutes of Health Research	Genomics, Genetics, & Gerontology (G3): A multidisciplinary team for the study of healthy aging	10/2002 to 03/2003	Total amount: $5,000	Marco Marra	Angela Brooks-Wilson
Prostate Cancer Research Foundation of Canada	SAGE Analysis of Androgen-Independent Prostate Cancer	01/2003 to 12/2003	Total amount: $50,000 GSC amount: $0	Marianne Sadar	Marco Marra
Genome Canada	SARS – High throughput sequencing and analysis of an emerging pathogen	03/2003 to 04/2003	Total amount: $58,400	Marco Marra	
National Institutes of Health (USA) / NCI (SAIC)	SAGE Sequencing of Mouse Genome to Develop an Atlas of Gene Expression Sub-contract # 23XS007	04/01/2003 to 03/31/2006	Total amount: $1,000,000 USD $333,333/yr ($1,300,000 CAD $433,333/yr)	Marco Marra	
Canadian Institutes of Health Research	Genomics, Genetics & Gerontology (G3): A multidisciplinary team for the study of healthy aging Grant #: 116074	04/01/2003 to 03/31/2009	Total amount: $1,159,844 $231,969/yr	Marco Marra and Angela Brooks-Wilson	Steven Jones, Nhu Le, Joseph Connors, and Graydon Meneilly
National Institutes of Health (USA) / NHGRI	Improvements in BAC Fingerprinting and End Sequencing Grant #: U01 HG002743-01	04/09/2003 to 11/30/2006	Total amount: $4,316,678 USD $1,438,893/yr	Marco Marra	Steven Jones and Jacqueline Schein

			($5,902,812 CAD $1,987,020/yr)		
British Columbia Government / Michael Smith Foundation for Health Research	SAVI (SARS Accelerated Vaccine Initiative)	05/2003 to 10/2003	Total amount: $2,600,000 GSC amount: $0	Brett Finlay and Robert Brunham	Marco Marra and Caroline Astell
Michael Smith Foundation for Health Research	Institutional Infrastructure Proposal for Health Research for the BCCA *(Infrastructure grant)*	06/2003 to 03/2006	Total amount: $2,198,038 $1,099,019/yr GS amount: $0	Victor Ling	M Bally, D Banerjee, A Brooks-Wilson, K Chi, L Chiu, A Coldman, J Connors, S Dedhar, R Doll, R Durand, A Eaves, C Eaves, R Gallagher, D Garner, R Gascoyne, K Gelmon, D Hogge, R Holt, P Hoodless, K Humphries, D Huntsman, S Jones, A Karsan, R Kay, T Keane, G Krystal, S Lam, W Lam, P Lansdorp, W Linden, V Ling, C MacAulay, D Mager, M Marra, L Mayer, M McBride, N Murray, MB Nelson, S O'Reilly, P Olive, I Olivotto, M Rosin, T Ruth, M Sadar, C Smith, and J Spinelli
Genome Canada / Genome British Columbia	A Quantitative and Comprehensive Atlas of Gene Expression in Mouse Development	07/01/2003 to 03/31/2006	Total amount: $13,195,524 $4,398,508/yr GSC Amount:	Marco Marra and Pamela Hoodless	Elizabeth Simpson, Gregory Riggins, Steven Jones, and Cheryl Helgason

			$4,578,549		
Canadian Institutes of Health Research	SARS: A scientific collaborative to support public health response through vaccination	08/2003 to 08/2004	Total amount: $500,000 GSC amount: $0	Danuta Skowronski	Bob Brunham, David Patrick, **Marco Marra**, Timothy Booth, David Scheifele, Martin Petric, Babak Pourboholoul, Caroline Astell, Lorne Babiuk, Yosssef Av-Gay, William Bowie, Mel Krajden, Steven Jones, Monka Naus, Valencia Remple, James Russell, Christopher Richardson, Raymond Tellier, Lauren Meyesers, Allison McGeer, Theresa Tam, and Michael Drebot
National Institutes of Health (USA) / NHGRI	Sequencing the Mouse Genome (Xenopus full-length cDNA sequencing)	11/01/2003 to 10/31/2004	Total amount: $800,000 USD ($1,040,000 CAD)	Richard Wilson	Marco Marra
National Institutes of Health (USA) / NCI (SAIC)	Creation of a Publicly Available SAGE Dataset from NIH Approved Human ES Cell Lines	12/10/2003 to 05/09/2005	GSC amount: $330,000 USD $165,000/yr ($409,200 CAD)	Marco Marra and Connie Eaves	

National Institutes of Health (USA)	Genomic and Proteomic Analysis of Androgen Independent Prostate Cancer Grant #: 1R01CA105304-01 Time commitment: 4 hrs/wk (or 10%)	04/01/2004 to 02/28/2010	Total amount: $1,078,854 USD $215,770/yr ($1,383,750 CAD $276,750/yr)	Marianne Sadar	Marco Marra, Steven Jones, Yuzhou Wang, and Robert Holt
NCI-FCRDC / SAIC	Mammalian Gene Collection (MGC) Solicitation S03-105 *(Contract)*	06/14/2004 to 09/25/2008	Total amount: $7,566,411 USD $1,891,602/yr	Marco Marra	
Michael Smith Foundation for Health Research	Cancer, the Environment and Occupation (CEO); the program of the Cancer Control Research Unit at the BCCA *(Infrastructure grant)*	07/01/2004 to 03/31/2009	Total amount: $724,311 $160,958/yr GSC Amount: $0	Richard Gallagher	Angela Brooks-Wilson, Marco Marra, Steven Jones, John Spinelli, Nhu Le, and Chris Bajdik
Genome Canada	Bovine Genome Project: Full Insert cDNA Sequencing Plan	08/01/2004 to 07/31/2007	Total amount: $6,046,272 $2,015,424/yr GSC amount: $4,725,523 $1,575,174/yr	Marco Marra, Robert Holt, Steven Jones, and Stephen Moore	
National Institutes of Health (USA)	Optical Systems for In Vivo Molecular Imaging of Cancer	09/01/2004 to 08/31/2009	Total amount: $8,583,213 USD $1,716,642/yr ($10,471,519 CAD) GSC amount: $133,000 USD ($162,260 CAD)	Michael Descour, Rebecca Richards-Kortum, Calum MacAulay, and Konstantin Sokolov	Karen Adler-Storthz, Steven Jones, Stephen Lam, Wan Lam, Peter Lansdorp, Marco Marra, Wadih Arap, Neely Atkinson, Lezlee Coghlan, Michele Follen, Ann Gillenwated, Martial Guillaud, Walter Hittelman, Miaden Korbelik, Brian Korgel, Mia Markey, Renata

					Pasqualini, Miriam Rosin, Krishnendu Roy, and William Satterfield
Genome Canada	Genomic Tools for Diagnosis and Evaluation of Mental Retardation	10/01/2004 to 09/30/2007	Total amount: $5,558,741 $2,779,731/yr GSC amount: $2,117,504 $705,834/yr	Jan Friedman and Marco Marra	Steven Jones, Sylvie Langlois, Patrice Eydoux, Bartha Knoppers, Carlo Marra, and Robert Holt Key personnel: Agnes Baross and Allen Delaney
Genome Canada	A Genomic Approach to the Identification of the Genetic and Environmental Components Underlying Berry Quality in Grapevine	11/01/2004 to 10/31/2007	Total amount: $3,134,481 $1,044,827/yr GSC amount: $890,195 $222,548/yr	Jose Martinez-Zapater, and Stephen Lund	Marco Marra, Steven Jones, Patricia Bowen, Robert Olafson, and Joerg Bohlmann
Genome Canada	Genome BC Sequencing and Mapping Platform (Applied Genomics & Proteomics)	01/05/2005 to 12/31/2007	Total amount: $1,486,231 $495,410/yr	Marco Marra	
National Cancer Institute of Canada	Biology of Cancer: Follicular lymphoma as a model of cancer progression	07/01/2005 to 06/30/2008	Total amount: $3,540,067 $1,180,022/yr GSC amount: $1,892,414 $630,804/yr	Joseph Connors	Randy Gascoyne, Douglas Horsman, and Marco Marra
Canada Foundation of Innovation	CMCP (Canadian Molecular Cytogenetics Platform) *(Equipment grant)*	07/01/2005 to 12/31/2009	Total amount: $11,215,190 $2,803,797/yr GSC amount: $2,500,000 $625,000/yr	Jan Friedman	Marco Marra, Oliver Cohen, Regen Drouin, Bartha Knoppers, Peter Lansdorp, Sabine Mai, Guy Rouleau, Jeremy Squire, and Rosanna Weksberg
Stem Cell NCE & StemCell	Development of Technologies for the Derivation, Propagation and Differentiation of hESC	10/01/2005 to 09/30/2008	Total amount: $1,722,000	James Piret, Mick Bhatia, Connie	Keith Humphries, Aly Karsan, Derek

Technologies			$574,000/yr GSC amount: $74,618 $24,872/yr	Eaves, and Andras Nagy	van deer Kooy, Peter Lansdorp, Stephen Lye, Marco Marra, Derrick Rancourt, Janet Rossant, and Peter Zandstra
Genome British Columbia / Genome Canada	Genome BC: Large-scale High-throughput Genomics Platforms at BCCA – GSC	01/01/2006 to 12/31/2008	Total amount: $8,907,686 $2,969,288/yr	Marco Marra, Steven Jones, and Robert Holt	Asim Siddiqui, Martin Hirst, Inanc Birol, Martin Krzywinski, Allen Delaney, Francis Ouellette, and Jacqueline Schein
Genome Canada	High Resolution Analysis of Follicular Lymphoma Genomes	01/01/2006 to 12/31/2009	Total amount: $9,341,856 $2,335,464/yr	Marco Marra, Joseph Connors, and Randy Gascoyne	Douglas Horsman, Martin Krzywinski, Jacqueline Schein, Robert Holt, Steven Jones, and Carlo Marra
Genome Canada	Dissecting Gene Expression Networks in Mammalian Organogenesis	01/01/2006 to 06/30/2010	Total amount: $7,770,032 $1,726,673/yr	Pamela Hoodless and Marco Marra	Aly Karsan, Cheryl Helgason, Steven Jones, Sidney Katz, and Ed Levy
Vancouver Foundation	Enriching Genomics in High School Science Curricula	07/01/2006 to 11/30/2007	Total amount: $23,500 GSC amount: $0	Sidney Katz	Marco Marra
Michael Smith Foundation for Health Research	BC Clinical Genomics Network (formerly Expression of Interest for a Family Studies Platform) *(Infrastructure grant)*	04/01/2007 to 09/30/2014	Total amount: $3,550,000 $710,000/yr GSC amount: $0	Jan Friedman and Michael Hayden	Laura Arbour, Jehannine Austin, Leigh Field, Sylvie Langlois, Carlo Marra, Marco Marra, and Sian Spacey

Heart and Stroke Foundation of Canada	Dissecting Gene Regulatory Networks in Cardiac Cushion Development	07/01/2007 to 06/30/2010	Total amount: $376,416 $124,472/yr GSC amount: $0	Aly Karsan	Pamela Hoodless, Marco Marra, and Steven Jones
Michael Smith Foundation for Health Research	Model Systems and Cancer Therapeutics *(Infrastructure grant)*	07/01/2007 to 06/30/2011	Total amount: $800,000 $200,000/yr GSC amount: $250,000 $62,500/yr	Philip Hieter	Samuel Aparicio, David Huntsman, Marco Marra, Don Riddle, Michel Roberge, and Ann Rose
National Institutes of Health (USA)	A comprehensive catalog of human Dnasel hypersensitive sites	09/30/2007 to 01/31/2010	Total amount: $15,031,440 USD $110,766/yr Direct cost: $410,704 USD $102,676/yr GSC amount: $0	John Stamato-yannopolous	Marco Marra and Steven Jones
Genome British Columbia	The mountain pine beetle epidemic	01/01/2008 to 12/31/2009	Total amount: $4,063,524 $2,031,762/yr GSC amount: $800,000 $400,000/yr	Joerg Bohlmann and Janice Cooke	Brian Aukema, Colette Breuil, Gary Bull, David Coltman, Richard Hamelin, Robert Holt, Dezene Huber, Steven Jones, Chris Keeling, Martin Luckert, Marco Marra, and Felix Sperling
Genome Canada	Production-scale deployment of next-generation sequencing instruments	04/01/2008 to 03/31/2010	Total amount: $1,912,521 $956,260/yr	Marco Marra, Robert Holt, and Steven Jones	Martin Hirst
Genome Canada	Towards single cell genomics	04/01/2008 to 03/31/2010	Total amount: $1,824,278 $912,139/yr GSC amount: $990,304 $495,152/yr	Carl Hansen and Marco Marra	Samuel Aparicio, Steven Jones, Robert Holt, and Martin Hirst

Canadian Institutes of Health Research	SynTarg Discovery Program: Use of a Genome Wide siRNA Screen To Identify Targets that will Enhance Platinum-Containing Chemotherapy when used in First Line Therapy of Non-Small Cell Lung Cancer	07/01/2008 to 06/30/2011	Total amount: $477,534 $159,178/yr	Marcel Bally	Samuel Aparicio, Steven Jones, Janessa Laskin, and Marco Marra
Canadian Cancer Society Research Institute (formerly National Cancer Institute of Canada)	Biology of Cancer: Insights from Genomic Analyses of Lymphoid Neoplasms **(Grant #: 19001)**	07/01/2008 to 06/30/2013	Total amount: $6,284,994 $1,256,998/yr GSC amount: $2,370,516 $474,103/yr	Joseph Connors, Randy Gascoyne, Douglas Horsman, and Marco Marra	Steven Jones Key personnel: Jacqueline Schein, Martin Hirst, Allen Delaney, and Ryan Morin
National Institutes of Health (USA) - SAIC - Frederick	Sequencing for Discovery of Candidate Mutations in Lymphoma Transcriptomes **(Grant #: 28XS054)** *(Contract)*	07/01/2008 to 06/30/2014	Total amount: $ 14,213,780 USD $2,368,963/yr GSC amount: $10,842,220 USD $1,807,036/yr	Marco Marra	Steven Jones, Martin Hirst
Canadian Breast Cancer Foundation	Alternative spliced genes in CrkRS/Her2 co-amplified breast cancer	09/01/2008 to 08/31/2010	Total amount: $140,000 $70,000/yr	Gregg Morin	Marco Marra
National Institutes of Health (USA)	Integrated epigenetic maps of human embryonic and adult cells **(Grant#: 1U01 ES017154-01**)	09/30/2008 to 06/30/2014	Total amount: $14,075,540 USD $2,815,108/yr GSC amount: $3,890,144 USD $778,028/yr	Marco Marra and Joseph Costello	Steven Jones, Martin Hirst, Robyn Roscoe, Arturo Alvarez-Buylla, Peggy Farnham, Susan Fisher, David Haussler, James Kent, Michael McManus, Thea Tlsty, Ting Wang, Arthur Weiss, Allan Balmain, Pieter De Jong, Joe W. Gray, Gary Karpen, Pui-Yan Kwok, Barbara Panning, Dan

					Pinkel, Mark Segal, Scott VandenBerg, and Keith Yamamoto
US Army Department of Defense	Dissecting genomic and epigenomic heterogeneity in metastatic breast tumors	01/01/2009 to 06/30/2010	Total amount: $301,460 USD $150,730/yr ($317,437 CAD $158,718/yr)	Samuel Aparicio	Marco Marra and Carl Hansen
Genome British Columbia	Genome BC Genomics Platforms at BC Cancer Agency Genome Sciences Centre	01/01/2009 to 06/30/2011	Total amount: $6,471,892 $2,588,756/yr	Marco Marra, Steven Jones, and Robert Holt	Inanc Birol, Allen Delaney, Martin Hirst, Richard Moore, and Jacqueline Schein
Natural Sciences and Engineering Research Council of Canada	Graduate Program in High-Throughput Biology	09/01/2009 to 04/01/2015	Total amount: $1,650,000 $275,000/yr	Stephen Withers	Joerg Bohlmann, Lindsay Eltis, Leonard Foster, Robert Hancock, Carl Hansen, Philip Hieter, Marco Marra, Andre Marziali, and Michel Roberge
Canadian Institutes of Health Research	Bioinformatics Training for Health Research	09/01/2009 to 08/31/2015	Total amount: $1,950,000 $325,000/yr	Steven Jones and Fiona Brinkman	Paul Pavlidis, David Baillie, Anne Condon, Jack (Nansheng) Chen, Wyeth Wasserman, Cenk Sahinalp, Jenny Bryan, and Marco Marra
National Institutes of Health (USA)	Cancer transcriptome characterization using massively parallel DNA sequencing (TCGA) **(Grant#: U24 CA143866)** *(Contract)*	09/29/2009 to 06/30/2016	Total amount: $10,876,230 USD $1,776,158/yr	Marco Marra	Key personnel: Steven Jones, Martin Hirst, Richard Moore, Yongjun Zhao, Allen Delaney, Ryan Morin, Robert Holt, and Robyn Roscoe

Canada Foundation for Innovation	Ultra-high-throughput DNA Sequencing Platform for Large Scale Genome Analysis **(Grant #: 20070)** *(Equipment grant)*	01/01/2010 to 03/31/2016	Total amount: $ 25,810,880 $5,162,176/yr	Marco Marra	Steven Jones, Robert Holt, Samuel Aparicio, David Huntsman, David Baillie, Joerg Bohlmann, Robert Brunham, Philip Hieter, and Jan Friedman
British Columbia Knowledge Development Fund	Ultra-high-throughput DNA sequencing platform for large-scale genome analysis *(Equipment grant)*	02/19/2010 to 03/31/2015	Total amount: (Please refer to CFI grant)	Marco Marra	Steven Jones, Robert Holt, Samuel Aparicio, David Huntsman, David Baillie, Joerg Bohlmann, Robert Brunham, Philip Hieter, and Jan Friedman
Canadian Institutes of Health Research	Massively parallel genomic sequencing for clinical identification of mutations that cause intellectual disability **(Grant #: 211306)**	04/01/2010 to 03/31/2013	Total amount: $450,873 $150,291/yr GSC amount: $316,491 $105,497/yr	Jan Friedman	Cornelius Boerkoel and Marco Marra
California Institute for Regenerative Medicine	Development of Highly Active Anti-Leukemia Stem Cell Therapy (HALT) **(Grant#: DR1-01430)**	04/01/2010 to 03/31/2015	Total amount: $18,859,590 CAD $4,714,897/yr GSC amount: $4,204,507 CAD $1,051,126/yr	Dennis Carson and John Dick	Catriona Jamieson, Jean Wang, Jayne Danska, and Thomas Kipps, **Collaborators:** Thomas Hudson Kelly Fraser and Marco Marra
Canadian Institutes of Health Research	The Terry Fox New Frontiers Program Project Grant in the genomics of forme fruste tumours: new vistas on cancer biology and management **(Grant #: TFF-105265)**	07/01/2010 to 06/30/2013	Total amount: $3,126,365 $1,042,121/yr GSC amount: $486,000	David Huntsman, Samuel Aparicio, Peter Lansdorp, Marco Marra, Torsten Nielsen, Carl	Sohrab Shah, Martin Hirst, and Stephen Yip

				Hansen, Poul Sorensen, and Tully Underhill	
Genome British Columbia	Linking Cholesterol Metabolism, Callousness and Conduct Disorder	09/01/2010 to 08/31/2011	Total amount: $120,770	Cornelius Boerkoel and Marco Marra	Beatrice Golomb, Richard Kelley, and Christele du Souich
Cancer Research Society	Characterizing cell-based models for non-Hodgkin's lymphoma **(Grant #: 15048)**	09/01/2010 to 08/31/2012	Total amount: $119,964 $59,982/yr	Marco Marra	Andrew Mungall and Ryan Morin
BC Cancer Foundation	BC Cancer Foundation Innovation Support Fund-2010 *(Equipment grant)*	01/01/2011 to 03/31/2011	Total amount: $11,977	Marco Marra	
Western Economic Diversification Canada	High throughput DNA sequencers at the BC Cancer Agency Genome Sciences Centre *(Equipment grant)*	02/01/2011 to 03/31/2013	Total amount: $3,935,000 $1,967,500/yr	Marco Marra	
Genome Canada	Genomics Innovation Centre at the BC Cancer Agency	04/01/2011 to 03/31/2013	Total amount: $6,626,905 $3,313,452/yr	Marco Marra, Steven Jones, and Robert Holt	
Ontario Institute for Cancer Research	Strategic Plan Initiative Project - Medulloblastoma Advanced Genomics International Consortium	04/01/2011 to 03/31/2014	Total amount: $299,726 $74,931/yr GSC amount: $215,508 $71,836/yr	Michael Taylor, Marco Marra, and David Malkin	
Canadian Breast Cancer Research Alliance	Genome heterogeneity in predictive models of drug action in triple negative breast cancer	04/01/2011 to 03/31/2015	Total amount: $1,153,953 $288,488/yr	Samuel Aparicio	Stephen Chia, Connie Eaves, Karen Gelmon, Tak Mak, Marco Marra, Montgomery Martin, and Sohrab Shah

National Institutes of Health – SAIC – Frederick	HIV tumour molecular characterization project **(Grant #: 10XS224)** *(Contract)*	07/08/2011 to 05/31/2017	Total amount: $15,690,530 USD $2,615,088/yr	Marco Marra	Steven Jones and Martin Hirst
National Institutes of Health (USA)	RNAseq and miRNA seq for ovarian cancer samples as part of TCGA **(Grant #: 11XS051)** *(Contract*)	07/11/2011 to 07/10/2012	Total amount: $621,103 USD	Marco Marra	
Genome Canada/ Canadian Institutes of Health Research	The Canadian Pediatric Cancer Genomic Consortium: Translating next-generation sequencing technologies into improved therapies for high-risk childhood cancer	07/01/2011 to 09/30/2013	Total amount: $2,827,359 $1,413,679/yr GSC amount: $1,384,135 $692,067/yr	Poul Sorensen, Conrad Fernandez, Cynthia Hawkins, Annie Huang, Nada Jabado, David Malkin, Daniel Sinnett, and Michael Taylor	Guillaume Bourque, Steven Jones, Marco Marra, Alexandre Montpetit, Kirk Schultz, and Stephen Yip
Genome British Columbia	Genomics applied to the management of high-risk AML/myelodysplastic syndromes	07/01/2011 to 03/30/2014	Total amount: $3,113,494 $1,556,747/yr	Aly Karsan and Marco Marra	Donna Hogge, Steven Jones, Keith Humphries, Stuart Peacock, Peter Chow-White, and Andrew Feenberg
Genome Canada	Stratifying and Targeting Pediatric Medulloblastoma Through Genomics (MAGIC)	07/01/2011 to 03/31/2015	Total amount: $9,856,814 $3,285,604/yr GSC amount: $5,244,176 $1,748,059/yr	Marco Marra, Michael Taylor, and David Malkin	Carlo Marra, Donald Mabbott, Steven Jones, Stephen Scherer, Cynthia Hawkins, Eric Bouffet, James Rutka, Jennifer Chan, Jennifer Chan, Stephan Pfister, Gary Bader, Yoon-Jae Cho, Scott Pomeroy, and Stephen Clifford

Canadian Institutes of Health Research	Centre for Epigenome Mapping Technologies	01/01/2012 to 12/31/2016	Total amount: $6,000,000 $1,200,000/yr GSC amount: $5,161,843 $1,032,368/yr	Marco Marra, Martin Hirst, and Steven Jones	Samuel Aparicio, Max Cynader, Connie Eaves, Randy Gascoyne, David Huntsman, Aly Karsan, and Michael Kobor, Joseph Connor, Christian Steidl, Andrew Weng, and Sam Wiseman
Lions Club International Foundation	Lions Club International Foundation Equipment Award *(Equipment grant)*	06/01/2012 to 05/31/2012	Total amount: $147,041	Marco Marra	
Terry Fox Research Institute	Modeling and Therapeutic Targeting of the Clinical and Genetic Diversity of Glioblastoma	07/01/2012 to 06/30/2018	Total amount: $8,178,787 $3,716,846/yr GSC amount: $ 1,858,423 $464,605/yr	Gregory Cairncross	Marco Marra, Steven Jones, Samuel Weiss, Stephen Robbins, David Kaplan, and David Mason
BC Cancer Foundation	Graduate student support for lymphoma research in the ANGELYC project	09/26/2012 to 09/25/2017	Total amount: $125,000 $25,000/yr	Marco Marra and Joseph Connors	
BC Cancer Foundation	BC Cancer Foundation Innovation Support Fund - The Milan and Maureen Ilich Foundation *(Equipment grant)*	12/01/2012 to 03/31/2013	Total amount: $31, 636	Marco Marra and Angela Brooks-Wilson	
NIH-SAIC-Frederick	Molecular characterization and validation of pediatric cancers *(Contract)*	04/01/2013 to 03/31/2015	Total amount: $3,801,971 USD $1,900,985/yr GSC amount: $3,009,173 USD $1,504,586/yr	Marco Marra	

Genome Canada	Genome Canada Science and Technology Innovation Centre 2013	04/01/2013 to 09/30/2015	Total amount: $ 8,983,109 $4,491,554/yr	Marco Marra, Steven Jones, and Robert Holt	
Canada Foundation for Innovation	Compute Canada GSC Node	04/01/2013 to 03/31/2017	Total amount: $942,116 $235,529/yr GSC amount: $711,499 $177,874/yr	Marco Marra	
Genome Canada	Personalized Treatment of Lymphoid Cancer: British Columbia as Model Province	04/01/2013 to 03/31/2018	Total amount: $10,232,800 $2,558,200/yr GSC amount: $ 3,777,648 $944,412/yr	Joseph Connors, Marco Marra, and Randy Gascoyne	Stuart Peacock, Steven Jones, and Christian Steidl
University of British Columbia	Moving the needle for glioblastoma multiforme	07/01/2013 to 06/30/2018	$563,142 $112,628/yr	Marco Marra	Key personnel: Suganthi Chittaranjan
NIH-SAIC-Frederick	Response to Solicitation X13-1093 for additional sequencing in TCGA *(Contract)*	07/03/2013 to 08/15/2014	Total amount: $357,725 USD	Marco Marra	
The Leukemia and Lymphoma Society of Canada	MLL2 interactions in Non-Hodgkin Lymphomas	07/01/2013 to 06/30/2015	Total amount: $120,000 $60,000/yr	Marco Marra	Samuel Aparicio
Terry Fox Research Institute	The Terry Fox New Frontiers Program Project in Molecular Correlates of Treatment Failure in Lymphoid Cancers	07/01/2013 to 06/30/2016	Total amount: $3,885,626 $971,406//yr GSC amount: $1,453,617 $363,404/yr	Randy Gascoyne, Joseph Connors, Marco Marra, Sohrab Shah, and Christian Steidl	Steven Jones

American Association of Cancer Research	Immunogenomics to create new therapies for high-risk childhood cancers	07/01/2013 to 06/30/2017	Total amount: $1,816,044 USD $454,011/yr GSC amount: $348,704 USD $87,176/yr	John Maris, Malcolm Brenner, Donald Parsons, Nabil Ahmed, William Weiss, Stephan Grupp, Javed Khan, Crystall Mackall, Marco Marra, Poul Sorensen, Michael Taylor, and Michael Jensen	
Terry Fox Research Institute	The Terry Fox New Frontiers Program Project in The Genomics of Forme Fruste Tumours: New Vistas on Cancer Biology and Treatment	07/01/2013 to 06/30/2018	Total amount: $7,500,000 $1,500,000/yr GSC amount: $486,000 $97,200/yr	David Huntsman, Samuel Aparicio, Carl Hansen, Martin Hirst, Marco Marra, Gregg Morin, Ryan Morin, Torsten Nielsen, Sohrab Shah, Poul Sorensen, T. Michael Underhill, and Anna Tinker	Stephen Yip, Jessica McAlpine, and Cheng-Han Lee

Canada Foundation for Innovation	Genomics approaches to personalizing cancer diagnosis and treatment *(Equipment grant)*	04/01/2014 to 12/31/2017	Total amount: $14,204,540 $4,734,846/yr GSC amount: $14,140,000 $1,713,333/yr	Marco Marra, Steven Jones, Robert Holt, Aly Karsan, Samuel Aparicio, David Huntsman, Karen Gelmon, Janessa Laskin, Paul Rogers, and Brian Toyota	
National Institutes of Health	Princess Margaret Phase 1 Consortium	04/07/2014 to 02/28/2019	Total amount: $1,756,985 USD $351,397/ yr	Lillian L. Siu, Daniel Sullivan, Sebastian Hotte, and Kim Chi	Key Personnel: Samuel Aparicio, David Huntsman, Steven Jones, Marco Marra, Daniel Renouf, Christian Kollmannsberger, Anna Tinker, and 38 others
Genome Canada	Sequencing Platform at the BC Cancer Agency Genome Sciences Centre-Genomics Innovation Network Node	04/01/2015 to 03/31/2017	Total amount: $2,000,000 $1,000,000/yr	Robert Holt	Marco Marra
Stand-up to Cancer (Canada) / American Association for Cancer Research	Translational development of novel drugs targeting tumor vulnerabilities	09/01/2015 to 08/31/2019	Total amount: $9,000,000 CAD $2,250,000/yr GSC amount: $0	Tak Mak, Samuel Aparicio, Morag Park, Kathleen Pritchard, and Karen Gelmon	Francois Benard, Marco Marra, Sohrah Shah, Montgomery Martin, Stephen Chia, and Wendie den Brok
Genome Canada	Methods and Technology Development at the Sequencing Platform at the BC Cancer Agency Genome Sciences Centre	10/01/2015 to 09/30/2017	Total amount: $2,000,000 $1,000,000/yr	Robert Holt and Marco Marra	Steven Jones, Inanc Birol, Carl Hansen, Robin Coope, Andrew Mungall, Ryan Morin, and Robyn Roscoe
Genome Canada	Automated Tumour Pathology	07/01/2016 to 09/30/2018	Total amount: $409,858 $204,929/yr	Marco Marra and Robin Coope	Calum MacAulay

			GSC amount: $ 363,569 $181,784/yr		

PATENTS:

Patent applications entitled "Novel biomarkers and targets for ovarian carcinoma". Huntsman DG, **Marra M**, Wiegand K, Hirst M, Shah SP. Filed Apr 22, 2011. ***(Applications currently pending in Canada, United States and Brazil. Granted in China and Europe.)***

US application No. 13/123,313 and Canadian application No. 2,740,046 entitled "Detection of Granulosa-Cell Tumors". Huntsman DG, **Marra M**, Hirst M, Morin RD, Shah SP, Senz J. Filing date: Oct 06, 2009. (***Pending)***

Patent applications for "Biomarkers for Non-Hodgkin Lymphomas and Uses Thereof." Morin RD, **Marra MA,** Mungall AJ, Hirst M, Mendez-Lago M, Gascoyne RD, Connors JM.

- Canadian patent application CA 2841142. Filing date: June 23, 2011. ***(Pending)***
- United States continuation patent application No. 13/945439 (published as US 20140024099) Filing date: July 18, 2013. ***(Granted as US patent 9,045,801 on June 2, 2015.)***
- United States Continuation Patent Application No. 14/282,837. Filing date: May 20, 2014. ***(Pending)***

BOOK CHAPTERS

(Note: The names of Dr. Marra's trainees are underlined below.)

1. Firme M and **Marra M**. CIC (capicua transcriptional repressor). ***Atlas Genet & Cytogenet Oncol Haematol.*** Jean-Loup Huret (Editor-in-Chief). 2016, 20(5): 250-255. DOI : 10.4267/2042/62773

2. Zahir FR and Marra MA. Use of Affymetrix Arrays in the Diagnosis of Gene Copy-Number Variation. ***Curr Protoc Hum Genet.*** 2015 Apr 1;85:8.13.11-8.13.13

3. Pon JR and **Marra MA**. Driver and Passenger Mutations in Cancer. ***Annu. Rev. Pathol. Mech. Dis***. Jocelyn Rice (Ed.) Annual Reviews. 2015 Jan 24;10:25–50.

4. Chun HJ, Khattra J, Krzywinski M, Aparicio SA, **Marra MA**. Second-generation sequencing for cancer genome analysis. ***Cancer Genomics: From Bench to Personalized Medicine***. Dellaire GD, Berman JN, Arceci RJ. (Eds). 1st Ed. Elsevier. 2013 Dec. Part 2, pp 13-30.

5. Morin RD and **Marra M**. Transcriptomics in the Age of High-Throughput Sequencing. ***Genomic and Personalized Medicine***. Ginsburg G and Huntington FW (Eds). Elsevier. 2nd Edition. 2012 Oct 30. Vol 1. Chapter 12: 145-155.

6. Morrissy S, Zhao YJ, Delaney A, Asano J, Dhalla N, Li I, McDonald H, Pandoh P, Prabhu A-L, Tam A, Hirst M, **Marra M**. Tag-Seq: Next-generation Tag Sequencing for Gene Expression Profiling. ***Tag-based Next Generation Sequencing***. Harbers M and Kahl G (Eds). Wiley-VCH Verlag & Co. Weinheim, Germany. 2012. Part One, Chapter 13, pp 211-241.

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8. Tucker T, **Marra M**, Friedman JM. Massively Parallel Sequencing. ***Molecular Analysis & Genome Discovery***, Ralph Rapley and Stuart Harbron (Eds.). 2nd Edition. John Wiley & Sons, Ltd. 2011 Oct, pp 114-132.

9. Morin RD, Zhao YJ, Prabhu AL, Dhalla N, McDonald H, Pandoh P, Tam A, Zeng T, Hirst M**, Marra MA**. Preparation and Analysis of MicroRNA Libraries Using the Illumina Massively Parallel Sequencing Technology. ***RNAi and microRNA-Mediated Gene Regulation in Stem Cells. Methods, Protocols, and Applications.*** Zhang, Baohong, Stellwag, Edmund J. (Eds.). 1st Edition. Humana Press Inc. Clifton, New Jersey, USA. 2010 Sep. Vol 650 Part 3, Chapter 14, pp 173-199.

10. Morin RD, Kuchenbauer F, Humphries RK, **Marra MA.** Massively Parallel MicroRNA Profiling in the Haematologic Malignancies. ***MicroRNA Profiling in Cancer: A Bioinformatics Perspective.*** Gusev Y (Ed). Pan Stanford Publishing Pte Ltd. 2010 Oct 01. pp 71-94.

11. Morrissy SA, Zhao YJ, Delaney A, Asano J, Dhalla N, Li I, McDonald H, Pandoh P, Prabhu A-L, Tam A, Hirst M, **Marra MA**. Digital Gene Expression by Tag Sequencing on the Illumina Genome Analyzer. ***Curr Protoc Hum Genet.*** Haines JL, Korf BR, Morton CC, Seidman CE, Seidman JG, and Smith DR (Eds.) John Wiley & Sons, Inc. Hoboken, New Jersey, USA. 2010 Apr 1; Chapter 11:Unit 11.11.1-11.11.36.

12. Pugh TJ and **Marra MA.** Trisomy 9. ***Encyclopedia of Molecular Mechanisms of Disease***. Florian Lang (Ed). Springer, Berlin, Heidelberg. 2009; 1, pp 2112-2113.

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papillomavirus clade-specific epigenome and transcriptome landscapes.

2. De Boeck A, Ahn B-Y, D'Mello C, Lun X, Alsherhi M, Szulzewsky F, Shen Y, Khan L, Dang NH, Reichardt E, Goring K-A, King J, Grinshtein N, Blough MD, Cairncross JG, Yong VW, **Marra MA**, Jones SJM, Kaplan DR, Holland EC, Bose P, Chan JA, Robbins SM, Senger DL. Glioma-derived IL33 orchestrates an inflammatory brain tumor microenvironment that accelerates glioma progression.

3. Laks E, Zahn H, Lai D, McPherson A, Steif A, Brimhall J, Biele J, Wang J, Poon S, Grewal D, Nielsen C, Masud T, Eirew P, Ruiz de Algara T, Lee SR, Taghiyar MJ, Huebner C, Ngo J, Chan T, Vatrt-Watts S, Walters P, Abrar N, Chan S, Wiens M, Martin L, Underhill MT, Coope R, Moore R, Mungall A, **Marra M**, Hansen C, Shah S, Aparicio S. Scalable whole genome sequencing of 40,000 single-cells identifies stochastic aneuploidies, genome replication states and clonal repertoires.

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6. Lavoie J-M, Mitchell T, Lee S-E, Deol B, Chia SK, Gelmon KA, Kollmannsberger CK, Tinker AV, Jones SJM, **Marra M,** Laskin J, Renouf DJ. Patient Selection for a Developmental Therapeutics Program Using Whole Genome and Transcriptome Analysis. ***Invest New Drugs***.

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NON-PEER REVIEWED PUBLICATIONS:

Huse JT, Wallace M, Aldape KD, Berger MS, Bettegowda C, Brat DJ, Cahill DP, Cloughesy T, Haas-Kogan DA, **Marra M**, Miller CR, Nelson SJ, Salama SR, Soffietti R, Wen PY, Yip S, Yen K, Costello JF, Chang S. Where are we now? And where are we going? A report from the Accelerate Brain Cancer Cure (ABC^2) Low-grade Glioma Research Workshop. ***Neuro Oncol***. 2014 Jan;16(2):173-178. doi: 10.1093/neuonc/not229.

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ACADEMIC PRESENTATIONS:

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144. 10th Annual ImmunoBC Retreat. Vancouver, BC. June 10, 2019. "BC Cancer's Personalized Oncogenomics (POG) program: Platforms for patient-oriented discovery."

143. PROOF Centre of Excellence's 10th Anniversary Symposium. University of British Columbia Vancouver, BC. Nov 28, 2018. "Genomic, Data Analytics and Health: Perspective from POG". (Keynote speaker)

142. BC Cancer Summit. Vancouver, BC. Nov 23-24, 2018. "Genome Sciences Centre: Vision and Impact on Cancer Care".

141. Princess Margaret Cancer Centre's Applied Cancer Genomics and Tumor Immunotherapy: A Clinical Perspective Symposium. University of Toronto. Toronto, ON. Nov 16, 2018. "Personalized Oncogenomics (POG): Taking Whole Genomes to the Cancer Clinic". (Keynote speaker)

140. 25th Anniversary of Michael Smith Nobel Prize Award Symposium. University of British Columbia. Vancouver, BC. Oct 1, 2018. "A perspective on the evolution of technology and science at the Genome Sciences Centre".

139. The Centre de recherche du Centre hospitalier de l'Université de Montréal (CRCHUM) Grand Rounds Seminar. Montreal, QC. June 8, 2018. "From cancer genome landscapes to epigenome dysregulation: perspectives on the evolution of genome science".

138. Genome BC's Annual Genomics Forum 2018. Vancouver, BC. May 24, 2018. "Whole genome analysis to support cancer treatment decision making: The Personalized OncoGenomics (POG) Project."

137. The 7th Annual Norman Bethune Symposium. Vancouver, BC. Apr 10, 2018. Whole genome analysis to support cancer treatment decision making: BC Cancer Personalized Oncogenomics (POG) Project".

136. The Ottawa Hospital Research Institute 2017 Research Day. Keynote lecture. Ottawa, ON. Nov 9, 2017. "Whole genome analysis to inform cancer treatment planning".

135 TFRI 8th Annual Scientific Meeting. Marathon of Hope Lecture. Vancouver, BC. Nov 6, 2017. "Genomic approaches to cancer outcomes".

134. Western Canadian Universities Big Data Health Conference. Banff, AB. Sep 28, 2017. "Whole genome

analysis to inform cancer treatment planning".

133. 2nd Annual Fraser Oncology Education Day. Keynote speaker. Surrey, BC. May 27, 2017. "Cancer and The Genome."

132. University of British Columbia, Faculty of Medicine First Annual Graduate Student Research Day. Keynote Lecture. Vancouver, BC. May 26, 2017.

131. BC Tech Summit. Keynote address. Vision of the Industry: How Precision Medicine is Changing Lives Now with Life Changing Stories. Vancouver, BC. Mar 15, 2017.

130. University of British Columbia. Data Analysis and Study Design Workshop Series. Epic Data Group Meeting. Vancouver, BC. Feb 16, 2017. The BC Cancer Agency Personalized Oncogenomics (POG) Project.

129. BC Cancer Agency's Cancer Genomics Education Day. Vancouver, BC. Sep 10, 2016. "Cancer - a disease of the genome".

128. University of Toronto. Princess Margaret Cancer Centre Seminar Series. Toronto, ON. June 9, 2016. "Whole genome analysis to support cancer treatment decision making: the BC Cancer Agency Personalized OncoGenomics (POG) Project".

127. University of British Columbia. Dr. Chew Wei Memorial Prize Lecture. Kelowna, BC. May 27, 2016. "Cancer, It's Personal".

126. University of British Columbia. The Vancouver Institute's Annual UBC Excellence in Research Lecture. Mar 5, 2016. "At the frontier of genetic research: recent advances and future possibilities."

125. NHGRI Seminar Series (Human Genome Project 25th Anniversary). Bethesda, MD. Apr 28, 2016. "From BAC clones to cancer genomes: the role of the HGP in launching a career in science." (lecture delivered via video conference)

124. Keystone Symposia Conference: The Cancer Genome. Banff, AB. Feb 7-11, 2016. "The BC Cancer Agency Personalized OncoGenomics (POG) Project."

123. UBC Radiology Grand Rounds. Vancouver, BC. Jan 13, 2016. "Whole genome analysis to support cancer treatment decision making: the Personalized Oncogenomics (POG) Project."

122. 2015 Dr. Chew Wei Memorial Prize Lecture. BC Cancer Agency. Vancouver, BC. Dec 7, 2015. "An evolving perspective on cancer gene discovery".

121. 2015 Canada Gairdner Symposium-Genomics & Cancer. Vancouver, BC. Nov 17, 2015. "Towards Genomic Medicine for Cancer Populations".

120. HUPO 2015 World Congress. Vancouver, BC. Sep 27, 2015. "Towards Genomic Medicine for Cancer Populations: The BC Cancer Agency Personalized Oncogenomics (POG) Project".

119. Personalized Medicine Summit. Vancouver, BC. June 7-9, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

118. 8th Annual Canadian Cancer Immunotherapy Consortium. Vancouver, BC. May 22, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

117. Memorial University of Newfoundland. St. John's, NL. May 11, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

116. Terry Fox Research Institute 6th Annual Scientific Meeting. St. John's, NL. May 8, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

115. 2015 Beatrice Hunter Cancer Research Institute/TFRI Cancer Research Workshop. St. John's, NL. May 6,

2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

114. 4th Annual Canadian Human and Statistical Genetics Meeting. Vancouver, BC. Apr 20, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

113. University of British Columbia Medical Alumni Association’s Tuum Est: Leading Edge Medicine CME Event. Vancouver, BC. Nov 20, 2014. “Sequencing cancer genomes: where to from here?”

112. University of British Columbia. 4th Annual IOP/BTP/GSAT Research Day. Vancouver, BC. Mar 28, 2014. Opening remarks.

111. BC Cancer Agency Radiation Oncology Rounds. Vancouver, BC. Mar 06, 2014. “DNA sequencing for diagnostics and treatment planning.”

110. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. “Large Scale Cancer Genome Analysis Exposes Significant Roles for the Epigenome in Cancer Progression”.

109. Memorial Sloan-Kettering Cancer Center. Clinical Genomics Seminar Series. New York, NY. June 17, 2013. “Genomic Analysis of non-Hodgkin Lymphomas”.

108. University of Alberta, Department of Oncology. Dr. Carol Cass Lecture in Translational Research in Oncology, Edmonton, AB. May 24, 2013. “Decoding cancers”.

107. Stanford University. 4th Annual Stanford Symposium on Genomics and Personalized Medicine. Stanford, CA. Apr 12, 2013. Keynote speaker. “Next generation cancer sequencing for diagnostics and treatment planning”.

106. University of British Columbia Department of Medicine Research Expo. Vancouver, BC. Oct 30, 2012. “Decoding cancers”.

105. University of Toronto, Faculty of Medicine. DSR Sarma Lectureship in Oncologic Pathology, Toronto, ON. Sep 24, 2012. “Decoding cancers”.

104. McGill University. Lady Davis Institute for Medical Research, Jewish General Hospital. Distinguished Seminar Series. Montreal, QC. June 05, 2012. “Decoding cancers”.

103. University of British Columbia. Keynote Lecture, Pathology Day. Vancouver, BC. May 25, 2012. “Decoding cancers”.

102. University of British Columbia. The 7th Annual Michael Smith Distinguished Research Lecture. Vancouver, BC. Apr 10, 2012. “Sequencing Cancers”.

101. 15th Biennial Canadian Neuro-Oncology Meeting. Vancouver, BC. Feb 10, 2012. “Current Trends and Future Directions in Cancer Genomics”.

100. University of Northern British Columbia. The Cell & Molecular Biology Interest Group Seminar Series. Prince George, BC. Oct 20, 2011. “Searching for mutations that drive cancers: Early experience in the application of ultra high throughput DNA sequencing”.

99. BC Cancer Agency Radiation Oncology Research Symposium. Vancouver, BC. Sep 23, 2011. “Somatic mutations in cancers”.

98. University of British Columbia. Department of Medical Genetics September Welcome. Vancouver, BC. Sep 09, 2011. “Genomics, genes, and cancers of the immune system”.

97. Keystone Symposia: Changing Landscape of the Cancer Genome, Boston, MA. June 22, 2011. “Do Mutations in Histone Modifying Genes Drive B Cell Lymphomas?”

96. University of British Columbia. The Molecular Epigenetics ‘Waddington Lecture’. Vancouver, BC. June 14, 2011. “Do Mutations in Histone Modifying Genes Drive a Common Human Cancer?” Host: Dr.

Carolyn Brown.

95. University of Western Ontario. Dr. Maude L. Menten Lecture Series. London, ON. May 27, 2011. "Do Mutations in Histone Modifying Genes Drive a Common Human Cancer?"

94. University of California San Francisco Helen Diller Family Comprehensive Cancer Center Friday Seminar Series. San Francisco, CA. Apr 08, 2011. "Do Mutations in Histone Modifying Genes Drive a Common Human Cancer?"

93. 15th Annual International Conference on Research in Computational Molecular Biology. Vancouver, BC. Mar 30, 2011. Keynote speaker.

92. University of Calgary. Southern Alberta Cancer Research Institute. Calgary, AB. Jan 14, 2011. "Do Mutations in Histone Modifying Genes Drive a Common Human Cancer?"

91. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 26, 2010. "A Report from the Genome Sciences Centre: Cancer Mutation Discovery".

90. Genome BC 8th Annual Genomics Forum and Research Exchange. Vancouver, BC. May 28, 2010. "Genome Sequencing".

89. The Future of Genomic Medicine III Conference. San Diego, CA. Mar 06, 2010. "Individualized Cancer Genomics".

88. Canadian College of Medical Geneticists 33rd Annual Scientific Meeting, Banff, AB. Nov 14, 2009. Symposium Speaker. "New generation sequencing for genome analysis".

87. The American Society of Human Genetics 59th Annual Meeting, Honolulu, Hawaii. Oct 22, 2009. Session speaker. "Transcriptome sequencing for mutation detection and gene expression profiling".

86. University of British Columbia. Centre for High-Throughput Biology Inaugural Symposium, Vancouver, BC. Sep 18, 2009. "Cancer mutation discovery using genome and transcriptome sequencing".

85. BC Clinical Genomics Network Conference. Vancouver, BC. Apr 20, 2009. "Ultra High-Throughput DNA Sequencing Analysis".

84. 10th Annual Advances in Genome Biology and Technology Conference. Marco Island, FL. Feb 07, 2009. Plenary Speaker. "Sequencing cancer genomes and transcriptomes: from new technology to cancer treatment".

83. Genome Canada Platform Leaders' Meeting. Montreal, QC. Jan 07, 2009. "Next generation sequencing technologies".

82. 7th Annual New Principal Investigators Meeting. Jackson's Point, ON. Nov 09, 2008. "Scaling up genome and transcriptome sequencing".

81. International Cancer Genome Consortium Scientific Workshop. Toronto, ON. Oct 28, 2008. "Scaling up cancer genome and transcriptome sequencing".

80. University of British Columbia. Adventures in Sciences Seminar Series, Vancouver, BC. Oct 16, 2008. "Discovering mutations in cancer cells".

79. Integrating the Physical and Applied Sciences into Health Research Workshop. Ottawa, ON. Oct 03, 2008. "Changing paradigms in genome analysis".

78. BC Cancer Agency Breast Tumour Group Meeting, Vancouver, BC. June 20, 2008. "Next-generation DNA sequencing and cancer genomics."

77. Genome BC Annual Winter Symposium. Vancouver, BC. Jan 22, 2008. "High resolution analysis of follicular lymphoma genomes."

76. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29, 2007. "High resolution approaches for analysis of follicular lymphoma genomes."

75. NCIC's 60th Anniversary Conference. Toronto, ON. Nov 16, 2007. "High-resolution genome rearrangement discovery in follicular lymphoma."

74. International Cancer Genomics Consortium Meeting. Toronto, ON. Oct 1, 2007. Speaker, World Tour Session.

73. Canadian Society of Biochemistry, Molecular & Cellular Biology's 50th Annual Meeting. Montreal, QC. Jul 06, 2007. Merck Frosst Prize Lecture. "High-resolution genome rearrangements discovery in follicular lymphoma".

72. 16th International Congress of Cytology. Vancouver, BC. May 16, 2007. "High-resolution genome rearrangements discovery in follicular lymphoma"**.**

71. Genome BC Genomics Forum and Research Exchange. Vancouver, BC. Apr 13, 2007. "New sequencing technologies."

70. The University of Alabama at Birmingham. Birmingham, AL. Mar 30, 2007. "Mapping genome rearrangements in follicular lymphoma".

69. BC Cancer Agency's Radiation Oncology Academic Rounds. Vancouver, BC. Jan 25, 2007. "Copy Number Variation in the Human Genome: Recent Advances, Candidate Mechanism, and Possible Relevance to Human Disease Research".

68. Cancer Genomics and Emerging Technologies Conference. Cambridge, MA. Oct 02, 2006. "Mapping genome rearrangements in follicular lymphoma".

67. 37th Annual Environmental Mutagen Society Meeting. Vancouver, BC. Sep 18, 2006. Plenary Speaker. "Variation in human genomes and implications for health research".

66. BC Cancer Agency Radiation Oncology Academic Rounds, Vancouver, BC. June 01, 2006. "Tools for Genome Analysis".

65. Canadian Society of Clinical Chemists Annual Conference. Victoria, BC. June 06, 2006. Symposium Speaker. "Variation in human genomes and implications for health research".

64. University of British Columbia. Michael Smith Laboratories Seminar Series. Vancouver, BC. Apr 06, 2006. "A Physical Map of a Follicular Lymphoma Genome". .

63. Advances in Genome Biology and Technology Conference. Marco Island, FL. Feb 2006. "A Physical Map of a Follicular Lymphoma Genome". **(Poster presentation**)

62. Scripps Research Institute. Jupiter, FL. Feb 2006. "A Physical Map of a Follicular Lymphoma Genome". Host: Dr. John Hogenesh.

61. BC Cancer Agency's Lymphoma Group Meeting. Vancouver, BC. Dec 08, 2005. "Towards the Human Cancer Genome Project: A Sequence-Ready Physical Map of a Follicular Lymphoma Genome".

60. 2005 American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 12, 2005. Abstract presentation: "Towards the Human Cancer Genome Project: A Sequence-Ready Physical Map of a Follicular Lymphoma Genome". **(Poster presentation)**

59. BC Cancer Agency's Monday Noon Seminar Series. Vancouver, BC. Nov 2005. "Towards a human cancer genome project: A sequence-ready map of a follicular lymphoma genome".

58. Genome Quebec, Montreal, PQ. May 2005.

57. University of Wisconsin-Madison. Madison, WI. May 2005. "Of Mice and Humans: Digital Gene

Expression Profiling at the British Columbia Cancer Agency Genome Sciences Centre".

56. British Columbia Centre for Disease Control. Vancouver, BC. Apr 2005. "A Strategy for Cloning Genome Rearrangements in Follicular Lymphoma".

55. University of Washington Genome Sciences Department. Seattle, WA. Mar 30, 2005. "A Strategy for Cloning Genome Rearrangements in Follicular Lymphoma".

54. University of British Columbia, Faculty of Medicine. Feb 03, 2005. 2004 NCIC Award for Excellence recipient. "Approaches for Identification and Analysis of Genome Rearrangements in Cancer".

53. National Human Genome Research Institute (NHGRI) Division of Intramural Research, National Institutes of Health. Bethesda, MD. Jan 2005. "Approaches for Identification and Analysis of Genome Rearrangements in Cancer".

52. University of British Columbia. 2004 Genetics Retreat. Vancouver, BC. Oct 21, 2004. Keynote speaker. "An Overview of the GSC".

51. University of British Columbia, Michael Smith Laboratories Official Opening. Vancouver, BC. Sep 2004. Symposium speaker.

50. 47th Canadian Federation of Biological Studies Annual Meeting, First Northern Light Conference. Vancouver, BC. June 18, 2004. Symposium Speaker. "Large-scale gene expression profiling in early mammalian development".

49. National Microbiology Laboratory. Winnipeg, MB. June 2004.

48. University of Northern British Columbia. Prince George, BC. May 2004. "The British Columbia Cancer Agency Genome Sciences Centre". Host: Molecular Biology Interest Group, UNBC.

47. 5th Annual Advances in Genome Biology and Technology Conference. Marco Island, FL. Feb 06, 2004. Plenary Speaker, "Large-scale comparative transcriptome analysis of multiple undifferentiated human embryonic stem cell lines".

46. 5th Annual Advances in Genome Biology and Technology Conference. Marco Island, FL. Feb 05, 2004. Plenary Speaker, "A Functional Genomics Approach to Autophagic Cell Death Gene Discovery".

45. BC Cancer Agency's Medical Oncology Wednesday Seminar Series. Vancouver, BC. Feb 2004. "Genomics and Cancer".

44. BC Cancer Agency, Vancouver Island Centre. Victoria, BC. Jan 2004. "An Update on the Activities at the Genome Sciences Centre".

43. 3rd Annual Western Oncology Winter Conference. Sun Peaks, BC. Feb 2003. Plenary Speaker, "BC experience with the Human Genome Project".

42. University of British Columbia, The Vancouver Institute. Vancouver, BC. Mar 2003. "Genomics Research in BC".

41. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. "What Can SNPs Tell Us About Cancer Susceptibility?"

40. Duke University Medical Centre Seminar Series. Durham, NC. Oct 2003. "The Genome Sciences Centre at the BC Cancer Agency".

39. University of British Columbia, Student Biotechnology Network. Vancouver, BC. Sep 2003. "The British Columbia Cancer Agency Genome Sciences Centre: Sequencing the SARS genome".

38. Genome Canada's National Genomics Conference. Montreal, PQ. Oct 2002. "Bioinformatics of Mammalian Gene Expression".

37. Genome Canada's National Genomics Conference. Montreal, PQ. Oct 2002. "Sequencing and Mapping, Arrays, Proteomics and Bioinformatics Technology Platform".

36. BC Cancer Agency's Medical Oncology and Radiation Oncology Rounds. Vancouver, BC. Sept 2002. "Collaborative Opportunities at the BC Cancer Agency at the Genome Sciences Centre".

35. Annual George M. O'Brien Workshop. Vancouver, BC. June 2002. "The British Columbia Cancer Agency Genome Sequence Centre."

34. Simon Fraser University. Burnaby, BC. May 2002. "An Update on Activities at the British Columbia Cancer Agency Genome Sequence Centre".

33. BC Cancer Agency Vancouver Island Cancer Centre Meeting. Vancouver, BC. Apr 2002. "Collaborative Opportunities at the BC Cancer Agency at the Genome Sciences Centre".

32. BC Cancer Agency Fraser Valley Cancer Clinic. Vancouver, BC. Apr 2002. "Collaborative Opportunities at the BC Cancer Agency at the Genome Sciences Centre".

31. Canadian Bioinformatics Workshop. Vancouver, BC. Feb 20, 2002. "The British Columbia Cancer Agency Genome Sequence Centre – Projects and Prospects".

30. BC Centre for Disease Control. Vancouver, BC. Jan 2002. "An Update on Activities at the British Columbia Cancer Agency Genome Sequence Centre".

29. CIHR (Genetics) and Genome Canada's Joint Workshop on Bioinformatics. Aylmer, PQ. Sep 19, 2001. "Bioinformatics in the Context of a Genome Sequence Centre".

28. XVII World Congress of the International Society for Heart Research. Winnipeg, MB. July 6-11, 2001. "Gene Sequencing and Analysis of Sequence Variation in Human Disease".

27. University of Alberta, Department of Biological Sciences. Edmonton, AB. May 2001. "An Update on Activities at the British Columbia Cancer Agency Genome Sequence Centre."

26. Stem Cell Expression Profiling Workshop: The Stem Cell Network. Toronto, ON. May 2001. "SAGE at the BC Cancer Agency Genome Sequence Centre".

25. University of Calgary, Department of Medical Genetics. Calgary, AB. Apr 2001. "DNA Mapping and Sequencing at the British Columbia Cancer Agency Genome Sequence Centre".

24. Genus Capital Management. Vancouver, BC. Mar 2001. "Genomics – A Report".

23. BC Cancer Agency Annual Clinical Cancer Conference. Vancouver, BC. Nov 2000. "An Update on Activities at the Genome Sequence Centre".

22. Cold Spring Harbor Meeting on Mouse Molecular Genetics. Cold Spring Harbor, NY. Aug 30-Sep 3, 2000. "Fingerprinted BAC Clones for Sequencing the Mouse Genome".

21. University of British Columbia's Biotechnology Retreat, UBC. Vancouver, BC. July 11, 2000. "The Genome Sequence Centre – Projects and Prospects".

20. The Fifth Symposium on Cancer Research: Bridging the Straits of Clinical Cancer Research. Cowichan Bay, BC. Oct 1999. "Genomics Today and Tomorrow".

19. Canadian Association of Medical Oncologists Annual Meeting – "Genes and vaccines". Toronto, ON. Apr 1999. The Human Genome Project: A Platform for Gene Identification.

18. Society of Nematologists Meeting. Monterey, CA. July 609, 1999. "Sequence-based Approaches to Exon Identification in *Caenorhabditis elegans*".

17. 12th Annual Cold Spring Harbor Meeting on Genome Sequencing and Biology. Cold Spring Harbor, NY.

1999. “A Database of Fingerprinted Human BACs”.

16. Fourth International Strategy Meeting on Human Genome Sequencing. Cold Spring Harbor, NY. 1999. “BAC Fingerprinting to Support the International Human Genome Sequencing Project”.

15. Cold Spring Harbor Advanced Genome Sequencing Analysis Course. Cold Spring Harbor, NY. 1999. “Large-Scale High-Throughput Map Construction to Support Genome Sequencing”.

14. Full-length cDNA cloning: A Workshop on Problems and Solutions, Banbury Center, Cold Spring Harbor, NY. 1998.

13. National Cancer Institute (USA) Tumor Gene Index Steering Committee Meeting. St. Louis, WA. 1998. “Full-length cDNA Sequencing at Washington University Genome Sequencing Center”.

12. Mouse Genome Action Plan Workshop. Bethesda, MD. 1998. “A Summary of the Mouse EST Collection”.

11. Arabidopsis Genome Workshop. Cold Spring Harbor, NY. 1997. “Construction of Sequence-Ready Contigs from Fingerprinted BACs”.

10. National Cancer Institute (USA) Tumor Gene Index Steering Committee M eeting. 1997. “ESTs and the Tumour Gene Index”.

9. BC Cancer Agency. Vancouver, BC. 1997. “Large-scale DNA Sequencing and gene discovery: Comparative Genomics, Expressed Sequence Tags and the Human Genome Project”.

8. Nematode Evolution Workshop. Madison, WI. 1997. “Comparing the Genomes of *Caenorhabditis elegans* and *Caenorhabditis briggsae* by Large-Scale DNA Sequencing”.

7. Zebrafish Genome Workshop. Boston, MA. 1997. “Sequence Tags for Different Genomes”.

6. National Human Genome Research Institute, National Institutes of Health (USA). Bethesda, MD. 1997. “The Washington University EST Sequencing Effort”.

5. Molecular Helminthology: An integrated approach. Keynote Symposium on Molecular and Cellular Biology. 1996. “Large-Scale DNA Sequencing and Discovery of *Caenorhabditis elegans* genes”.

4. University of British Columbia. Vancouver, BC. 1996. “The Human Genome Project at Washington University Genome Sequencing Center”.

3. University of Alberta. Edmonton, AB. 1996. “An Update on the *C. elegans* Genome Sequencing Project”.

2. International Quality and Productivity Center Meeting: Gene Function Determination. Washington, D.C. 1996. “Advances in the Identification and Validation of Novel Molecular Targets”.

1. HUGO meeting. Ile des Embiez, France. 1995. “Sequencing and Mapping ESTs”.

PUBLIC OUTREACH PRESENTATIONS:

58. Science Plus-Personalized Genetics for Patient Treatment. Vancouver, BC. May 30, 2017. “The BC Cancer Agency Personalized OncoGenomics (POG) Project”.

57. Presentation. Probus Club of North Shore. West Vancouver, BC. Apr 10, 2017. “The BC Cancer Agency Personalized OncoGenomics (POG) Project”.

56. Presentation. Rotary Club of White Rock. White Rock, BC. Sep 13, 2016.

55. Presentation. World Presidents’ Organization-BC Cancer Agency Meeting. Vancouver, BC. Apr 18, 2016.

54. Presentation. Eric Hamber Secondary School Grade 9 Science Class. Vancouver, BC. Apr 8, 2016.

53. UBC Mini-Med Health Education Series. Kelowna, BC. Oct 27, 2105. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

52. 4th Annual INTERFACE Summit. Vancouver, BC. Sep 30, 2015. “Towards Genomic Medicine for Cancer Populations: The BC Cancer Agency Personalized Oncogenomics (POG) Project”.

51. Northern Health Authority Board Meeting. Prince George, BC. Oct 20, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

50. BC Cancer Foundation Board Meeting. Vancouver, BC. June 3, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

49. Terry Fox Foundation Run Organizer Workshop. Port Coquitlam, BC. May 30, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

48. West Vancouver Community Society’s Forum “Cancer Research in BC - The Courage to Say Cure”. West Vancouver, BC. Mar 31, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

47. PHSA Research Committee Meeting. Vancouver, BC. Feb 25, 2015. “Cancer sequencing for diagnoses and treatment planning: A genomic perspective”.

46. University of British Columbia Board of Governors’ Meeting. Vancouver, BC. Feb 12, 2015 “Cancer sequencing for diagnoses and treatment planning: A genomic perspective”.

45. Michael Smith Foundation for Health Research Board of Directors’ Meeting. Vancouver, BC. Sep 26, 2014. “Canada’s Michael Smith Genome Sciences Centre”.

44 The Leukemia & Lymphoma Society of Canada’s Journey of Hope Event. Vancouver, BC. June 2014. “Genome analysis reveals major tumor suppressors & oncogenes in lymphomas.”

43. BC Cancer Agency’s Lymphoid Education Forum. Vancouver, BC. Apr 4, 2014. “Genome analysis of lymphoma”.

42. Genome BC Board of Directors’ Meeting. June 7, 2013. Vancouver, BC. “Cancer sequencing for diagnoses and treatment planning: A genomic perspective from the BC Cancer Agency”.

41. Illumina 2013 Global Sales Meeting. Whistler, BC. Feb 06, 2013. “Personalized oncogenomics”.

40. Genome BC’s Bringing Genomics Home Event. Prince George, BC. Nov 15, 2012. “Genomics: What is it and why it matters”.

39. BC Cancer Foundation 2011 Inspiration Gala. Vancouver, BC. Oct 2011. “Personalized Medicine Project”.

38. BC Cancer Foundation Annual Donor Recognition Event. Vancouver, BC. Sep 2011.

37. BC Cancer Foundation Inspiration Gala Cocktail Reception. Vancouver, BC. Sep 2011. “Personalized Medicine Project”.

36. The Leukemia & Lymphoma Society of Canada’s Journey of Hope Event. Vancouver, BC. June 2011. “The work –and vision-of the Genome Sciences Centre”.

35. BC Cancer Agency Clinician-Scientist Retreat “Bridging the Bench to the Bedside”. Vancouver, BC. May 06, 2011. Presentation on “The EZH2 Story”.

34. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. May 2011.

33. University of British Columbia. Dr. Donald Riddle Retirement Symposium. Vancouver, BC. Nov 05,

2010. “DNA sequencing for genome analysis”.

32. BC Cancer Foundation Dinner Event. Vancouver, BC. June 2010. Presentation on brain cancer research.

31. The Leukemia & Lymphoma Society of Canada’s Journey of Hope Event. Vancouver, BC. June 2010.

30. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. May 2010.

29. BC Cancer Agency, Lymphoid Cancer Education Forum. Vancouver, BC. Apr 23, 2010. “DNA Mutations in Follicular and Diffuse Large B Cell Lymphomas”.

28. BC Cancer Foundation Dinner Event. Vancouver, BC. Apr 2010. Presentation on lymphoma research.

27. Provincial Health Services Authority Board of Directors Meeting. Langley, BC. Mar 04, 2010. “Genome Analysis for Cancer Mutation Discovery”.

26. Glenwood 2010 Interdisciplinary Seminar Series. Vancouver, BC. Feb 2010. “Cancer Genomics”.

25. BC Cancer Agency, Brain Tumour Symposium, Richmond, BC. Jan 22, 2010. “Cancer Genetics and Brain Tumour”.

24. Vancouver Chinatown and Arbutus Lions Club Meeting. Vancouver, BC. Dec 2009.

23. BC Cancer Foundation Board Meeting. Vancouver, BC. Sep 2009.

22. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. May 2009.

21. BC Cancer Agency’s Bridging the Gulf Between BC Cancer Clinicians and Scientists Retreat. Squamish, BC. Apr 05, 2009. “Cancer genome and transcriptome sequencing”.

20. BC Cancer Foundation Annual Leadership and Legacy Circle Event. Vancouver, BC. Apr 2009.

19. BC Cancer Agency Genome Sciences Centre’s Forum on Genomic Technologies for Cancer Research. “Genomes, Transcriptomes, and Personalized Medicine”. Vancouver, BC. Dec 11, 2008.

18. BC Cancer Agency, Lymphoid Cancer Translational Research Retreat. Vancouver, BC. Oct 31, 2008. “Genomics”.

17. BC Cancer Foundation’s Leadership and Legacy Circle Event. Vancouver, BC. May 2008.

16. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. May 2008.

15. Presentation, “Genomes and Genomics” ~150 Biology high school students, as part of the MORGEN Project Outreach Program. Vancouver, BC. Oct 2007.

14. Genome BC 2007 Board Retreat. Vancouver, BC. July 10, 2007. “Trends in Science and Technology.”

13. Presentation, The Young Presidents' Organization (BC Chapter) “Involved and Engaged, In the Business or Cancer Research” Event. Vancouver, BC. Apr 2007.

12. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. Feb 2007.

11. Simon Fraser University’s Genomics Mini Symposium. Burnaby, BC. Dec 2006. “New opportunities at the Genome Sciences Centre”.

10. Presentation “An Overview of Genomics/Genomics Technology” , ~150 Biology 11 high school students, as part of the MORGEN Project Outreach Program. Vancouver, BC. Nov 2006.

9. Presentation, The Young Presidents' Organization Canadian Council Visit at the BC Cancer Research Centre. Vancouver, BC. May 2006.

8. Probus Club. Surrey, BC. Nov 10, 2004. "Genomics Research in BC".

7. Simon Fraser University. Burnaby, BC. June 2004. Convocation address.

6. BC Research Institute for Children's & Women's Health Mini Med School. "The SARS Coronavirus Genome Sequence". Vancouver, BC. 2003.

5. 1st Annual BC Cancer Foundation Leadership Circle Reception. Vancouver, BC. 2003. "The Importance of Research".

4. Genome British Columbia Board Retreat. Vancouver, BC. 2003. "Maintaining the Momentum – Critical Factors for Genome BC Success".

3. Introduction to Legislative Assembly & Caucus Briefing. Victoria, BC. 2003. "Genomics 101".

2. BC Biotech and First Forward present: Bioinformatics for Biotech Executives. Vancouver, BC. 2002. "Bioinformatics at the BCCA Genome Sciences Centre".

1. Presentation to Canadian Federal Minister of Health Alan Rock. Vancouver, BC. 1999. "Genomics: Prospects and Progress".

MEETING ABSTRACTS AND POSTERS:

1. USCAP 109th Annual Meeting. Los Angeles, CA. Feb 29-Mar 5, 2020. Naso JR,Topham JT, Lee MCK, Kalloger SE, Karasinska JM, Laskin J, Marra MA, Renouf DJ, Schaeffer DF. Association of Inflammatory Cell Infiltrates with Signatures of Immunogenicity in Metastatic Pancreatic Adenocarcinoma.

2. BC Cancer Summit. Vancouver, BC. Nov 21-23, 2019. Chun H-J E, Johann PD, Milne K, Zapatka M, Buellesbach A, Ishaque N, Iskar M, Erkek S, Wei L, Tessier-Cloutier B, Lever J, Titmuss E, Topham J, Bowlby R, Chuah E, Mungall KL, Ma Y, Mungall AJ, Moore RA, Taylor MD, Gerhard DS, Jones SJM, Korshunov A, Gessler M, Kerl K, Hasselblatt M, Frühwald MC, Perlman EJ, Nelson BH, Pfister SM, Kool M, Marra MA. Identification and analyses of extra-cranial and cranial rhabdoid tumour molecular subgroups reveal tumours with cytotoxic T cell infiltration.

3. BC Cancer Summit. Vancouver, BC. Nov 21-23, 2019. Takemon Y, Chittaranjan S, Song J, Chan SY, Lee SD, LeBlanc VG, Marra MA. *In-silico* predictions of synthetic lethal interactions in CIC-mutated cancers.

4. 61st ASH Annual Meeting & Exposition. Orlando, FL. Dec 7-10, 2019. Wei L, Ries R, Plettner P, Mungall K, Mungall A, Meshinchi S, Marra MA. Transcriptome Analysis of Pediatric AML Reveals Non Protein-Coding RNAs Associated with Poor Survival Outcome and Treatment Resistance. **(Poster presentation)**

5. The Canadian Cancer Research Conference. Ottawa, ON. Nov 3-5, 2019. Takemon Y, Chittaranjan S, LeBlanc VG, Lee SD, Song J, Chan SY, Marra MA. Application of *in-silico* predictions of synthetic lethal interactions in CIC-mutated cancers.

6. The Canadian Cancer Research Conference. Ottawa, ON. Nov 3-5, 2019. Porter VL*, Gagliardi A*, Mungall AJ, Bowlby R, Titmuss, Zong SZ, Chan S, Mungall K, Novik K, Gerhard DS, Marra MA. *co-first author. Human papillomavirus displays clade-specific epigenome and transcriptome dysregulation in cervical carcinomas.

7. 43rd CCMG Annual Scientific Conference. Niagara Falls, ON. June 22-25, 2019. Thibodeau ML, Dixon K, O'Neill K, Krzywinski M, Reisle C, Mungall K, Shen Y, Lim H, Fok A, Sun S, Schaeffer D, Cremin C, Chia S, Young S, Pleasance E, Pleasance S, Pandoh P, Mungall A, Moore R, Karsan A,

Laskin J, Marra M, Schrader K, Jones S. Characterization of germline structural variants in moderate-high penetrance hereditary cancer genes in the Personalized OncoGenomics cohort.

8. 15th International Conference on Malignant Lymphoma. Lugano, Switzerland. June 18-22, 2019. Mottok A, Hung SS, Chavez EA, Woolcock B, Telenius A, Chong LC, Meissner B, Nakamura H, Gascoyne RD, Connors JM, Ben Neriah S, Mungall A, Marra MA, Siebert R, Scott DW, Savage KJ, and Steidl C. Integrative genomic analysis identifies key pathogenic concepts in primary mediastinal large B-cell lymphoma.

9. BC Cancer Research Day. Vancouver, BC. June 17, 2019. LeBlanc VG, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched patient-derived organoids using single-cell RNAseq.

10. BC Cancer Research Day. Vancouver, BC. June 17, 2019. Luthra I, LeBlanc VG, Shen Y, Culibrk L, Corbett R, Cairncross JG, Marra MA. Genomic and Transcriptomic analysis of a long-term oligodendroglioma survivor with positive response to radiation-free chemotherapy.

11. BC Cancer Research Day. Vancouver, BC. June 17, 2019. Porter V*, Gagliardi A*, Mungall AJ, Titmuss E, Bowlby R, Zong SZ, Namirembe C, Griner N, Allen H, Bowen J, Chan S, Darragh T, Dyer M, Ma Y, Mungall KL, Nakisige C, Novik K, Orem J, Origa M, HTMCP Cervical Working Group, Gastier-Foster J, Yarchoan R, Casper C, Mills G, Rader J, Ojesina A, Gerhard DS, Marra MA. *co-first author. Human papillomavirus displays clade-specific epigenome and transcriptome dysregulation in cervical carcinomas.

12. BC Cancer Research Day. Vancouver, BC. June 17, 2019. Takemon Y, Chittaranjan S, Lee SD, LeBlanc VG, Song J, Chan SY, Marra MA. Application of in-silico predictions of synthetic lethal interactions in CIC-mutated cancers.

13. BC Cancer Research Day. Vancouver, BC. June 17, 2019. Wei L, Ries RE, Trinh D, Meshinchi S, Marra MA. Single cell RNA sequencing of pediatric AML reveals treatment-associated clonal dynamics.

14. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Zhao EY, Feng X, Pleasance ED, Ng TL, Grewal J, Mohammad N, Taylor SK, Simmons CE, Srikanthan A, Rassekh SD, Deyell R, Shen Y, Titmuss E, Lim HJ, Renouf DJ, Gelmon KA, Yip S, Jones SJM, Marra MA, Laskin JJ. The Whole Genome Landscape of Adult Metastatic Sarcoma.

15. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. LeVasseur N, Csizmok V, Bonakdar M, Shen Y, Zibrik L, Zhao EY, Sun S, Gelmon KA, Laskin JJ, Marra MA, Chia SKL. Whole transcriptome sequencing in metastatic cancer – A review of expression outliers in 113 metastatic breast cancer patients.

16. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Lavoie J-M, Csizmok V, Wang G, Williamson L, Marra MA, Laskin JJ, Jones SJM, Renouf DJ, Kollmannsberger CK. Whole genome and transcriptome analysis (WGTA) of metastatic adrenocortical carcinoma (mACC).

17. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Tsang ES, Grisdale CJ, Pleasance ED, Yip S, Tessier-Cloutier B, Mungall K, Ng TL, Sun S, Lim HJ, Renouf DJ, Laskin JJ, Marra MA, Jones SJM, Loree JM. Uncovering Clinically Relevant Gene Fusion Events with Integrated Genomic and Transcriptomic Profiling.

18. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Lee M, Jones MR, Williamson L, Topham JT, Wong H-L, Addison S, Denroche R, Jang GH, Karasinska J, McGhie JP, Gill S, Lim HJ, Yip S, Knox JJ, Gallinger S, Laskin JJ, Marra MA, Jones SJM, Schaeffer DF, Renouf DJ. Comprehensive genomic analysis of metastatic pancreatic ductal adenocarcinoma (mPDAC) reveals a significant proportion of clinical actionable aberrations.

19. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Mendis SR, Topham JT, Titmuss E, Williamson L, Pleasance ED, Culibrk L, Karasinska J, Liu SL, Lee M, Aird J, Moore RA, Mungall AJ, Laskin JJ, Jones SJM, Marra MA, Schaeffer DF, Renouf DJ, Loree JM. Comprehensive transcriptome

analysis reveals link between epigenetic dysregulation, endogenous retrovirus expression and immunogenicity in metastatic colorectal carcinoma.

20. 15th ICGC -ARGO Scientific Workshop. Glasgow, UK. May 27-29, 2019. Nelson J, Zibrik, L, Carstairs, C, Fok A, Sauve K, Roscoe R, Laskin J, Marra M. Collaborative Publication Process in the Personalized Onco-Genomics Program.

21. 15th ICGC -ARGO Scientific Workshop. Glasgow, UK. May 27-29, 2019. Weymann D, Laskin J, Marra MA, Regier DA. Early-stage economic evaluation of whole-genome and transcriptome analysis to guide advanced cancer care.

22. 15th ICGC -ARGO Scientific Workshop. Glasgow, UK. May 27-29, 2019. Wilson JM, Denroche RE, Dodd A, Hutchinson S, Ramotar S, Chadwick R, Liang S-B, Masoomian M, Lungu I, Bartlett JMS, Notta F, Zhang A, Jang GH, Kryzanowski P, Lam B, Topham J, Lee M, Williamson L, Bonakdar M, Jones M, Marra M, Nelson J, Taylor G, Metcalfe A, Warren C, Karasinska J, Wang Y, Schaeffer D, Tang P, Fischer SE, Goodwin R, Spratlin J, Bathe O, Biagi J, Zogopolous G, Tehfe M, Renouf D, O'Kane GM, Knox JJ, Gallinger S. Enhanced Pancreatic Cancer Profiling for Individualized Care (EPPIC): An ICGC-ARGO Project.

23. Keystone Symposia: 3D Genome. Banff, AB. Mar 17-21, 2019. Porter VL, Topham JT, Trinh DL, Gagliardi A, Jin D, Huff RD, Mungall AJ, Lorzadeh A, Moksa M, Hirst M, Marra MA. Global enhancer dysregulation in histone methyl-transferase KMT2D mutant cells. **(Poster presentation)**

24. The 2019 Gastrointestinal Cancers Symposium, San Francisco, CA. Jan 17-19, 2019. Lee M, Jones MR, Williamson L, Topham JT, Addison S, Wong H-I, Denroche R, Jang GH, Karasinska J, McGhie JP, Gill S, Lim HJ, Yip S, Knox JJ, Gallinger S, Laskin JJ, Marra MA, Jones SJM, Sschaeffer DF, Renouf DJ. Comprehensive genomic analysis of metastatic pancreatic ductal adenocarcinoma (mPDAC) reveals a significant proportion of clinical actionable aberrations.

25. 60th ASH Annual Meeting & Exposition. San Diego, CA. Dec 1-4, 2018. Ennishi D, Jiang A, Boyle M, Collinge B, Grande BM, Ben-Neriah S, Slack GW, Farinha P, Mottok A, Meissner B, Saberi S, Bashashati A, Villa D, Savage KJ, Sehn LH, Kridel R, Marra MA, Shah SP, Steidl C, Connors JM, Gascoyne RD, Morin RD, Scott DW. The double-hit gene expression signature defines a clinically and biologically distinct subgroup within GCB-DLBCL.

26. Cell Symposia: TCGA Legacy: Multi-Omic Studies in Cancer Symposium. Washington, DC. Sep 27-29, 2018. Lavoie J-M, Mitchell T, Lee S-E, Deol B, Jones S, Marra M, Laskin J, Renouf DJ. Patient Selection for a Developmental Therapeutics Program Using Multi-Omics.

27. 18th International Symposium on Pediatric Neuro-Oncology. Denver, CO. June 30-July 3, 2018. Johann P, Chun E, Erkek S, Iskar M, Perlman E, Hasselblatt M, Pfister SM, Marra M, Kool M. Whole genome and epigenome characterization links ATRT-MYC to a subgroup of renal rhabdoid tumors. ***(Neuro-Oncol. 2018 Jun;20:29 Suppl 2)***

28. Inaugural AACR International Meeting Advances in Malignant Lymphoma: Maximizing the Basic-Translational Interface for Clinical Application. Boston, MA. June 22-26, 2018. Ennishi D, Takata K, Beguelin W, Duns G, Mottok A, Farinha P, Bashashati A, Saberi S, Meissner B, Boyle M, Ben-Neriah S, Kridel R, Savage KJ, Sehn LH, Morin RD, Marra MA, Shah SP, Connors JM, Gascoyne RD, Scott DW, Melnick AM, Steidl C. MHC class II expression is associated with a distinct mutational profile and immune cell landscape in the microenvironment in Germinal Center B-Cell-like Diffuse Large B-Cell Lymphoma.

29. BC Cancer Research Day. Vancouver, BC. June 11, 2018. Culibrk L, Grewal J, Pleasence ED, Jones MR, Mungall KL, Laskin L, Marra MA, Jones SJM. TC-seqR: A statistical framework for estimation of tumour purity and ploidy from whole genome sequencing data.

30. American Society of Clinical Oncology Annual Meeting. Chicago, IL. June 1-5, 2018. Zhao EY, Pleasance ED, Jones MR, Shen Y, Reisle CR, Mungall AJ, Moore R, Zhao YJ, Renouf DJ, Laskin JJ, Marra MA, Jones SJM. Evolution of Genomic Instability in Metastatic Cancer.

31. American Society of Clinical Oncology Annual Meeting. Chicago, IL. June 1-5, 2018. Thibodeau ML, Zhao EY, Bonakdar M, Taylor G, Reisle C, Mungall AJ, Williamson L, Nelson BH, Ergin EK, Ng T, Renouf DJ, Lim HJ, Marra MA, Laskin J, Jones SJM, Schrader KA. Genomic profiling and mutational signatures associated with the germline deletion polymorphism APOBEC3A_B in diverse cancer types.

32. Genome BC's Annual Genomics Forum 2018. Vancouver, BC. May 24, 2018. Culibrk L, Grewal J, Pleasence ED, Jones MR, Mungall KL, Laskin J, Marra MA, Jones SJM. TC-seqR: A statistical framework for estimation of tumour purity and ploidy from whole-genome sequencing data.

33. 107th Annual Meeting of the United States and Canadian Academy of Pathology. Vancouver, BC. Mar 17-23, 2018. Tessier-Cloutier B, Grewal J, Jones M, Pleasance E, Zhong EZ, Mungall K, Lee TH, Cai E, Sheffiled B, Lee CH, Hoang L, Skinnider B, Smith T, Schaeffer D, Lee AF, Ng T, Ionescu D. Nielsen T, Dunham C, Jones S, Laskin J, Marra M, Yip S. Genomic Integrative Pathology: A Large Scale Tumour Next Generation Sequencing Initiative. ***(Mod Pathol. 2018 Mar;31:708)***

34. 18th Biennial Canadian Neuro-Oncology Meeting. Banff, AB. May 10 - 12, 2018. LeBlanc VG, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq.

35. 15th Annual European Neuroendocrine Tumor Society Conference. Barcelona, Spain. March 7-9, 2018. Yang KC, Wong H, Shen1 Y, Colborne S, Kalloger S, Karasinska J, Laskin J, Morin GB, Marra MA, Schaeffer DF, Renouf DJ, Gorski SM. Molecular Characterization of Primary and Metastatic Pancreatic Neuroendocrine Tumors.

36. The 17th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Moore RA, Shen Y, Pleasance E, Jones M, Mungall KL, Thiessen N, Ma Y, Mungall AJ, Zhao YJ, Yip S, Lim H, Renouf D, Roscoe R, Jones SJM, Laskin J, Marra MA. Utilization of Whole Genome Analysis Approaches for Personalized Therapy Decision Making in Patients with Advanced Malignancies. **(Poster presentation)**

37. The 17th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Mungall AJ, Bleile D, Mungall1 KL, Chong L, Jones M, Ma Y, Moore RA, Connors J, Jones SJM, Laskin JJ, Steidl C, Scott DW, Marra MA. Recurrent raftlin gene fusions in cancer. **(Platform presentation)**

38. The 17th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Zhao YJ, Pandoh P, McDonald H, Corbett RD, Alcaide M, Kirk H, Haile S, Trinh E, Bilobram S, Jones M, Miller D, Coope R, Mungall AJ, Ma Y, Moore R, Roscoe R, Jones S, Holt R, Karsan A, Morin R, Marra MA. A rapid, high throughput protocol for characterization of circulating tumour DNA isolated from plasma and whole blood. **(Poster presentation)**

39. The 17th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Jones M, Shen Y, Pleasance E, Zhao E, Mungall K, Mungall A, Moore R, Ma Y, Jones S, Laskin J, Marra MA. Whole genome and transcriptome analysis in a metastatic cancer clinical setting. **(Poster presentation)**

40. The 17th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Coope RJN, Schlosser C, Corbett R, Pleasance S, Ma Y, Zhao YJ, Mungall A, Moore R, Tessier-Cloutier B , Marra MA. Automated Tissue Mapping and Microdissection for Large Scale Tumour Enrichment. **(Poster presentation)**

41. The 17th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Shen Y, Jones MR, Pleasance E, Mungall K, Thiessen N, Ma Y, Moore RA, Mungall AJ, Zhao YJ, Yip S, Lee AF, Laskin J, Rassekh R, Deyell R, Marra MA, Jones SJM. Bioinformatic Integration of Whole Genome Sequencing and RNA Sequencing for Personalized Therapy Decision Making in Pediatric Cancer. **(Poster presentation)**

42. Society for Laboratory Automation and Screening Conference. San Diego, CA. Feb 3-7, 2018. Haile S,

Pleasance S, Zhan H, Laks E, LeBlanc V, Trinh D, Chittaranjan S, Hansen C, Aparicio S, Marra M, Coope R. Nano-Well Based Single Cell Whole Genome and Whole Transcriptome Sequencing.

43. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Wei L, Trinh D, Meshinchi S, Marra MA. Single cell transcriptome analysis reveals changing levels and distributions of stemness across disease states in pediatric AML. **(Poster presentation)**

44. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Collinge B, Chong L, Ben-Neriah S, Slack GW, Ennishi D, Mottok A, Farinha P, Boyle M, Meissner B, Gerrie A, Villa D, Savage KJ, Sehn LH, Morin RD, Mungall A, Gascoyne RD, Marra MA, Connors JM, Steidl C, Scott DW. Mutations in exon 2 of *MYC* and the N11S polymorphism disrupt the relationship between *MYC* mRNA and MYC IHC results in diffuse large B-cell lymphoma.

45. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Grande, BM, Gerhard DS, Griner NB, Casper C, Namirembe C, Omoding A, Orem J, Mbulaiteye SM, Mullighan CG, Sandlund JT, Alexander T, Choi JK, Abramson JS, Gross TG, Noy A, Bethony J, Greiner TC, Jaffe ES, Harris NL, Gastier Foster JM, Bowen J, Allen H, Schmitz R, Wilson W, Martin JP, Martin MR, Irvin JD, Dyer M, Gesuwan P, He Y, Davidsen TM, Novik K, Mungall AJ, Ma Y, Marra MA, Morin RD, Staudt LM. Burkitt Lymphoma Genome Sequencing Project (BLGSP): Integrative Genomic and Transcriptomic Characterization of Burkitt Lymphoma.

46. 9th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Jiang A, Grande BM, Arthur SE, Alcaide M, Ennishi D, Jessa S, Pararajalingam P, Meissner B, Boyle M, Chong L, Lai D, Davidson J, Bushell KR, Shah S, Mungall A, Gascoyne RD, Marra M, Steidl C, Connors J, Scott D, Morin D. Identification of recurrent non-coding driver mutations in non-Hodgkin lymphomas through integrative genomic analysis of 777 patients.

47. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Ries RE, Smith JL, Triche Jr. T, Farrar J, Alonzo T, Ma Y, Wei L, Guidry-Auvil J, Smith M, Gerhard D, Bolouri H, Meshinchi S. Cancer Testis Antigens as Immuno-therapeutic Targets in Pediatric AML.

48. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Chong L, Ben-Neriah S, Slack GW, Ennishi D, Mottok A, Collinge B, Farin ha P, Boyle M, Meissner B, Kridel R, Gerrie A, Villa D, Savage KJ, Sehn LH, Morin RD, Gascoyne RD, Marra MA, Connors JM, Mungall A, Steidl C, Scott DW. High-resolution architecture and partner genes of *MYC* rearrangements in lymphoma with DLBCL morphology.

49. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Arthur SA, Mottok A, Alcaide M, Rushton C, Grande B, Ennishi D, Davidson J, Bushell KR, Gascoyne RD, Marra M, Connors J, Morin G, Scott D, Steidl C, Morin RD. Functional Investigation of the Gene *NFKBIZ* and the Impact of 3'UTR Mutations in Diffuse Large B-Cell Lymphoma.

50. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Ennishi D, Mottok A, Farinha P, Chan FC, Bashashati A, Saberi S, Meissner B, Boyle M, Ben-Neriah S, Kridel R, Savage KJ, Sehn LH, Morin RD, Marra MA, Shah SP, Connors JM, Gascoyne RD, Scott DW, Steidl C. Genetic Characterization and Clinical Impact of Loss of MHC Class I and II Expression in *de novo* Diffuse Large B-cell Lymphoma.

51. 4th Canadian Conference on Epigenetics. Whistler, BC. Nov 26-29, 2017. Pellacani D, Bilenky M, Kannan N, Heravi-Moussavi2 A, Knapp DJHF, Gakkhar S, Moksa M, Carles A, Moore R, Mungall A, Marra MA, Jones SJM, Aparicio S, Hirst M, Eaves CJ. Identification of frequently mutated regulatory regions in human breast cancer.

52. 22nd Annual Scientific Meeting and Education Day of the Society for Neuro-Oncology. San Francisco, CA. Nov 15-19, 2017. Wong D, Lounsbury K, LeBlanc V, Chittaranjan S, Marra M, Yip S. Exploring the functional relationship between Capicua (CIC) and Ataxin-1-like (ATXN1L) in glioma. ***(Neuro-***

Oncology. 2017 Nov;19:52 (Supp 6).

53. AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics. Boston, MA. Nov 5-9, 2017. Shen Y, Jones MR, Pleasance E, Bonakdar M, Ch'ing C, Reisle C, Williamson L, Majounie E, Taylor G, Chan S, Song Y, Pierce B, Zhang W, Zadeh A, Zhao E, Bleile D, Mungall K, Thiessen N, Chuah E, Wong T, Corbett R, Ma Y, Moore RA, Mungall AJ, Zhao YJ, Yip S, Lee AF, Rassekh R, Deyell R, Lim H, Renouf D, Roscoe R, Jones SJM, Laskin J, Marra MA. Clinical application of whole genome and transcriptome sequencing in cancer care.

54. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Chun H-JE, Johann PD, Bilenky M, Lim E, Heravi-Moussavi A, Cheng Dean, Cheng Y, Wong T, Chuah E, Thiessen N, Ma Y, Gerhard DS, Mungall AJ, Moore RA, Jones SJM, Perlman EJ, Hirst M, Huang A, Kool M, Marra MA. Extra-cranial malignant rhabdoid tumours exhibit molecular similarities to the MYC-subgroup of cranial AT/RTs. **(Poster presentation)**

55. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Wei L, Lim E, Trinh D, Meshinchi S, Marra M. Single cell transcriptome analyses of paediatric AML reveals disparate gene expression patterns across disease states. **(Poster presentation)**

56. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Titmuss E, Lim H, Ng T, Milne K, Nelson B, Marra M. Angiotensin Receptor Blocker as a Potential Immunotherapy in Colorectal Cancer. **(Poster presentation)**

57. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Topham JT, Trinh D, Gagliardi A, Huff RD, Mungall AJ, Schein J, Marra MA. Comprehensive and Integrative Analysis of the KMT2D Regulome. **(Poster presentation)**

58. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. LeBlanc VG, Trinh D, Hughes M, Kelly J, Marra MA. Exploring cellular subpopulations in primary GBM and GBM-derived organoid models.

59. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Pearson H, Pleasance E, Scott B, Titmuss E, Jones M, Zong S, Sipahimalani P, Ma Y, Holt R, Jones S, Yip S, Lim H, Renouf D, Marra M, Laskin J. Genomic biomarkers of response to checkpoint inhibitor immunotherapy in the Personalized OncoGenomics cohort.

60. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Shen Y, Lai YY, Bose P, Lever J, Grisdale C, Grinshtein N, Zhao E, Ma Y, Mungall AJ, Moore RA, Senger DL, Robbins SM, Luchman HA, Weiss S, Chan JA, Blough MD, Cairncross G, Kaplan D, Marra MA, Jones SJM. Comprehensive genomic profiling of matched glioblastoma tumours, cell-lines, and xenografts.

61. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Lever J, Grinshtein N, Shen Y, Lai YY[1], Bose P, Grisdale C, Zhao E, Ma Y, Mungall AJ, Moore RA, Senger DL, Robbins SM, Luchman HA, Weiss S, Chan JA, Blough MD, Cairncross G, Kaplan D, Marra MA, Jones SJM. Identifying drug resistance markers in glioblastoma cell-lines.

62. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Wong D, Lounsbury K, LeBlanc V, Chittaranjan S, Marra M, Yip S. Exploring the Functional Relationship between Capicua (CIC) and Ataxin-1-like (ATXN1L) in Oligodendroglioma.

63. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Grewal J, Gakkhar S, Ma Y, Zhao YJ, Mungall A, Moore R, Lim H, Renouf D, Gelmon K, Yip S, Laskin J, Marra M, Jones SJM. Using machine learning to identify the site of origin of metastatic tumours.

64. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Wang YK, Bashashati A, Anglesio M, Cochrane D, Grewal D, Ha G, McPherson A, Horlings H, Senz J, Prentice L, Karnezis A, Lai D, Aniba M, Zhang A, Shumansky K, Siu C, Wan A, McConechy M, Li-Chang H, Tone A, Provencher D,

Provencher M, Fleury H, Okamoto A, Yanagida S, Yanaihara N, Saito M, Mungall A, Moore R, Marra M, Gilks B, Mes-Masson A-M, McAlpine J, Aparicio S, Huntsman D, Shah S. Genomic consequences of aberrant DNA repair mechanisms stratify ovarian cancer histotypes.

65. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Weymann D, Laskin J, Roscoe R, Schrader KA, Chia S, Yip S, Cheung WY, Gelmon KA, Karsan A, Renouf DJ, Marra M, Regier DA. The costs of translating whole-genome analysis into clinical practice in oncology.

66. 42nd European Society for Medical Oncology Congress. Madrid, Spain. Sep 8-12, 2017. Lim HJ, Schrader KA, Young S, Nelson J, Fok A, Pleasance E, Jones M, Shen YQ, Armstrong L, Virani A, Rassekh SR, Deyell R, Yip S, Roscoe R, Karsan A, Marra M, Laskin JJ. Management of germline findings revealed throughout the course of tumor-normal whole genome sequencing in oncology.

67. International Human Epigenome Consortium (IHEC) Annual Meeting & Science Days 2017. Berlin, Germany. Oct 12-14, 2017. Heravi-Moussavi A, Bilenky M, Gakkhar S, Carles A, Brooks D, Parker J, Brown CJ, Karimuddin AA, Phang PT, Raval M, Filipenko D, Ma Y, Moore R, Mungall A, Marra1 MA, Jones SJM, Karsan A, Hirst M. miR-92b expression is a marker of the CpG island methylator phenotype in colorectal cancer.

68. Pancreatic Diseases. Gordon Research Conference. Waterville Valley, NH. June 18-23, 2017. Yang K, Wong H-l, Shen Y, Colborne S, Hughes C, Kalloger S, Loree J, Kennecke H, Schaeffer D5, Lim H, Mungall A, Feng X, Davies J, Schrader K, Zhou C, Karsan A, Laskin J, Morin G, Marra M, Renouf D, Gorski S. Molecular characterization of metastatic pancreatic neuroendocrine tumours.

69. 53rd Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. June 2-6, 2017. Lim HJ, Schrader KA, Young S, Nelson J, Fok A, Pleasance E, Jones M, Shen YQ, Armstrong J, Virani A, Rassekh SR, Deyell R, Yip S, Roscoe R, Karsan A, Marra MA, Laskin JJ. Management of germline findings revealed throughout the course of tumor-normal whole genome sequencing in oncology. ***(Journal of Clinical Oncology. 2017 May 20;35 (Supp 15).***

70. 53rd Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. June 2-6, 2017. Tsang ES, Shen YQ, Chooback N, Ho C, Jones M, Renouf DJ, Him HJ, Sun S, Yip S, Pleasance E, Ma Y, Zhao YJ, Mungall AN, Moore R, Jones S, Marra M, Laskin JJ. Clinical outcomes after whole genome sequencing in patients with metastatic non-small cell lung cancer. ***(Journal of Clinical Oncology. 2017 May 20;35 (Supp 15).***

71. 53rd Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. June 2-6, 2017. Chooback N, Ho C, Shen Y, Tsang ED, Zhao YJ, Mungall AJ, Moore R, Lim HJ, Renouf DJ, Gelmon KA, Yip S, Jones S, Laskin J, Marra M. Whole genome and transcriptome sequencing of lung cancer: Options for personalized cancer treatment. ***(Journal of Clinical Oncology. 2017 May 20;35 (Supp 15).***

72. AACR Annual Meeting 2017. Washington, DC. Apr 1-5, 2017. Ennishi D, Bashashati A, Saberi S, Mottok A, Meissner B, Boyle M, Ben-Neriah S, Kridel R, Savage KJ, Sehn LH, Connors JM, Morin RD, Marra MA, Shah SP, Steidl C, Scott DW, Gascoyne RD. Integrative genetic analysis identifies therapeutic relevance of cell of origin-specific genetic alterations in diffuse large B-cell lymphoma.

73. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Gerhard DS, Grande B, Griner N, Corey C, Gerdts SE, Omoding A, Orem J, Mbulaiteye SM, Ogwang MD, Reynolds SJ, Bhatia K, Ayers L, Choi JK, Mullighan CG, Sandlund JT, Alexander TB, Abramson JS, Gross TG, Noy A, Bethony J, Leal F, Greiner TC, Jaffe ES, Harris NL, Gastier-Foster JM, Bowen J, Hanf B, Schmitz R, Martin J-P, Martin M-R, Irvin JD, Miller E, Gesuwan P, Hermida LC, Davidsen TM, Mungall AJ, Ma Y, Marra MA, Morin RD, Staudt LM. Burkitt Lymphoma Genome Sequencing Project (BLGSP): Introduction. **(Poster presentation)**

74. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Triche TJ, Jr., Farrar JE, Bolouri H, Ries RE, Lim EL, Alonzo TA, Ma Y, Moore R, Mungall A, Marra

MA, Guidry Auvil JM, Davidsen TM, Gesuwan P, Hermida LC, Kolb EA, Gamis AS, Smith MA, Piccolo S, Gernard DS, Meshinchi S. Divergent epigenomes in pediatric and adult acute myeloid leukemia implicate cell of origin and transcriptional silencing of immune responses as sources of clinically relevant heterogeneity: A Report from the Children's Oncology Group and NCI/COG Therapeutically Applicable Research to Generate Effective Treatments (TARGET) Initiative. **(Oral presentation)**

75. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Chan FC, Kridel R, Mottok A, Boyle M, Farinha P, Tan K, Meissner B, Bashashati A, McPherson A, Roth A, Shumansky3 K, Yap D, Ben-Neriah S, Rosner J, Smith MA, Nielsen C, Telenius A, Ennishi D, Mungall AJ, Moore R, Morin RD, Johnson NA, Sehn LH, Connors JM, Scott DW, Steidl C, Marra MA, Gascoyne RD, Shah SP. Divergent Modes of Tumor Evolution Underlie Histological Transformation and Early Progression of Follicular Lymphoma. **(Oral presentation)**

76. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Tarlock K, Kaeding AJ, Alonzo TA, Loken MR, Ries RE, Pardo L, Gerbing R, Farrar JE, Guidry Auvil JM, Gerhard DS, Smith MA, Davidsen TM, Gesuwan P, Hermida LC, Marra MA, Mungall AJ, Mungall K, Ma Y, Zong S, Long W, Gamis AS, Kolb EA, Meshinchi S. Discovery and Validation of Cell-Surface Protein Mesothelin (MSLN) As a Novel Therapeutic Target in AML: Results from the COG/NCI Target AML Initiative. **(Poster presentation)**

77. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Alexander TB, Gu Z, Choi JK, Loh ML, Horan J, Buldini B, Basso G, Elitzur S, Zwaan CM, de Haas V, Yeoh AEJ, Reinhardt D, Tomizawa D, Lammens T, De Moerloose B, Zhou Li, Hori H, Moorman AV, Moore AS, Hrusak O, Meshinchi S, Orgel E, Devidas M, Hunger SP, Guidry Auvil JM, Smith MA, Davidsen TM, Hermida LC, Gesuwan P, Marra MA, Ma Y, Mungall AJ, Moore R, Gerhard DS, Cao X, Shi L, Pounds S, Inaba H, Mullighan C. Genomic Landscape of Pediatric Mixed Phenotype Acute Leukemia. **(Oral presentation)**

78. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Mottok A, Chong L, Ben-Neriah S, Woolcock B, Zhao YJ, Marra MA, Scott DW, Gascoyne RD, Mungall AJ, Steidl C. Characterization of Genomic Rearrangements Involving CIITA and SOCS1 Using Targeted Capture Sequencing of Archival Tissue Specimens. **(Poster presentation)**

79. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Farrar JE, Bolouri H, Ries RE, Triche TJ, Jr., Lim EL, Alonzo TA, Ma Y, Moore R, Mungall AJ, Marra MA, Guidry Auvil J, Davidsen TM, Gesuwan P, Hermida LC, Kolb EA, Gamis AS, Smith MA, Gerhard DS, Meshinchi S. Marked Differences in the Genomic Landscape of Pediatric Compared to Adult Acute Myeloid Leukemia: A Report from the Children's Oncology Group and NCI/COG Therapeutically Applicable Research to Generate Effective Treatments (TARGET) Initiative. **(Oral presentation)**

80. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Kridel R, Chan FC, Mottok A, Boyle M, Farinha P, Tan K, Meissner B, Bashashati A, Ben-Neriah S, Gine E, Ennishi D, Mungall AJ, Morin RD, Johnson NA, Sehn LH, Tousseyn T, Dogan A, Connors JM, Scott DW, Steidl C, Marra MA, Gascoyne RD, Shah SP. Targeted Sequencing Reveals Novel Gene Mutations Associated with Transformation and Early Progression in Follicular Lymphoma. **(Poster presentation)**

81. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Ennishi D, Bashashati A, Saberi S, Mottok A, Meissner B, Boyle M, Ben-Neriah S, Kridel R, Dominguez-Sola D, Savage KJ, Sehn LH, Connors JM, Morin RD, Marra MA, Shah SP, Steidl C, Scott DW, Gascoyne RD. Frequent Genetic Alterations of PI3K-AKT Pathway and Their Clinical Significance in Germinal Center B-Cell-like Diffuse Large B-Cell Lymphoma. **(Oral presentation)**

82. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Ries RE, Bolouri H, Farrar JE, Lim EL, Triche TJ, Jr., Tarlock K, Guidry Auvil J, Hirsch BA, Raimondi SC, Ma Y, Marra MA, Aplenc R, Guest EM, Kolb EA, Gamis AS, Smith MA, Gerhard DS, Meshinchi S.

Alteration of Chromatin Modifiers and Misregulation of Transcription Factors Define the Genomic Profile of Infant AML. **(Oral presentation)**

83. 2016 CSCI-CITAC Annual Scientific Meeting. Toronto, ON. Nov 212-23, 2016. Zhao EY, Shen Y, Pleasance E, Kasaian K, Jones M, Ch'ng C, Reisle C, Eirew P, Mungall KL, Thiessen N, Ma Y, Fok A, Mungall AJ, Zhao YJ, Moore RA, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Sun S, Schrader KA, Young S, Karsan A, Roscoe R, Laskin J, Marra MA, Jones SJM. Guiding Platinum-based Chemotherapy in Breast Cancer with a Somatic Mutation Signature of Homologous Recombination Deficiency.

84. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. LeBlanc VG, Firme M, Chan SY, Song J, Lee A, Yip S, Chittaranjan S, Marra MA. Investigating the role of CIC mutations in malignancy.

85. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Wong D, LeBlanc V, Chittaranjan S, Chan S, Song J, Lee MH, Marra M, Yip S. Functional Investigations of CIC and ATXN1L in Oligodendroglioma.

86. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Chun H-JE, Heravi-Moussavi A, Carles A, Wong T, Chuah E, Gerhard DS, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Extra-Cranial Malignant Rhabdoid Tumors Exhibit Heterogeneous DNA Methylation and Histone 3 Lysine 27 Trimethylation Profiles.

87. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. MacLeod T, Brooks D, Pandoh P, Haile S, Corbett RD, Smailus D, Tsao P, McDonald H, Kirk H, Bala M, Miller D, Mungall AJ, Coope R, Ma Y, Moore R, Zhao Y, Holt R, Jones S, and Marra MA. An Automated miRNA Library Construction Protocol Capturing a Greater Diversity of miRNA Species.

88. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Weymann D, Laskin J, Roscoe R, Schrader KA, Chia S, Yip S, Cheung WY, Gelmon KA, Karsan A, Renouf DJ, Marra M, Regier DA. Cost and cost-trajectory of whole-genome analysis to guide treatment of patients with advanced cancers.

89. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Grewal J, Gakkhar S, Ma Y, Zhao Y, Mungall A, Moore R, Lim H, Renouf D, Gelmon K, Yip S, Laskin J, Marra M, Jones SJM. Using machine learning to identify site of origin of metastatic tumours.

90. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Lai YYY, Shen Y, Grinshtein N, Lever J, Zhao E, Ma Y, Mungall A, Moore R, Senger D, Robbins S, Luchman H, Weiss S, Chan J, Blough M, Cairncross G, Kaplan D, Marra M, Jones S. Identification of Therapeutic Targets in Glioblastoma Multiforme.

91. 2016 Till & McCulloch Meetings. Whistler, BC. Oct 24-26, 2016. Pellacani D, Bilenky M, Kannan N, Heravi-Moussvi A, Knapp D, Gakkhar S, Moksa M, Carles A, Moore R, Mungall A, Marra M, Jones S, Aparicio S, Hirst M, Eaves C. Human mammary cell transcription factor networks predicted from analyses of differences in enhancer states.

92. ASHG 2016 Annual Meeting. Vancouver, BC. Oct 18-22, 2016. Weymann D, Laskin L, Roscoe R, Marra M, Schrader K, Chia S, Yip S, Cheung W, Gelmon K, Karsan A, Renouf D, Regier DA. The cost and cost-trajectory of whole-genome analysis to guide treatment of patients with advanced cancers.

93. ASHG 2016 Annual Meeting. Vancouver, BC. Oct 18-22, 2016. Shen YQ, He A, Zhang W, Thiessen N, Ma Y, Mungall AJ, Moore RA, Gibson W, Marra MA, Jones SJM. Identification of causal genes for rare genetic disorders using whole genome and whole exome sequencing.

94. ASHG 2016 Annual Meeting. Vancouver, BC. Oct 18-22, 2016. Zhao EY, Shen YQ, Pleasance E, Kasaian K, Jones M, Ch'ng C, Reisle C, Eirew P, Mungall KL, Thiessen N, Ma Y, Fok A, Mungall AJ, Zhao YJ, Moore RA, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Sun S, Schrader

KA, Young S, Karsan A[5], Roscoe R, Laskin J, Marra MA, Jones SJM. Guiding Platinum-based Chemotherapy with a Somatic Mutation Signature of BRCA1/2 Impairment.

95. ASHG 2016 Annual Meeting. Vancouver, BC. Oct 18-22, 2016. LeBlanc VG, Firme M, Chan SY, Song J, Lee A, Yip S, Chittaranjan S, Marra MA. Investigating the role of *CIC* mutations in malignancy.

96. 48th Congress of the International Society of Paediatric Oncology (SIOP). Dublin, Ireland. Oct 19–22, 2016. Ooms AHAG, Gadd S, Gerhard DS, Smith MA, Gaidry Auvil JM, Meerzaman D, Ma M, Marra MA, Huff V, Dome JS, Chi YY, Geller JI, Mullighan CG, Wheeler DA, Hampton OA, Van den Heuvel-Eibrink MM, De Krijger RR, Ross N, Gastier-Foster JM, Perlman EJ. Prognostic Impact of TP53 Mutation Status in Wilms Tumors with Diffuse Anaplasia. ***(Pediatr Blood & Cancer. 2016 Nov;63 Suppl S34-S35)***

97. 48th Congress of the International Society of Paediatric Oncology (SIOP). Dublin, Ireland. Oct 19–22, 2016. Gu Z, Liu Y, Roberts K, Shao Y, Harvey R, Chen IM, Valentine M, Pei D, Marra M, Larsen E, Spinelli O, Minden M, Fielding A, Bhatia R, Stock W, Konopleva M, Willman C, Loh M, Hunger S, Mullighan C. Recurrent MEF2D Fusions Define A New Subtype of Acute Lymphoblastic Leukemia Associated with Older Age at Diagnosis and Poor Outcome. ***(Pediatr Blood & Cancer. 2016 Nov;63 Suppl S14-S15)***

98. Epigenomics in Development and Disease - CEEHRC Annual Meeting. Vancouver, BC. Sep 18-21, 2016. Pellacani D, Bilenky M, Kannan N, Heravi-Moussvi A, Knapp D, Gakkhar S, Moksa M, Carles A, Moore R, Mungall A, Marra MA, Jones SJM, Aparicio S, Hirst M, Eaves C. Derivation of transcription factor networks from analyses of active enhancer states in different subsets of normal human mammary cells.

99. Cold Spring Harbor Laboratory Meeting on Epigenetics & Chromatin. New York, NY. Sep 13-17, 2016. Chun H-JE, Heravi-Moussavi A, Carles A, Wong T, Chuah E, Gerhard DS, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Extra-cranial malignant rhabdoid tumors exhibit heterogeneous DNA methylation and histone 3 lysine 27 trimethylation profiles. **(Poster presentation)**

100. IHEC Science Days and Annual Meeting. Brussels, Belgium. Sep 7-9, 2016. Eaves CJ, Pellacani D, Bilenky M, Kannan N, Heravi-Moussavi A, Knapp DJHF, Gakkhar S, Moksa M, Carles A, Moore R, Mungall A, Marra MA, Jones SJM, Aparicio S, Hirst M. Molecular determinants of functionally distinct normal human mammary cell types.

101. 16th IUBMB Conference. Vancouver, BC. July17-21, 2016. Jones SJM on behalf of BC Cancer Agency's Personalized OncoGenomics Project. Cancer Genomics and Personalized Medicine **(Platform presentation)**

102. ISMB 2016. Orlando, FL. July 8-12, 2016. Topham J, Gagliardi A, Marra M. Genomic analysis of primary tumors identifies association between KMT2D mutation status and genome instability. **(Poster presentation)**

103. 2016 ASH Meeting on Lymphoma Biology. Colorado Springs, CO. June 18-21, 2016. Kridel R, Chan FC, Mottok A, Boyle M, Farinha P, Tan K, Meissner B, Bashashati A, McPherson A, Roth A, Shumansky K, Yap D, Ben-Neriah S, Rosner J, Smith MA, Gine E, Telenius A, Ennishi D, Mungall A, Moore R, Morin RD, Johnson NA, Sehn LH, Tousseyn T, Dogan A, Connors JM, Scott DW, Marra MA, Gascoyne RD, Shah SP. Clonal Dynamics Shaping Histological Transformation and Progression in Follicular Lymphoma Clinical Histories.

104. 2016 ASH Meeting on Lymphoma Biology. Colorado Springs, CO. June 18-21, 2016. Mottok A, Chong LC, Ben-Neriah S, Woolcock BW, Zhao YJ, Marra MA, Scott DW, Gascoyne RD, Mungall AJ, Steidl C. Characterization of genomic rearrangements involving *CIITA* and *SOCS1* using targeted capture sequencing of archival tissue specimens.

105. 17th International Symposium on Pediatric Neuro-Oncology. Liverpool, England. June 12-15, 2016. Garzia L, Morrissy AS, Marra M, Taylor M. Divergent Clonal Selection Dominates Medulloblastoma at

Recurrence. ***(Neuro-Oncol. 2016 Jun;18:119 (Supp 3))***

106. 17th International Symposium on Pediatric Neuro-Oncology. Liverpool, England. Kijima N, Garzia L, Morrissy A, Donovan L, Wu XC, Luu B, Ramaswamy V, Peacock J, Lopez-Holgado B, Wang X, Cavalli F, Roider A, Shih D, Skowron P, Lee J, Michealraj A, Malkin D, Fults D, Marra M. Taylor M. June 12-15, 2016. Functional roles of CCL2 in medulloblastoma leptomeningeal metastasis. ***(Neuro-Oncol. 2016 Jun;18:98 (Supp 3)).***

107. ASCO Annual Meeting. Chicago, IL. June 3-7, 2016. Wong H-L, Jones M, Eirew P, Karasinska J, Schrader KA, Lim HJ, Shen YQ, Jones S, Yip S, Laskin JL, Schaeffer DF, Marra M, Renouf DJ. Comprehensive genomic analysis in metastatic pancreatic ductal adenocarcinoma (PDAC). ***(ASCO Annual Meeting Proceedings. 2016; 34 (4_suppl): 285)***

108. TFRI 7th Annual Scientific Meeting. Vancouver, BC. May 12-14, 2016. Chun H-JE, Moussavi A, Carles A, Wong T, Chuah E, Schein JE, Gerhard DS, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Extra-cranial malignant rhabdoid tumours exhibit heterogeneous DNA methylation and gene expression profiles.

109. TFRI 7th Annual Scientific Meeting. Vancouver, BC. May 12-14, 2016. Topham J, Gagliardi A, Huff RD, Trinh DL, Mungall AJ, Schein J, Marra MA. *KMT2D* loss of function is associated with increased mutational load and down regulation of genes involved in DNA damage response pathways.

110. AACR 107th Annual Meeting. New Orleans, LA. Apr 16-20, 2016. Gadd A, Walz A, Ooms A, Huff V, Gerhard D, Smith M, Guidry Auvil J, Meerzaman D, Ma Y, Marra M, Dome J, Mullighan C, Wheeler D, Hampton O, Gastier-Foster J, Ross N, Perlman E. The Genetic Landscape of Wilms tumor. ***(Cancer Res. 2016 Jul;76:80 (Suppl 18))***

111. AACR 107th Annual Meeting. New Orleans, LA. Apr 16-20, 2016. Wong H-L, Karasinska J, Jones M, Eirew P, Schrader K, Lim H, Shen YQ, Jones S, Yip S, Laskin J, Marra M, Schaeffer DF, Renouf D. Gene expression analysis demonstrates prognostic subtypes in metastatic pancreatic ductal adenocarcinoma (PDAC).

112. AACR 107th Annual Meeting. New Orleans, LA. Apr 16-20, 2016. Laskin J, Shen YQ, Renouf D, Jones M, Lim H, Fok A, Ho C, Deol B, Gelmon K, Chia S, Moore R, Mungall A, Yip S, Jones S, Marra M. Restrictions on access to systemic therapy limit the application of whole genome sequencing in clinical care.

113. AACR 107th Annual Meeting. New Orleans, LA. Apr 16-20, 2016. Schrader KA, Chu'ng C, Zhao E, Wong H, Shen Y, Jones M, Thomson T, Lim H, Young S, Cremin C, Holt R, Eirew P, Karasinska J, Schein J, Zhao YJ, Mungall A, Moore R, Ma Y, Fok A, Roscoe R, Yip S, Mitchell G, Karsan A, Jones S, Schaeffer D, Laskin J, Marra M, Renouf D. Genomic analysis of pancreatic ductal adenocarcinoma in a patient with MUTYH-associated Polyposis.

114. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 11, 2016. Goya R, Meyer IM, Aparicio SA, Marra MA. Profiling Alternative Splicing in Triple Negative Breast Cancer Subgroups.

115. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 11, 2016. LeBlanc VG, Firme M, Song J, Lum A, Chan SY, Chittaranjan S, Yip S, Marra MA. Oncogenic CIC mutations in oligodendrogliomas deregulate mitogen-activated protein kinase signaling.

116. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 11, 2016. Topham J, Gagliardi A, Trinh DL, Huff RD, Mungall AJ, Schein J, Marra MA. *KMT2D* loss of function is associated with increased mutational load and down regulation of genes involved in DNA damage response pathways.

117. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 11, 2016. Couse MH, Dias C, Shen Y, Zahir FR, Townsend K, Marra MA, Jones SJ, Friedman JM. Non-coding variation in patients with Aicardi Syndrome. **(Poster presentation)**

118. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Chong CC, Mottok A, Twa DDW, Ben-Neriah S, Chan FC, Kirk H, McDonald H, Pandoh P, Zhao YJ, Coope R, Ma Y, Moore R, Shah SP, Scott DW, Gascoyne RD, Marra MA, Steidl C, Mungall AJ. Detection of genomic rearrangements in archival lymphoma tissues using targeted capture sequencing.

119. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Moore RA, Shen Y[1], Kasaian K, Leelakumari S, Pleasance E, Eirew P, Jones M, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Tsang P, Mungall AJ, Zhao YJ, Yip S, Gelmon K, Lim H, Renouf D, Tinker A, Sun S, Roscoe R, Jones SJM, Laskin J, Marra MA. Whole Genome and Transcriptome sequencing for Personalized Cancer Therapy: Lessons learned from first 300 cases.

120. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Ma Y, Craig DW, Nasser S, Corbett R, Chan S, Long W, Murray L, Legendre C, Tembe W, Enriquez D, Adkins J, Kim N, Wong S, Baker A, e Pond S, Mungall AJ, Moore R, Pleasance E, Jones S, McDaniel T, Marra M, Carpten JD, Liang WS. Benchmarking a cancer genome sequencing pipeline using a new reference standard.

121. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Coope R, Smailus D, Tsao P, Haile S, Pandoh P, McDonald H, MacLeod T, Kirk H, Zhao YJ, Mungall AJ, Hirst M, Marra M. One Method to Rule Them All: Harmonized Robotic Library Construction for Seven Sample Types.

122. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Zhao YJ, Merhu S, Tsao P, Corbett R, MacLeod T, Pandoh P, McDonald H, Kirk H, Smailus D, Bala M, Miller D, Ma Y, Coope R, Mungall A, Moore R, Hirst M, Holt RA, Jones SJM, Marra MA. An Automated and Streamlined Strand-specific RNA-Seq Pipeline Allows High Throughput Processing of Low Input Samples.

123. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Zhao EY, Shen Y, Pleasance E, Kasaian K, Leelakumari S, Jones M, Bose P, Ch'ng C, Reisle C, Eirew P, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Mungall AJ, Zhao YJ, Moore RA, Wilson S, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Renouf D, Sun S, Schrader KA, Roscoe R, Laskin J, Marra MA, Jones SJM. BRCA-Related Genomic Signature Predicts Clinical Improvement with Cisplatin.

124. Gastrointestinal Cancers Symposium. San Francisco, CA. Jan 21-23, 2016. Wong HL, Jones M, Eirew P, Karasinska J, Schrader KA, Lim HJ, Shen YQ, Jones S, Yip S, Laskin JJ, Marra M, Schaeffer DF, Renouf DJ. Comprehensive genomic analysis in metastatic pancreatic ductal adenocarcinoma (PDAC). ***(J. Clin. Oncol.2016 Feb;34(4):285 (Suppl S))***

125. Annual Canadian MD/PhD & CIP Trainee Conference. Toronto, ON. Nov 23-25, 2015. Zhao EY, Shen Y, Pleasance E, Kasaian K, Leelakumari S, Jones M, Bose P, Ch'ng C, Reisle C, Eirew P, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Mungall AJ, Zhao YJ, Moore RA, Wilson S, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Renouf D, Sun S, Schrader KA, Roscoe R, Laskin J, Marra MA, Jones SJM. A BRCA-Related Genomic Signature Associated With Clinical Improvement On Cisplatin.

126. 5th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 16, 2015. Haile S, McDonald H, Pandoh P, Corbett R, Kirk H, Tsao P, Smailus D, Bilobram S, MacLeod T, Jones M, Bala M, Hirst M, Miller D, Moore R, Mungall A, Schein J, Steidl C, Ma Y, Coope R, Zhao YJ, Holt R, Jones S, Marra MA. A Streamlined, High Throughput and Automated Suite of Protocols for Extraction and Total RNA/gDNA Sequencing of Formalin-Fixed Paraffin-Embedded Clinical Specimens.

127. Cell Symposia: Human Genomics. Singapore. Nov 8-10, 2015. Lim EL, Trinh DL, Ries R, Ma Y, Hughes M, Gerhard DS, Alonzo TA, Arceci RJ, Meshinchi S, Marra MA. Comprehensive sequence analysis of relapse and refractory pediatric acute myeloid leukemia identifies miRNA and mRNA transcripts associated with treatment resistance. **(Poster presentation)**

128. Cell Symposia: Human Genomics. Singapore. Nov 8-10, 2015. Chun HJ, Lim EL, Heravi-Moussavi A, Saberi S, Mungall KL, Bilenky M, Jones SJM, Perlman EJ, Hirst M, Marra MA. Genome-wide profiles of

extra-cranial malignant rhabdoid tumours reveal molecularly distinct subgroups with dysregulated developmental pathways. **(Poster presentation)**

129. AACR Precision Medicine Series: Integrating Clinical Genomics and Cancer Therapy. Salt Lake, UT. June 13-16, 2015. Bose P, Pleasance E, Jones M, Shen YQ, Ch'ng C, Reisle C, Schein JE, Mungall A, Moore R, Ma Y, Sheffield BS, Thomson T, Rasmussen S, Lee C, Yip S, Marra MA, Laskin J, Ho C, Jones SJM. Integrated genome analysis of a recurrent ghost cell odontogenic carcinoma. ***(Clin Cancer Res. 2016 Jan 1;22 Suppl 1)***

130. Personalized Medicine Summit. Vancouver, BC. June 7-9, 2015. Zhao E, Shen Y, Pleasance E, Kasaian K, Leelakumari S, Jones M, Bose P, Eirew P, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Mungall AJ, Zhao YJ, Moore RA, Wilson S, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Renouf D, Sun S, Schrader I, Roscoe R, Laskin J, Marra MA, Jones SJM. Searching for Targetable Mutation Signatures in a Mixed Cancer Cohort.

131. Personalized Medicine Summit. Vancouver, BC. June 7-9, 2015. Deyell R, Rassekh SR, Shen Y, Lee A, Dunham C, Yip S, Virani A, Armstrong L, Laskin J, Marra M. Pediatric personalized oncogenomics (PedsPOG) – initial outcomes.

132. BC Cancer Agency Research Day. Vancouver, BC. June 11, 2015. Pon J, Wong J, Saberi S, Moksa M, Hirst M, Marra M. Transcriptional regulation by MEF2B affects mediators of cell proliferation, migration and epithelial to mesenchymal transition.

133. Clinician Investigator Program Annual Research Fellows Day, University of British Columbia. Vancouver, BC. June 5, 2015. Zhao E, Shen Y, Pleasance E, Kasaian K, Leelakumari S, Jones M, Bose P, Eirew P, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Mungall AJ, Zhao YJ, Moore RA, Wilson S, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Renouf D, Sun S, Schrader I, Roscoe R, Laskin J, Marra MA, Jones SJM. Searching for Targetable Mutation Signatures in a Mixed Cancer Cohort.

134. Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. May-June 2015. Koyoma T, Jones S, Utro F, Ma Y, Rhrissorrakrai K, Shen YQ, Carmeli J, Jones M, Waks Z, Pleasance E, Norel R, Moore R, Bilal E, Mungall AJ, Beaty K, Schein J, Michelini VV, Marra M, Royyuru A, Laskin J. Implementation of Watson genomic analytics processing to improve the efficiency of interpreting whole genome sequencing data on patients with advanced cancers. ***(J Clin Oncol. 2015 May 20; 33 (15) Suppl S)***

135. The American Society of Pediatric Hematology/Oncology's 28th Annual Meeting. Phoenix, AZ. May 6-9, 2015. Rassekh S, Deyell R, Shen YQ, Lee A, Dunham C, Virani A, Armstrong L**,** Morin R, Yip S, Pleasance E, Jones M**,** Schein J, Mungall A, Zhao YJ, Moore R, Ma Y, Jones S, Laskin J, Marra, M. Pediatric personalized oncogenomics (PedsPOG) - initial outcomes. ***(Pediatr Blood & Cancer. 2015 Jun; 62:25 Suppl 2)***

136. ARCC Conference 2015. Montreal, QC. May 24-25, 2015. Costa S, Connors JM, Cromwell I, Gascoyne R, Marra MA, Meissner B, Mungall AJ, Regier DA, Steidl C, Teckle P, van der Hoek K, Peacock S. Micro-Costing of Next Generation Sequencing (NGS) Using a Time-Motion Approach.

137. ISPOR 20th Annual International Meeting. Philadelphia, PA. May 16-20, 2015. Costa S, Connors JM, Cromwell I, Gascoyne R, Marra MA, Meissner B, Mungall AJ, Regier DA, Steidl C, Teckle P, van der Hoek K, Peacock S. Micro-Costing of High-Throughput Genomic Assays Using a Time-Motion Approach.

138. 104th Annual Meeting of the United States and Canadian Academy of Pathology. Boston, MA. Mar 21-27, 2015. Yip S, Sheffield B, Jones M, Pleasance E, Schaeffer D, Ng T, Li-Chang H, Lim H, Renouf D, Shen YQ, Jones S, Laskin J, Marra M. Next Generation Pathology: The Integration of Next Generation Sequencing With Glass-Based Histomorphology and Immunohistochemistry. ***(Mod Pathol. 2015 Feb;***

28:465A Suppl 2)

139. 104th Annual Meeting of the United States and Canadian Academy of Pathology. Boston, MA. Mar 21-27, 2015. Alassiri A, Ali R, Lum A, Goytain A, Shen YQ, Sorensen P, Strahlendorf C, Laskin J, Marra M, Nielsen T, Yip S, Lee C-H, Ng T. ETV6-NTRK3 is expressed in a subset of ALK-negative inflammatory myofibroblastic tumors: Case series of 20 patients demonstrated by comprehensive genomic profiling. ***(Mod Pathol. 2015 Feb; 28: 13A Suppl 2)***

140. B.I.G. Research Day 2015. Vancouver, BC. Mar 20, 2015. Topham J, Lim EL, Ma Y, Schuback HL, Mungall A, Moore R, Zhao YJ, Pleasance E, Gerhard DS, Meshinchi S, Arceci RJ, Marra MA. Integrative genomic and transcriptomic analysis of pediatric acute myeloid leukemia. **(Poster presentation)**

141. 56th ASH Annual Meeting and Exposition. San Francisco, CA. Dec 6-9, 2014. Totten S, Gaucher D, Morin RD, Assouline S, Connors JM, Marra MA, Scott D, Gascoyne RD, Pelletier J, Mann KK, Johnson NA. *FAS* Mutations Accelerate Lymphoma Growth and Induce Therapeutic Resistance.

142. 56th ASH Annual Meeting and Exposition. San Francisco, CA. Dec 6-9, 2014. Holm F, Hellqvist E, Mason C, Barrett C, Ali S, Chun E, Marra M, Runza V, Frazer K, Sadarangani A, Jamieson C. Malignant Reprogramming of Progenitors into Leukemia Stem Cells is Enhanced by Upregulation of CD44 transcript variant 3 in Malignant Microenvironments.

143. 56th ASH Annual Meeting and Exposition. San Francisco, CA. Dec 6-9, 2014. Ennishi D, Hoffer C, Shulha H, Mottok A, Farinha P, Chan FC, Meissner B, Boyle M, Ben-Neriah S, Morin R, Marra M, Savage K, Sehn L, Connors JM, Steidl C, Scott DW, Gascoyne RD. Clinical Significance of Genetic Aberrations in Diffuse Large B Cell Lymphoma.

144. Beyond the Genome: Cancer genomics. Boston, MA. Oct 8-10, 2014. Kasaian K, Shen Y, Leelakumari S, Pleasance E, Jones M, Li YY, Mungall KL, Schein J, Mungall AJ, Zhao YJ, Moore RA, Ma Y, Yip S, Gelmon K, Lim H, Renouf D, Laskin L, Marra MA, Jones SJM. Bioinformatic Analyses Approaches for Personalized Oncogenomics.

145. European Society for Medical Oncology 2014 Congress. Madrid, Spain. Sep 26-30, 2014. Laskin J, Moore R, Shen Y, Lim H, Gelmon K, Renouf D, Yip S, Huntsman D, Ng T, Mungall A, Fok A, Ho C, Chia S, Pleasance E, Kasaian K, Eirew P, Ma Y, Aparicio S, Jones S, Marra M. Demonstration of temporal heterogeneity identified by genome sequencing and the potential effect on treatment decisions for advanced cancer patients. **(Oral presentation)**

146. European Society for Medical Oncology 2014 Congress. Madrid, Spain. Sep 26-30, 2014. Lim H, Virani A, Fox A, Karsan A, Renouf D, Gelmon K, Yip S, Chia S, Sun S, Tinker A, Lee SJ, Rassekh R, Deyell R, Roscoe R, Jones S, Pleasance E, Marra M, Laskin J. Practical guidance for ethical and policy issues that arise from the clinical application of whole genome sequencing in cancer patients.

147. 10th Biennial Ovarian Cancer Research Symposium. Seattle, WA. Sep 2014. Ramos P, Karnezis AN, Craig DW, Sekulic A, Russell ML, Hendricks WP, Corneveaux JJ, Barrett MT, Shumansky K, Yang Y, Shah SP, Prentice LM, **Marra MA**, Kiefer J, Zismann VL, McEachron TA, Salhia B, Prat J, D'Angelo E, Clarke BA, Pressey JG, Farley JH, Anthony SP, Roden RB, Cunliffe HE, Huntsman DG, Trent JM. Small cell carcinoma of the ovary, hypercalcemic type displays frequent inactivating germline and somatic mutations in SMARCA4. ***(Clic Cancer Res. 2015 Aug 15; 21 Suppl 16)***

148. 10th Biennial Ovarian Cancer Research Symposium. Seattle, WA. Sep 2014. Anglesio MS, Bashashati A, Wang YK, Ha G, Senz J, Yang W, Kalloger SE, Prentice LM, Yanagida S, Salamanca C, Soukhatcheva G, Karnezis AN, Chang N, Mes-Mason AM, Okamomo A, **Marra MA**, Gilks B, Shah SP, Huntsman DG. The somatic mutational landscape of endometriosis associated ovarian cancers and precursor lesions. ***(Clic Cancer Res. 2015 Aug 15; 21 Suppl 16)***

149. 20th International Conference on Brain Tumor Research and Therapy. Lake Tahoe, CA. Jul 20-22, 2014. Kaplan D, Grinshtein N, Rioseco C, Luchman A, Datti A, Aman A, Uehling D, Prakesch M, Wrana J,

Cairncross G Shen YQ, Jones S, Marra M, Senger D, Robbins S, Al-Awar R, Moran M, Weiss W. Combined drug screening and phosphoproteomics identifies candidate brain tumor therapeutics and novel targets in primary human brain tumor-initiating cells. ***(J Neurooncol. 2014 Jul; 16(3)***

150. 16th International Symposium on Pediatric Neuro-Oncology. Singapore. Jun 28-Jul 2, 2014. Remke M, Ramaswamy V, Wang X, Jorgensen F, Morrissy AS, Marra MA, Packer R, Bouffet E, Pfister S, Jabado N, Taylor. Integrated genomics reveals relative spatial homogeneity of pediatric brain tumors. ***(J Neurooncol. 2014 Jul. Vol 16, Suppl 1:145)***

151. Genome BC Genomics Forum. Vancouver, BC. May 9, 2014. MacLeod T, Docking R, Swanson L, Corbett R, Smailus D, Pandoh P, Merhu S, Kirk H, McDonald H, Jones M, Parker J, Lee J, Kirkpatrick R, Roos A, Mungall AJ, Moore RA, Coope R, Zhao YJ, Langlois S, Karsan A, Marra MA. Circulating cell free DNA sequencing: Non-invasive detection of trisomies.

152. Genome BC Genomics Forum. Vancouver, BC. May 9, 2014. McDonald H, Jones M, Pandoh P, Tsao P, Smailus D, Corbett R, Merhu S, Kirk H, MacLeod T, Cruz K, Miller D, Schein J, Mungall AJ, Moore RA, Ma Y, Coope R, Zhao YJ, Jones SJM, Marra MA. A New High Throughput Pipeline for DNA Extraction and Illumina Library Construction from Archival FFPE samples.

153. AACR Annual Meeting. San Diego, CA. Apr 5-9, 2014. Laskin J, Shen Y, Lim H, Gelmon K, Renouf D, Yip S, Huntsman D, Tinker A, Ho C, Li Y, Kasaian K, Eirew P, Leelakumari S, Ma Y, Aparicio S, Jones S, Marra M. Whole genome sequencing is superior to cancer panels to aid in decision-making in patients with advanced malignancies. **(Poster presentation**)

154. AACR Annual Meeting. San Diego, CA. Apr 5-9, 2014. Kasaian K, Shen Y, Leelakumari S, Eirew P, Li YY, Corbett R, Mungall KL, Schein J, Mungall AJ, Zhao YJ, Moore RA, Yip S, Gelmon K, Lim H, Renouf D, Roscoe R, Ma Y, Marra MA, Laskin J, Jones SJM. Bioinformatics Analysis Approaches for Personalized Oncogenomics.

155. Keystone Symposia: Tumor Metabolism (X6). Whistler, BC. Mar 16-21, 2014. Chittaranjan S, Chan S, Yang C, Yang KC, Moradian A, Firme M, Chen V, Go NC, Blough M, Song J, Chan JA, Cairncross JG, Gorski SM, Morin G, Yip S, Marra MA. CIC interacts with ACLY and regulates cell proliferation in coordination with IDH1.

156. The 15th Annual AGBT Meeting. Feb 12-15, 2014. Marco Island, FL. Gascard P, Bilenky M, Sigaroudinia M, Zhao J, Tam A, Kamoh B, Cheung D, Li I, Li L, Moussavi A, Carles A, Nagarajan RP, Hong C, Echipare L, O'Geen H, Hangauer M, Cheng JB, Neel D, McManus M, Moore R, Wang T, Farnham P, Jones SJM, Marra MA, Tlsty TD, Costello JP, Hirst M. Persistent and transient epigenomic states in mammary gland development. **(Oral presentation)**

157. The 15th Annual AGBT Meeting. Feb 12-15, 2014. Marco Island, FL. Mungall AJ, Bowlby R, Mungall KL, Nip KM, Chu J, Chu A, Robertson AG, Brooks D, Sipahimalani P, Chiu R, Qian JQ, Thiessen N, He A, Tam A, Birol I, Ma Y, Moore RA, Schein JE, Jones SJM, Marra MA and TCGA Research Network. Detection of pathogen messenger RNA and microRNA transcripts in human cancer transcriptomes. **(Oral presentation)**

158. The 15th Annual AGBT Meeting. Feb 12-15, 2014. Marco Island, FL. Coope R, Tsao P, Merhu S, Corbett R, Pleasance S, Cruz K, Moore RA, Zhao YJ, Mungall AJ, Marra M. Flexible automation of Poly-A capture RNASeq sample prep and validation analysis**. (Poster presentation)**

159. The 15th Annual AGBT Meeting. Feb 12-15, 2014. Marco Island, FL. Docking R, Bosdet I, Chan S, Swanson L, Yang L, Mungall A, Zeng T, Coope R, Munro S, Jadersten M, Sung S, Chang L, Duns G, Parker J, Birol I, Moore R, Jones S, Hogge D, Marra M, and Karsan A. RNA-Seq and Gene-panel Assays for Risk Stratification in Acute Myeloid Leukemia. **(Poster presentation)**

160. 2014 Gastrointestinal Cancers Symposium. San Francisco, CA. Jan 16-18, 2014. Renouf DJ, Laskin JJ, Lim HJ, Yip S, Schaeffer D, Huntsman D, Morin R, Li Y, Shen Y, Zhao YJ, Kasaian K, Leelakumari S,

Corbett R, Eirew P, Mungall K, Mungall A, Schein J, Roscoe R, Jones S, Marra M. Detailed genomic analysis in patients with pancreatic ductal adenocarcinoma (PDAC).

161. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Recart ACC, Sadarangani A, Chun E, Mason CN, Jiang F, Barrett CL, Wall R, Goff DJ, Geron J, shih A, Leu HS, Ma WX, Minden MD, Fraser KA, Marra MA, Crews LA, Jamieson CHM. Inhibition of Inflammation Driven Leukemia Stem Cell Self-Renewal with a Selective JAK2 Antagonist. ***(Blood. 2013 Nov 15; 122(21):1481)***

162. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Berg T, Thoene S, Yap D, Wee T, Schoeler N, Rosten P, Lim E, Bilenky M, Mungall AJ, Oellerich T, Umlandt P, Salmi A, Chang H, Yue L, Lai D, Cheng G, Serve H, Morin RD, Hirst M, Marra MA, Morin GB, Gascoyne RD, Aparicio SA, Humphries RK. Characterization of the Effects of Mutated EZH2 on Expression and Epigenome in a Mouse Lymphoma Model. ***(Blood. 2013 Nov 15; 122(21):346)***

163. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Ennishi D, Chan FC, Scott DW, Hother C, Meissner B, Boyle M, Morin RD, Sehn LH, Marra MA, Connors JM, Steidl C, Gascoyne RD. Genetic Alterations in Immune Cell Crosstalk Genes in Diffuse Large B-Cell Lymphoma Predict Survival. ***(Blood. 2013 Nov 15; 122(21):500)***

164. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Sloma I, Mitjavila-Garcia M, Feraud O, Oudrhiri N, Tosca L, El Marsafy L, Gobbo E, Divers D, Proust A, Griscelli F, Tachdjian G, Marra M, Eaves CJ, Bennaceur-Griscelli A, Turhan AG. Whole genome sequencing of chronic myeloid leukemia (CML)-derived induced pluripotent stem cells (iPSC) reveals faithful genocopying of highly mutated primary leukemic cells. ***(Blood. 2013 Nov 15; 122(21):514)***

165. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Gunawardana J, Chan FC, Telenius A, Woolcock B, Kridel R, Tan KL, Ben-Neriah S, Lim R, Rogic S, Boyle M, Guiter C, Haioun C, Leroy K, Rimsza LM, Gaulard P, Savage KJ, Connors JM, Marra MA, Shah SP, Gascoyne RD, Steidl C. Protein tyrosine phosphatase type-1 (*PTPN1*) is frequently mutated in Primary Mediastinal B cell lymphoma and Hodgkin Lymphoma. ***(Blood. 2013 Nov 15; 122(21):242)***

166. 18th Annual Meeting of the Society of Neuro Oncology. San Francisco, CA. Nov 21-24, 2013. Johnson B, Mazor T, Hong CB, Barnes M, Yamamoto S, Ueda H, Tatsuno K, Aihara K, Jalbert L, Nelson S, Bollen A, Hirst M, Marra M, Mukasa A, Saito N, Aburatani H, Berger M, Chang SS, Taylor B, Costello J. Therapy-induced evolution of low-grade glioma genomes during malignant progression. ***(J Neurooncol. 2013 Nov. Vol 15 Suppl 3: 143)***

167. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Lim EL, Trinh DL, Scott DW, Chu A, Morin RD, Mungall AJ, Boyle M, Johnson NA, Connors JM, Gascoyne RD, Marra MA. Deep Sequencing of the DLBCL miRnome Reveals Novel and Prognostic miRNA. **(Poster presentation)**

168. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Pon J, Chittaranjan S, Wong J, Firme M, Tamura-Wells J, O'Brien K, Chan S, Trinh D, Mendez-Lago M, Morin R, Connors JM, Gascoyne RD, Marra M. Regulatory Networks Impacted by *MEF2B* Mutations Recurrent in Non Hodgkin's Lymphoma. **(Poster presentation)**

169. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Huff RD, Mendez-Lago M, Morin RD, Scott DW, Connors JM, Gascoyne RD, Marra MA. MLL2 interactions in follicular and diffuse large B-cell lymphoma. **(Poster presentation)**

170. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Firme M, Chittaranjan S, Chan S, Yang C, Pon J, Trinh D, Butterfield Y, Blough M, Chan J, Cairncross G, Yip S, Marra M. Nuclear localization of the transcriptional repressor Capicua is regulated by intracellular calcium through an interaction with Calmodulin. **(Poster presentation)**

171. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Trinh D, Lim E, Scott D, Chu

A, Morin R, Mungall A, Boyle M, Johnson N, Connors J, Gascoyne R, Marra M. Investigating the Consequences of miR-21 and miR-148a Dysregulation in Diffuse Large B-cell Lymphoma. **(Poster presentation)**

172. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Chittaranjan S, Chan S, Yang C, Moradian A, Yang K, Firme M, Chen V, Butterfield Y, Blough M, Chan J, Gorski S, Cairncross G, Morin G, Yip S, Marra M. Cytoplasmic Capicua is tethered to mitochondria and regulates cell proliferation and survival in coordination with Isocitrate Dehydrogenase1. **(Poster presentation)**

173. 3rd Annual TFRI-BC Node Research Day. Vancouver, BC. Oct 31, 2013. Yu S, Zong Z, Fornika D, Nielsen J, Connors J, Nelson B, Gascoyne R, Marra M, Johnson N, Morin RD. Mutational analysis in the non-Hodgkin lymphomas and development of minimally invasive biomarkers for monitoring disease progression.

174. Clinician Investigator Trainee Association of Canada Annual Meeting. Ottawa, ON. Sep 17-18, 2013. Pon J, Chittaranjan S, Wong J, Chan S, Trinh D, Tamura-Wells J, Firme M, O'Brien K, Mendez-Lago M, Morin R, Connors JM, Gascoyne RD, Marra M. Regulatory Networks Impacted by MEF2B Mutations Recurrent in Non Hodgkin Lymphoma. **(Poster presentation)**

175. Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. May 31-June 4, 2013. Laskin JJ, Lim HJ, Gelmon KA, Ho C, Renouf DJ, Yip S, Huntsman D, Tinker A, Pleasance E, Li Y, Shen YQ, Kasaian K, Corbett R, Mungall K, Mungall A, Zhao YJ, Schein J, Roscoe R, Jones S, Marra M. Practical application of whole genome and transcriptome tumour analysis to guide chemotherapy decision-making for patients with advanced cancers. ***(J Clin Oncol. 2013 May 30; 31(15) Suppl S)***

176. AACR Precision Medicine Series. Synthetic Lethal Approaches to Cancer Vulnerabilities. Bellevue, WA. May 19-20, 2013. Huff R, Mendez-Lago M, Morin RD, Scott DW, Connors JM, Gascoyne RD, Marra MA. MLL2 interactions in follicular and diffuse large B-cell lymphoma. **(Poster presentation)**

177. 2nd Annual Pediatric Neuro-Oncology Basic and Translational Research Conference. Fort Lauderdale, FL. May 16-17, 2013. Morrissy AS, Mayoh C, Lo A, Thiessen N, Tse K, Moore R, Mungall A, Wu XC, Van Meter TE, Cho YJ, Collins VP, MacDonald TJ, Li XN, Fernandez-Lopez A, Malkin D, Marra MA, Taylor MD. Uncovering clonal evolution patterns in medulloblastoma metastases using whole genome sequencing. ***(J Neurooncol. 2013 Apr. Vol 15 Suppl 1:34-35)***

178. 2nd Annual Pediatric Neuro-Oncology Basic and Translational Research Conference. Fort Lauderdale, FL. May 16-17, 2013. Cavalli MG, Morrissy AS, Li Y, Chu A, Remke M, Thiessen N, Mungall AJ, Bader GD, Malkin D, Marra MA, Taylor MD. Identification of the microRNAs contributing to the regulation and molecular specificities of the medulloblastoma subgroups. ***(J Neurooncol. 2013 Apr. Vol 15 Suppl 1:20-21)***

179. TFRI 4th Annual Scientific Meeting. Ottawa, ON. May 9-11, 2013. Trinh DL, Scott DW, Morin RD, Mendez-Lago M, An J, Jones SJM, Mungall AJ, Zhao YJ, Schein J, Steidl C, Connors JM, Gascoyne RD, Marra MA. Analysis of *FOXO1* Mutations in Diffuse Large B-Cell Lymphoma. **(Poster presentation)**

180. TFRI 4th Annual Scientific Meeting. Ottawa, ON. May 9-11, 2013. Huff RD, Mendez-Lago M, Morin RD, Scott DW, Connors JM, Gascoyne RD, Marra MA. MLL2 Interactions in Follicular and Diffuse Large B-Cell Lymphoma. **(Poster presentation)**

181. TFRI 4th Annual Scientific Meeting. Ottawa, ON. May 9-11, 2013. Lim E, Trinh D, Scott D, Chu A, Morin R, Mungall A, Boyle M, Johnson N, Connors J, Gascoyne R, Marra M. Deep Sequencing of the DLBCL miRnome Reveals Novel Prognostic miRNA. **(Poster presentation)**

182. TFRI 4th Annual Scientific Meeting. Ottawa, ON. May 9-11, 2013. Pon J, Chittaranjan S, Firme M, Tamura-Wells J, O'Brien K, Chan S, Trinh D, Mendez-Lago M, Morin R, Connors J, Gascoyne R, Marra M. Regulatory Networks Impacted by *MEF2B* Mutations. **(Poster presentation)**

183. The Fifth Annual Canadian National Proteomic Network Symposium. Vancouver, BC. April 20-24, 2013. Morin GB, Chen VC, Moradian A, Cheng GSW, McLean M, Chittaranjan S, Yap DB, Aparicio S, Marra MA, Huntsman DG. Detection and quantitation of mutated and alternatively processed oncogenic driver proteins in cancers. **(Oral presentation)**

184. 104th Annual Meeting of the American Association for Cancer Research. Washington, DC. Apr 6-10, 2013. Wood AC, Pugh TJ, Morozova O, Molenaar JJ, Koster J, Pineros V, Bosse K, Perin J, Diskin S, Diamond M, Versteeg R, Marra M, Meyerson M, Maris JM. Rare DNA variants are enriched at the BARD1 locus and likely influence neuroblastoma susceptibility. ***(Cancer Res. 2013 Apr 15;73(8) Suppl 1: 3804)***

185. 104th Annual Meeting of the American Association for Cancer Research. Washington, DC. Apr 6-10, 2013. Laskin JJ, Gelmon K, Lim H, Renouf D, Yip S, Huntsman D, Tinker A, Ho C, Pleasance E, Li Y, Shen YQ, Kasaian K, Corbett R, Mungall K, Zhao YJ, Mungall A, Schein J, Roscoe R, Jones S, Marra M. Genome analysis informs chemotherapy decision-making in patients with advanced malignancies. ***(Cancer Res. 2013 Apr 15; 73(8) Suppl 1)***

186. Joint Conference of Human Genome Meeting 2013 and 21st International Congress of Genetics. Singapore. Apr 13-18, 2013. Zahir F, Shen Y, Adam S, F. FORGE Canada Consortium, Marra M, Jones S, Friedman F. Whole Exome Sequencing For Siblings With Severe Intellectual Disability.

187. The 14th Annual AGBT Meeting. Marco Island, FL. Feb 20-23, 2013. Mungall AJ, Bowlby R, Chu A, Chun H-J, Robertson AG, Lim E, Mungall KL, Chiu R, Hamilton K, Chu J, Nip KM, Qian JQ, Sipahimalani P, Stoll D, Thiessen N, He A, Schein JE, Varhol R, Tam A, Zhao YJ, Moore RA, Birol I, Jones SJM, Marra MA, and TCGA Research Network. High-grade serous ovarian adenocarcinoma transcriptome sequencing. **(Oral presentation)**

188. The 14th Annual AGBT Meeting. Marco Island, FL. Feb 20-23, 2013. Zhao YJ, Mwenifumbo J, McDonald H, Corbett R, Kasaian K, Lim R, Slobodan J, Thorne T, Moksa M, Pandoh P, Kirk H, Haile Merhu S, Cruz K, Scott D, Neriah SB, Chun Chan F, Coope R, Moore RA, Mungall AJ, Gascoyne R, Steidl C, Jones SJM, Marra MA. High Throughput Genome Sequencing Protocol Development for Archival Formalin-Fixed Paraffin-Embedded (FFPE) Samples. **(Poster presentation)**

189. The 14th Annual AGBT Meeting. Marco Island, FL. Feb 20-23, 2013. Hirst M, Bilenky M, Tam A, Kamoh B, Cho S, Cheung D, Li I, Carles A, Cheng J, Moore R, Jones SJM, Tlsty T, Aparicio S, Farnham P, Eaves C, Connors J, Wang A, Huntsman D, Karsan A, Wang T, Marra MA, Costello J. Reference Human Epigenomes. **(Poster presentation)**

190. The 14th Annual AGBT Meeting. Marco Island, FL. Feb 20-23, 2013. Lam LT, Slobodan J, Pleasance SJ, Moore R, Docking R, Karsan A, Marra MA, Coope RNJ. Accurate Determination of Sample Molarity for Successful NGS Cluster Generation. **(Poster presentation)**

191. 2013 Gastrointestinal Cancers Symposium. San Francisco, CA. Jan 24-26, 2013. Peixoto R, Li Y, Pleasance E, Yip S, Zhao YJ, Schein J, Shen Y, Lim HJ, Renouf DJ, Gelmon KA, Huntsman D, Jones S, Marra M, Laskin JJ. A case of the utilization of genomic information in the management of metastatic colorectal cancer.

192. Keystone Conference: Noncoding RNAs in Cancer and Development. Vancouver, BC. Jan 20-25, 2013. Lim EL, Morin RD, Chu A, Gascoyne RD, Marra MA. An Integrative Analysis of miRNA:mRNA Interactions Acting in Cancers. **(Poster presentation)**

193. The Eleventh Asia Pacific Bioinformatics Conference. Vancouver, BC. Jan 21-23, 2013. Shen Y, Zhan SH, Varhol R, Khodabakhshi AH, Fejes AP, He A, Thiessen N, FORGE Canada Consortium, Mungall A, Birol I, Marra MA, Jones SJM. Finding of Rare Disease Genes in Canada.

194. 54th ASH Annual Meeting and Exposition. Atlanta, GA. Dec 8-11, 2012. Leu HS, Goff DJ, Low-Marchelli J, Court Recart A, Smith KM, Ma W, Sadarangani A, Shih AY, Wei J, Zhai D, Gotlib J, Minden M,

Martinelli G, Marra M, Frazer KA, Pellecchia M, Reed JC, Jamieson CHM. Sabutoclax, a Novel Pan BCL2 Family Inhibitor, Sensitizes Dormant Blast Crisis Chronic Myeloid Leukemia Stem Cells to Dasatinib.

195. 54th ASH Annual Meeting and Exposition. Atlanta, GA. Dec 8-11, 2012. Court Recart A, Goff D, Sadarangani A, Mason C, Shih A, Wall R, Leu H, Ma W, Marra M, Barrett C, Frazer K, Jamieson C. Combined JAK/STAT5A and BCR-ABL Inhibition Impairs Blast Crisis Chronic Myeloid Leukemia Stem Cell Self-Renewal.

196. 54th ASH Annual Meeting and Exposition. Atlanta, GA. Dec 8-11, 2012. Chun Chan F, Ben-Neriah S, Lim R, Hu S, Rogic S, Johnson N, Morin R, Ha G, Ding J, Scott DW, Sehn L, Connors JM, Marra MA, Gascoyne RD, Shah S, Steidl C. Large-Scale High Resolution Integration of Copy Number and Gene Expression in DLBCL Reveals Focal and Frequent Deletions in Chromatin Modifying Genes with Outcome Correlation**.**

197. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29-Dec 1, 2012. Chun H-J, Pleasance ED, Varhol R, Corbett R, Guin R, Schein JE, Mungall AJ, Zhao YJ, Moore RA, Perlman EJ, Gerhard DS, Marra MA. Whole genome sequencing of rhabdoid tumours of the kidney. **(Poster presentation)**

198. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29-Dec 1, 2012. Swanson L, Mungall KL, Robertson G, Chiu R, Fentiman A, Jackman SD, Lee S, Moore RA, Nip KM, Parker J, Qian J, Raymond A, Yorukoglu D, Zhao YJ, Sahinalp SC, Hoodless PA, Jones SJM, Marra MA, Karsan A, Birol I. Detecting and characterizing fusions and tandem duplications in assembled mouse transcriptomes using Barnacle. **(Poster presentation)**

199. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29-Dec 1, 2012. Goya R, Meyer IM, Marra MA. A Centralized Framework for Analyzing and Comparing Alternative Splicing Profiles.

200. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29-Dec 1, 2012. Li Y, Pleasance E, Shen Y, Kasaian K, Corbett R, Mungall K, Zhao YJ, Mungall A, Yip S, Lim H, Laskin J, Jones S, Marra M. Utilization of Genomic Information for Personalized Therapy in Patients with Incurable Malignancies.

201. Genome Canada's Genomics: The Power and the Promise Conference. Ottawa, ON. Nov 27-28, 2012. Kasaian K, He A, Thiessen N, Mungall KL, Qian J, Varhol R, Zhao YJ, Birol I, Moore R, Mungall AJ, Hirst M, Marra MA, Walker BAM, Wiseman SM, Jones SJM. Profiling Thyroid Cancers on the Molecular Level. **(Poster presentation)**

202. Cold Spring Harbor Laboratory Meeting on Mechanisms and Models of Cancer. NY, USA. Aug 14-18, 2012. Chittaranjan S, Yang C, Moradian A, Chan A, Firme M, Morozova O, Chen G, Butterfield Y, Blough M, Chan J, Cairncross G, Morin G, Yip S, Marra MA. Characterizing the role of Capicua in oligodendroglioma.

203. 22nd Biennial European Cancer Research Congress. Barcelona, Spain. July 7-10, 2012. Mendez-Lago M, Morin RD, Mungall AJ, Goya R, Trinh DL, Corbett R, Rogic S, Gascoyne RD, Connors JM, Marra MA. Genomic Analysis of Non-Hodgkin Lymphomas Reveals Mutations in Chromatin Remodelling Genes. (***Eur J Cancer. 2012 Jul 31;48:S135)***

204. ISBER 2012 Annual Meeting. Vancouver, BC. May 2012. Schein J, Carter C, Guin R, Bala M, Carlsen R, Dhalla N, Hirst C, Lee D, Miller D, Shafiei A, Tam A, Wye N, Zhao YJ, Roscoe R, Mungall A, Birol I, Jones S, Marra M. Sample Receipt and Management at the Genome Sciences Centre.

205. Gordon Research Seminar and Conference: Autophagy in Stress, Development & Disease. Ventura, CA. Mar 11-16, 2012. Lebovitz C, Morin R, Marra M, Gorski S. Investigation of human autophagy genes as targets of somatic mutation in cancer. **(Poster presentation)**

206. AAAS Annual Meeting. Autophagy: An Emerging Therapeutic Target in Human Disease. Vancouver,

BC. Feb 16-20, 2012. Lebovitz C, Morin R, Marra M, Gorski S. Investigation of human autophagy genes as targets of somatic mutation in cancer. **(Poster presentation)**

207. Keystone Advances in Islet Biology Symposium. Monterey, CA. Mar 2012. Tennant BR, Robertson AG, Beach M, Li L, Zhang X, Whiting CJ, Kim A, Zhang SH, Gottardo R, Marra MA, Jones SJM, Hoodless PA, Hoffman BG. Identification and analysis of pancreatic islet enhancers.

208. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Mendez-Lago M, Morin RD, Mungall AJ, Mungall KL, Bolger-Munro M, Goya R, Khodabakhshi AH, Johnson NA, Chiu R, Jackman S, Krzywinski M, Scott D, Trinh DL, Griffith M, Corbett R, Smailus D, Moksa M, Brooks-Wilson A, Meissner B, Woolcock B, Boyle M, McDonald H, Tam A, Zhao YJ, Delaney A, Zeng T, Tse K, Birol I, Holt R, Schein J, Horsman DE, Moore R, Hirst M, Jones SJM, Connors JM, Gascoyne RD, Marra MA. Integrative Genomic Analysis of Diffuse Large B-cell Lymphoma**. (Poster presentation)**

209. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Mwenifumbo JC, Griffith M, Zhao YJ, Owen D, Gill S, Marra M. Exploring Mutational Evolution of Metastatic Colorectal Cancer. **(Poster presentation)**

210. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Mendez-Lago M, Morin RD, Mungall AJ, Gascoyne RD, Marra MA. *MLL2* Mutations in Follicular Lymphoma and Diffuse Large B-Cell Lymphoma.

211. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Hirst M , Gascard P, Delaney A, Zhao YJ, Sigaroudinia M, Cheng J, Bilenky M, Tam A, Kamoh B, Cheung D, Li I, Varhol R, Nagarajan R, Hong C, Echipare L, O'Geen H, Hangauer M, Neel D, Haussler D, Weiss A, McManus M, Moore R, Wang T, Aparicio S, Shah S, Farnham P, Jones SJM, Tlsty T, Marra MA, Costello J. Epigenetic Contributions to Cell Identity in Human Breast.

212. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Goya R, Griffith M, Shah SP, Aparicio SA, Meyer IM, Marra MA. Alternative Splicing in Triple Negative Breast Cancers Suggests Differences in Precursor Differentiation State.

213. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Zhao YJ, Schein JE, Zeng T, Moore RA, Li I, Chuah E, Varhol R, Stoll D, Moksa M, Smailus DE, Slobodan J, Dhalla N, Tam A, Prabhu A, Ally A, Asano J, Tam B, Sze W, Kamoh B, Kirk H, Trinh E, Cruz K, Thorne T, Mah D, Deng M, Azrahimi N, Cho S, Chahal S, McDonald H, Pandoh P, Ma K, Lee D, Mayo M, Carlsen R, Candace C, Hirst C, Pleasance ED, Chu A, Chun HJE, Thiessen N, Mungall K, Wong T, Guin R, Butterfield Y, Sipahimalani P, Stazyk G, Coope R, Robertson G, Birol I, Hirst M, Mungall AJ, Jones SJM, Marra MA and the BCCA GSC team. TCGA Pipelines for RNA-Seq and miRNA-Seq at the Genome Sciences Centre, British Columbia Cancer Agency.

214. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Mungall AJ, Chu A, Robertson G, Ally A, Ben-Neriah S, Boyle M, Carter C, Carlsen R, Chiu R, Choe G, Chun HJE, Corbett R, Dhalla N, Johnson NA, Lee D, Li I, Mayo M, McDonald H, Meissner B, Morin RD, Mendez-Lago M, Moksa M, Mungall KL, Munro S, Pandoh P, Scott DW, Slobodan J, Smailus D, Rimsza L, Tam A, Trinh DL, Woolcock B, Wu S, Wye N, Zhao YJ, Bala M, Birol I, Butterfield Y, Coope R, Hirst M, Holt R, Jones SJM, Moore R, Schein J, Varhol R, Horsman DE, Connors JM, Gascoyne RD, Marra MA. MicroRNA expression profiling of diffuse large B-cell lymphoma samples.

215. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Coope R, Slobodan J, Lam LT, Drewbrook C, Ouellette C, Chun HJE, Fong J, Goodacre E, Henderson S, Corbett R, Chu A, Moksa M, Smailus D, Wye N, Hirst M, Marra MA. Post Size Selection Automation for Large Scale Library Construction.

216. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012.

Kasaian K, Thiessen N, Mungall KL, Fejes AP, Zhao YJ, Birol I, Marra MA, Walker BAM, Nabi IR, Wiseman SM, Jones SJM. Whole Transcriptome Analysis of Anaplastic Thyroid Carcinomas.

217. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Moore R, Bosdet I, Docking R, Butterfield Y, Chan S, Young S, Kirkpatrick R, Hirst M, Mungall A, Zhao YJ, Birol I, Holt R, Karsan A. Implementation of a Clinically-Compliant Diagnostic High Throughput Sequencing Pipeline.

218. Pediatric Cancer Translational Genomics Conference. Scottsdale, AZ. Feb 2012. Morozova O, Attiyeh EF, Asgharzadeh S, Birol I, Corbett RD, Mungall KL, Zhao YJ, Moore RA, Thiessen N, Chiu R, Jackman SD, Qian J, Krzywinski M, Hirst M, Diskin SJ, Mosse YP, Cole KA, Diamond M, Sposto R, Pugh TJ, Smith MA, Guidry Auvil JM, Gerhard DS, Meyerson M, Hogarty M, Jones SJM, Seeger RC, Khan J, Maris JM, Marra MA. RNA sequencing of primary neuroblastoma tumors reveals aberrations in the BRCA1/BARD1 pathway.

219. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Mungall AJ, Chu A, Chun HJE, Bolger-Munro M, Mungall K, Robertson G, Bala M, Butterfield Y, Chiu R, Chuah E, Coope R, Deng A, Dhalla N, Guin R, Hirst C, Lee D, Li I, Ma K, McDonald H, Mayo M, Moksa M, Munro S, Pleasance ED, Prabhu A, Qian J, She R, Slobodan J, Smailus DE, Stoll D, Tam A, Thiessen N, Varhol R, Wang T, Wong T, Zeng T, Birol I, Hirst M, Moore RA, Schein JE, Stazyk G, Zhao YJ, Jones SJM, Marra MA and the TCGA Research Network. Expression Analyses and Mutation Discovery from Acute Myeloid Leukemia Messenger/Micro-RNA Transcriptomes.

220. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Gascard P, Delaney A, Zhao YJ, Sigaroudinia M, Cheng J, Nielsen C, Tam A, Kamoh B, Cheung D, Li I, Varhol R, Nagarajan R, Hong C, Echipare L, O'Geen H, Hangauer M, Neel D, Haussler D, Weiss A, McManus M, Moore R, Wang T, Farnham P, Jones SJM, Tlsty T, Marra MA, Costello J, Hirst M. Epigenetic Contributions to Cell Identity in Human Breast.

221. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Mendez-Lago M, Morin RD, Mungall AJ, Trinh DL, Be-Neriah S, Goya R, Gascoyne RD and Marra MA. MLL2 mutations in follicular and diffuse large B-cell lymphomas.

222. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Trinh DL, Mendez-Lago M, Morin RD, Scott DW, Mungall AJ, Chittaranjan S, Zhao YJ, McDonald H, Gascoyne RD, Marra MA. Recurrent Mutations Affecting the *FOXO1* Gene in Non-Hodgkin Lymphomas.

223. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Goya R, Griffith M, Shah SP, Aparicio SA, Meyer IM, Marra MA. Alternative Expression Profiling Of Triple Negative Breast Cancers.

224. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Lim EL, Bilenky M, Morin RD, Berg T, Marra MA. Elucidating the Mechanisms by which EZH2 Contributes to Lymphomagenesis.

225. 53rd Annual Meeting and Exposition of the American Society of Hematology. San Diego, CA. Dec 2011. Roberts KG, Morin RD, Zhang J, Hirst M, Harvey RC, Kasap C, Edmonson MN, Chen I-M, Shah NP, Devidas M, Reaman G, Smith M, Pui C-H, Downing JR, Gerhard DS, Willman CL, Loh M, Hunger SP, Marra M, Mullighan CG and the Children's Oncology Group. Novel Chromosomal Rearrangements and Sequence Mutations in High-risk Ph-like Acute Lymphoblastic Leukemia. ***(Blood. 2011 Nov 18;118(21):32)***

226. 53rd Annual Meeting and Exposition of the American Society of Hematology. San Diego, CA. Dec 2011. Berg T, Yap D, Thoene S, Wee T, Schoeler N, Umlandt P, Chang H, Yue L, Lai D, Cheng G, Morin RD, Hirst M, Marra MA Morin GB, Gascoyne RD, Aparicio SA, Humphries RK. Mutated EZH2 Collaborates with Myc in Inducing Lymphoma in a Mouse Model. ***(Blood. 2011 Nov 18;118(21):104).***

227. Canadian Cancer Research Conference. Toronto, ON. Nov 2011. Lim E, Bilenky M, Yap D, Berg T, Humphries K, Aparicio S, Marra M. Investigating the Mechanisms by which EZH2-Y641 Mutation

Contributes to Lymphomagenesis**. (Poster presentation)**

228. Canadian Cancer Research Conference. Toronto, ON. Nov 2011. Mendez-Lago M, Morin RD, Mungall AJ, Trinh DL, Be-Neriah S, Goya R, Gascoyne RD and Marra MA. MLL2 mutations in follicular and diffuse large B-cell lymphomas.

229. Canadian Cancer Research Conference. Toronto, ON. Nov 2011. Trinh DL, Mendez-Lago M, Morin RD, Scott DW, Mungall AJ, Chittaranjan S, Zhao YJ, McDonald H, Gascoyne RD, Marra MA. Recurrent Mutations Affecting the *FOXO1* Gene in Non-Hodgkin Lymphomas.

230. Medical Genetics Research Day, University of British Columbia. Vancouver, BC. Nov 2011. Pon J, Chittaranjan S, Tamura-Wells J, Firme M, Mendez-Lago M, Trinh D, Morin R, Goya R, Chan S, Marra M. Functional characterization of MEF2B mutations recurrent in non-hodgkin lymphoma.

231. Medical Genetics Research Day, University of British Columbia. Vancouver, BC. Nov 2011. Huff RD, Morin RD, Mendez-Lago ML, Johnson NA, Scott DW, Rogic SR, Ben-Neriah S, Meissner B, Mungall AJ, Goya R, Chan S, Woolcock B, Boyle M, Connors JM[2], Gascoyne RD[2], Marra MA. Investigating the role of GNA13 in Diffuse Large B-cell lymphoma.

232. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Mungall AJ, Chu A, Chun HJE, Bolger-Munro M, Pleasance ED, Robertson G, Bala M, Butterfield Y, Chiu R, Chuah E, Coope R, Deng A, Dhalla N, Guin R, Hirst C, Lee D, Li I, Ma K, McDonald H, Mayo M, Moksa M, Mungall K, Munro S, Prabhu A, Qian J, She R, Slobodan J, Smailus DE, Stoll D, Tam A, Thiessen N, Varhol R, Wang T, Wong T, Zeng T, Birol I, Moore RA, Schein JE, Stazyk G, Zhao YJ, Hirst M, Jones SJM, Marra MA and the TCGA Research Network. Expression analyses and mutation discovery from acute myeloid leukemia messenger/microRNA transcriptomes.

233. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Chu A, Robertson G, Wu S, Chun E, Mungall A, Schein J, Varhol R, Tam A, Zhao YJ, Moore R, Hirst M, Jones SJM, Birol I, Marra MA. Comparison of expression correlation networks between miRNA and mRNA.

234. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Chu A, Corbett R, Robertson G, Chun E, Birol I, Jones S, Marra MA. BLISS (Batch anaLysIS Suite) : A Tool for Contrasting and *De Novo* Grouping of Expression Data.

235. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Chun HJE, Thiessen N, Mungall K, Chu A, Robertson G, Chua E, Varhol R, Zhao YJ, Schein JE, Moore RA, Stoll D, Mungall AJ, Birol I, Jones JSM, Marra MA. Analyses of RNA-sequencing data from stomach adenocarcinoma.

236. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Butterfield Y, Corbett R, Thiessen N, Birol I. RNASeq-Align: RNA sequencing junction alignment and repositioning tool.

237. CSHL/Wellcome Trust Conference on Genome Informatics. Cold Spring Harbor, New York, Nov 2011. Jones S, Fejes A, Khodabakshi A-H, Kasaian K, Mungall K, Morin R, Goya R, Qian J, Nip KM, Chui R, Li S, Raymond A, Jackman S, Birol I, Marra M. Identifying oncogenically relevant mutation events in human cancers.

238. ASHG/ICHG 2011 Meeting. Montreal, QC. Oct 2011. Schrader K, Heravi-Moussavi A, Waters P, Senz J, Whelan J, Ha G, Eydoux P, Nielsen T, Gallagher B, Oloumi A, Boyd N, Fernandez BA, Young TL, Jones SJM, Hirst M, Shah SP, Marra MA, Green J, Huntsman DG. A next-generation sequencing approach to diagnosis of a family's skeletal abnormalities and retinitis pigmentosa.

239. 51st Canadian Association of Neuropathologists Annual Meeting. Sep 2011. Vancouver, BC. Yip S, Butterfield Y, Morozova O, Blough M, Chan J, Maslova A, Chittaranjan S, Corbett R, Cairncross JG, Marra M. Next generation sequencing of oligodendroglioma.

240. ISEH 2011 Annual Meeting. Vancouver, BC. Aug 2011. Berg T, Yap D, Wee T, Schoeler N, Thoene S, Umlandt P, Chang H, Yue L, Cheng G, Morin RD, Hirst M, Marra MA, Morin GB, Gascoyne RD, Aparicio SA and Humphries RK. A transgenic mouse model demonstrating the oncogenic role of mutations in the polycomb-group gene EZH2 in lymphomagenesis. ***(Exp Hematol. 2011 Aug;39(8) Suppl 1:S33)***

241. ISEH 2011 Annual Meeting. Vancouver, BC. Aug 2011. Heuser M, Yung E, Yun H, Berg T, Argiropoulos B, Kuchenbauer F, Hamwi I, Palmgvist L, Lai CK, Leung M, Bilenky M, Thiessen N, Robertson G, Hirst M, Wilson NK, Gottgens B, Marra M, Ganser A, Humphries R. The Potent OncogenesMN1 and MEIS1 Co-Localize at a Large Proportion of their Chromatin Target Sites Suggestive of a Higher Order Leukemogenic Regulatory Complex. ***(Exp Hematol. 2011 Aug;39(8) Suppl 1:S66-S67)***

242. 19th Annual International Conference on Intelligent Systems for Molecular Biology and 10th European Conference on Computational Biology, Vienna, Austria. Jul 2011. Krzywinski M, I Birol, S Jones, M Marra. Hive Panels – Understanding Network Structure with Rational Visualization.

243. 19th Annual International Conference on Intelligent Systems for Molecular Biology and 10th European Conference on Computational Biology, Vienna, Austria. July 2011. B irol I, Robertson G, Chu A, Westervelt P, Wilson RK, Ley TJ, Marra MA, Jones SJM. Establishing correlation networks between gene and miRNA expression.

244. 11th International Conference on Malignant Lymphoma. Lugano, Switzerland. June 2011. Steidl C, Shah SP, Woolcock BW, Rui L, Kawahara M, Farinha P, Telenius A, Ben Neriah S, Connors JM, Siebert R, Savage KJ, Jaffe ES, Staudt LM, Steidl U, Marra MA, Gascoyne RD. Discovery of CIITA Gene Fusions in B Cell Lymphomas by Next Generation Sequencing. ***(Ann Oncol. 2011 Jun;22 Suppl 4:148)***

245. 11th International Conference on Malignant Lymphoma. Lugano, Switzerland. June 2011. Gascoyne RD, Morin R, Mendez-Lago M, Mungall A, Johnson N, Scott D, Moore R, Connors J, Hirst M, Goya R, Rimsza L, Jones S, Horsman D, Mungall K, Marra MA. Next Generation Sequencing Reveals Genes Involved in Histone Modification are Frequently Mutated in Non-Hodgkin Lymphoma. ***(Ann Oncol. 2011 Jun;22 Suppl 4:101)***

246. 11th International Conference on Malignant Lymphoma. Lugano, Switzerland. June 2011. Schuetz J, Johnson N, Morin R, Marra M, Connors J, Brooks-Wilson A, Gascoyne R. BCL2 Mutations in Diffuse Large B-Cell Lymphoma. ***(Ann Oncol. 2011 Jun;22 Suppl 4:207)***

247. 87th Annual Meeting of the American Association of Neuropathologists. Seattle, WA. June 2011. Yip S, Butterfield Y, Morozova O, Blough M, Chan J, Maslova A, Chittaranjan S, Cairncross JG, Marra MA. Next Generation Sequencing of Oligodendroglioma - A Work in Progress. (***J Neuropathol Exp Neurol.*** 2011 Jun;70(6):505)

248. Garrod Symposium 2011. Calgary, AB. June 2011. KA Schrader, PJ Waters, A Heravi-Moussavi, M Marra, J Green, D Huntsman. A typical mucolipidosis III, diagnosed via whole-exome sequencing with biochemical confirmation. **(Platform presentation)**

249. Western Regional Islet Study Group 2011. Lake Arrowhead, CA. Apr 2011. Hoffman BG, Robertson G, Zhang X, Tennant B, Li L, Beach M, Whiting C, Marra MA, Gottardo R, Jones SJM, Hoodless PA. Identification of pancreatic islet specific enhancers.

250. 102nd American Association of Cancer Research Annual Meeting. Orlando, FL. Apr 2011. Morozova O, Birol I, Corbett R, Mungall K, Attiyeh EF, Asgharzadeh S, Zhao YJ, Moore RA, Hirst M, Jones S, Hogarty MD, Diskin S, Mosse YP, Diamond M, Sposto R, Ji L, Gerhard DS, Smith MA, Khan J, Seeger RC, Marra MA, Maris JM. Whole genome and transcriptome sequencing defines the spectrum of somatic changes in high-risk neuroblastoma.

251. 15th Annual International Conference on Research in Computational Molecular Biology. Vancouver, BC.

Mar 2011. Butterfield B, Morozova O, Maslova A, Blough M, Chittaranjan S, Chan J, Thiessen N, Varhol N, Zhao YJ, Hirst M, Corbett R, Yip S, Cairncross G, Marra M. Integrative genomic and transcriptome analysis of oligodendroglioma using next generation sequencing technology.

252. 15th Annual International Conference on Research in Computational Molecular Biology. Vancouver, BC. Mar 2011. Swanson L, Birol I, Sahinalp SC, Robertson G, Mungall K, Chiu R, Jackman S, Qian J, Lee S, Yorukoglu D, She R, Zhao YJ, Moore R, Marra M, Jones SJM, Karsan A, Hoodless H. Detecting Chimeric Transcripts in RNA-seq Data.

253. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Morin RD, Mendez-Lago M, Mungall AJ, Goya R1, Johnson NA, Severson TM, Mungall KL, Chiu R, Field M, Jackman S, Krzywinski M, Scott D, Trinh DL, Griffith M, Corbett R, Chan S, Zhao E, Smailus D, Moksa M, Rimsza L, Brooks-Wilson A, Meissner B, Woolcock B, Boyle M, McDonald H Tam A, Zhao YJ, Delaney A, Zeng T, Tse K, Butterfield Y, Birol I, Holt R, Schein J, Horsman DE, Moore R, Jones SJM, Connors JM, Hirst M, Gascoyne RD, Marra MA. Genome, Exome and Transcriptome sequencing reveals genes involved in histone modification and B-cell-receptor signalling are frequently mutated in non-Hodgkin lymphoma.

254. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Morrissy AS, Marra MA. Prognostic Value of Antisense-Correlated Splicing Events to Glioblastoma Multiforme.

255. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Goya R, Griffith M, Shah SP, Aparicio SA, Meyer IM, Marra MA. Exploring Alternative Splicing with RNA-Seq in Triple Negative Breast Cancers.

256. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Mungall AJ, Chu A, Chun HJE, Pleasance ED, Robertson G, Butterfield Y, Chiu R, Chuah E, Coope R, Dhalla N, Guin R, Hirst C, Lee D, Li I, Ma K Mayo M, Moksa M, Mungall K, Munro S, Prabhu A, Qian J, She R, Slobodan J, Smailus DE, Stoll D, Tam A, Thiessen N, Varhol R, Wong T, Zeng T, Birol I, Moore RA, Schein JE, Stazyk G, Zhao YJ, Hirst M, Jones SJM, Marra MA and the TCGA Research Network. Analyses of Approximately Two Hundred Acute Myeloid Leukemia Tumour Messenger and MicroRNA transcriptomes.

257. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Hirst M, Zhao YJ[1], Nielsen C, Tam A, Kamoh B, Ally A, Delaney A, Cheung D, Varhol R, Sigaroudinia M, Gascard P[2], Tlsty T, Choi Y[2], McManus M, Nagarajan R, Hong C, Echipare L, O'Geen H, Farnham P, Richards H, Wang T, Haussler D, Weiss A, Moore R, Jones SJM, Costello J, Marra MA. Reference Human Epigenomes.

258. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Coope R, Slobodan J, Smailus D, Jackman S, Hirst M, Marra M. Automated Size Selection and the Role of Separation Media in Insert Size Bias.

259. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Jones SJM, Birol I, Morozova O, Mungall K, Li S, Corbett R, Krzywinski M, Swanson L, Chiu R, Jackman SD, She R, Qian JQ, Attiyeh EF, Asgharzadeh A[4], Bilenky M, Kasaian K, Yorukoglu D, Thiessen N, Butterfield Y, Kamoh B, Ally A, Tam A, Hirst M, Zhao YJ, Robertson G, Varhol R, Moore R, Hogarty MD, Diskin S, Mosse YP, Diamond M, Sposto R, Ji L, Gerhard DS, Smith MA, Khan J, Seeger RC, Maris JM, Marra MA, the NCI TARGET Initiative. Integrative analysis of genome and transcriptome sequencing data from 10 neuroblastoma patients identifies nine transcript rearrangements.

260. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Butterfield YS, Morozova O, Maslova A, Blough MD[2], Chittaranjan S, Chan J, Thiessen N, Varhol R, Zhao YJ[1], Corbett R, Hirst M, Cairncross JG, Yip S, Marra MA. Integrative genomic and transcriptome analysis of oligodendroglioma using next generation sequencing technology.

261. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Fejes AP, An J, Li Y, Leach S, Zhao YJ, Varhol R, Qian J, Jackman S, Chiu R, Mungall K, Robertson G, She W, Hirst M, Birol I, Marra MA, Brooks-Wilson A, Jones SJM. Comparative Analysis of 4 Matched Normal Ductal Carcinoma in Situ Breast Cancer Cell-lines with 1600 NGS sequenced Libraries.

262. American Society of Hematology Annual Meeting. Orlando, FL, Dec 2010. Mungall AJ, Chu A, Chiu R, Corbett R, Field MA, Jackman SD, Mungall KL, Wong K, Boyle M, Carlsen R, Chan SY, Coope RJN, Hirst CA, Hirst M, Johnson N, Krzywinski M, Lee D, Lin JBX, Moore R, Severson T, Simpson JT, Steidl C, Zeng T, Zhao YJ, Birol I, Holt RA, Jones SJ, Gascoyne RD, Horsman DE, Connors JM, Schein JE, Marra MA. Base-Pair Resolution of Somatic and Germline-Derived Genome Rearrangement Breakpoints in Follicular Lymphoma.

263. American Society of Hematology Annual Meeting. Orlando, FL, Dec 2010. Mendez-Lago M, Morin RD, Mungall AJ, Chan S, Chittaranjan S, Severson TM, Goya R, Mungall K, Johnson NA, Boyle M, Woolcock B, Zeng T, McDonald H, An J, Yakovenko O, Tam A, Zhao YJ, Hirst M, Moore R, Schein JE, Jones SJ, Horsman DE, Gascoyne RD, Connors JM, Marra MA. Mutations in MLL2 and MEF2B Genes in Follicular Lymphoma and Diffuse Large B-Cell Lymphoma.

264. American Society of Hematology Annual Meeting. Orlando, FL, Dec 2010. Morin RD, Mendez-Lago M, Mungall AJ, Johnson NA, Goya R, Severson TM, Mungall K, An J, Yakovenko O, Jackman S, Krzywinski M, Griffith M, Chan S, Tam A, Smailus D, McDonald H, Moksa M, Woolcock B, Boyle M, Zeng T, Zhao YJ, Holt RA, Moore R, Schein JE, Birol I, Horsman DE, Jones SJ, Hirst M, Connors JM, Gascoyne RD, Marra MA. Identification of Genes Frequently Mutated in FL and DLBCL with Transcriptome, Genome and Exome Sequencing.

265. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2010. Mendez-Lago M, Morin RD, Mungall AJ, Chan S, Chittaranjan S, Severson TM, Goya R, Mungall K, Johnson NA, Boyle M, Woolcock B, Zeng T, McDonald H, An J, Yakovenko O, Tam A, Zhao YJ, Hirst M, Moore R, Schein JE, Jones SJ, Horsman DE, Gascoyne RD, Connors JM, Marra MA. Mutations in MLL2 and MEF2B Genes in Follicular Lymphoma and Diffuse Large B-Cell Lymphoma.

266. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2010. Morrissy S, Marra MA. Prognostic Value of Antisense-Correlated Splicing Events to Glioblastoma Multiforme.

267. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2010. Mungall AJ, Morin RD, An J, Yakovenko O, Boyle M, Johnson NA, Woolcock B, Leach S, Mayo M, Mendez-Lago M, Munro S, Zeng T, Zhao YJ, Hirst M, Holt RA, Moore RA, Schein JE, Gascoyne RD, Horsman DE, Connors JM, Jones SJ, Marra MA. Recurrent DNA Mutations In Non-Hodgkin Lymphomas Reveal Candidate Therapeutic Targets.

268. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2010. Morozova O, Hansford L, Mungall K, Attiyeh E, Corbett R, Thiessen N, Varhol R, Zhao YJ, Chiu R, Maslova A, Birol I, Jones S, Hirst M, Maris JM, Kaplan DR, Marra MA. Comparative Analysis of Primary Tumors and Metastases-Derived Tumor-Initiating Cells Provides Insights into Neuroblastoma Progression.

269. The American Society of Human Genetics Annual Meeting. Washington, DC. Nov 2010. du Souich C, Nowaczyk MJM, König A, Raymond FL, McLarren KW, Larstone R, Livesley J, Friedlander R, Marra MA, Boerkoel CF. Linking cholesterol biosynthesis and human behavior.

270. The American Society of Human Genetics Annual Meeting. Washington, DC. Nov 2010. Rupps R, van Karnebeek CD, Fejes A, Morimoto M, Shuen C, Markello T, Delaney A, Jones S, Marra M, Boerkoel CF. Progressive Systemic And Stenotic Vasculopathy: Candidate Genes Identified by Comparative Whole Exome Sequencing.

271. ImmunoVancouver 2010 Meeting. Vancouver, BC. June 2010. Nielsen JS, Macpherson N, Wick DA, Gascoyne RD, Connors JM, Marra MA, Webb JR, Nelson BH. Development of a platform to rapidly

translate genomic discoveries into therapeutic cancer vaccines.

272. European Human Genetics Conference. Gothenburg, Sweden. June 2010. du Souich C, McClarren K, Larstone R, Friedlander R, Livesley J, Severson TM, Stockton DW, Raymond FL, Marra MA, Boerkoel CF. Linking cholesterol metabolism and human behavior.

273. Advances in Neuroblastoma Research. Stockholm, Sweden. June 2010. Vojvodic M, Morozova O, Blakely KM, Grinshtein N, Hansford LM, Smith KM, Tong J, Taylor P, Irwin M, Moffatt J, Moran MF, Marra MA, Kaplan DR. Identification of signaling pathways and drug candidates using primary neuroblastoma cancer stem cells by phosphoproteomics and transcriptome sequencing.

274. 15th Congress of European Hematology Association. Barcelona, Spain. June 2010. Kuchenbauer F, Petriv OI, Delaney A, Lecault V, White A, Kent D, Marmolejo L, Heuser M, Berg T, Copley M, Ruschmann J, Sekulovic S, Antignano F, Kuroda E, Ho V, Benz C, Halim T, Giambra V, Krystal G, Eaves CJ, Takei F, Weng AP, Piret J, Marra MA, Humphries RK, Hansen CL. Profiling of microRNA Expression in Purified Hematopoietic Populations and in Single Cells.

275. 15th Congress of European Hematology Association. Barcelona, Spain. June 2010. Heuser M, Yun H, Argiropoulos B, Yung E, Kuchenbauer F, Park G, Lai C, Leung M, Lin G, Hamwi I, Thiessen N, Robertson G, Hirst M, Marra M, Ganser A, Humphries R. MEIS1 Controls Susceptibility to MN1-Induced Leukemic Transformation.

276. HUGO's 13th Human Genome Meeting, Montpellier, France. May 2010. Rose AM, O'Neil NJ, Bilenky M, Butterfield YS, Malhis N, Flibotte S, Jones MR, Marra M, Baillie DL, Jones SJ. Accumulated Changes in a Genome of a Strain with a Highly Modified Reciprocal Exchange Distribution. **(Oral presentation)**

277. Canadian Society of Immunology Annual Meeting. Niagara Falls, ON. Apr 2010. Nielsen JS, Connors JM, Gascoyne RD, Webb JR, Marra MA, MacPherson N, Nelson BH. Development of a platform to rapidly translate genomic discoveries into therapeutic cancer vaccines.

278. 9th Annual UT-ORNL-KBRIN Bioinformatics Summit. Cadiz, KY. Mar 2010. Jones SJM*, Laskin J, Li YY, Griffith OL, An J, Bilenky M, Butterfield YS, Cezard T, Chuah E, Corbett R, Fejes A, Griffith M, Yee J, Martin M, Mayo M, Melnyk N, Morin RD, Pugh TJ, Severson T, Shah SP, Sutcliffe M, Tam A, Terry J, Thiessen N, Thomson T, Varhol R, Zeng T, Zhao YJ, Moore RA, Huntsman DG, Birol I, Hirst M, Holt RA, Marra MA. Genomic analysis of a rare human tumor. ***(BMC Bioinformatics. 2010 Jul 23;11 Suppl 4:03)***

279. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Mungall AJ, Chu A, Chiu R, Corbett R, Field MA, Jackman SD, Mungall KL, Wong K, Boyle M, Carlsen R, Chan SY, Coope RJN, Hirst CA, Johnson N, Krzywinski MI, Lee D, Lin JB, Mayo M, Munro S, Severson T, Simpson JT, Steidl C, Zeng T, Zhao Y, Birol I, Hirst M, Holt RA, Jones SJ, Moore R, Gascoyne RD, Horsman DE, Connors JM, Schein JE, Marra MA. Base-Pair Resolution of Somatic and Germline-Derived Genome Rearrangement Breakpoints in Follicular Lymphoma. **(Oral presentation)**

280. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Birol I, Robertson G, Schein JE, Jackman S, Chiu R, Field M, Qian J, Raymond A, Mungall K, Nielsen C, Butterfield Y, Cézard T, Newsome R, Thiessen N, Griffith M, Varhol R, Zhao YJ, Hirst M, Moore R, Marra MA, Pamela A Hoodless, Steven JM Jones. High-Throughput Analysis of Transcriptome Assemblies. **(Oral presentation)**

281. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Morin RD, Johnson NA, Severson TM, Mungall AJ, An J, Paul JE, Boyle M, Woolcock BW, Kuchenbauer F, Goya G, Yap D, Humphries RK, Griffith OL, Shah S, Zhu H, Kimbara M, Shashkin P, Charlot JF, Tcherpakov M, Corbett R, Tam A, Varhol R, Smailus D, Moksa M, Zhao YJ, Delaney A, Qian H, Birol I, Schein J, Moore R, Holt R, Horsman DE, Connors JM, Jones S, Aparicio S, Hirst M, Gascoyne RD, Marra MA. Identifying recurrent somatic mutations in Follicular and Diffuse Large B-cell Lymphomas

using second-generation sequencing.

282. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Zhao YJ, Zeng T, Varhol R, Li I, Mayo M, Tam A, Chuah E, Wong T, Miller D, Smailus D, Stazyk G, Delaney A, Moore R, Birol I, Roscoe R, Holt R, Jones S, Hirst M, Marra MA. Production scale next generation sequencing.

283. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Goya R, Morin R, Wong T, Zhao YJ, Hirst M, Pilarski LM, Belch A, Reiman T, Marra MA. Detection of Changes in Tumor Heterogeneity Using Next-Generation Sequencing of Transcriptomes.

284. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Morrissy AS, Marra MA. The role of antisense transcription in the regulation of alternative splicing.

285. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Morozova O, Hansford L, Smith L, Maslova S, Cezard T, Morin R, Thiessen N, Varhol R, Zhao YJ, Jones S, Hirst M, Kaplan D, Marra M. Using sequence census data from cancer tissue compendia to discover novel drug targets for refractory neuroblastoma.

286. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Butterfield YS, Jones SJM, Laskin J, Li Y, Griffith O, An J, Bilenky M, Cezard T, Chuah E, Corbett R, Fejes A, Griffith M, Yee J, Martin M, Mayo M, Melnyk N, Morin RD, Pugh TJ, Severson T, Shah SP, Sutcliffe M, Tam A, Terry J, Thiessen N, Thomson T, Varhol R, Zeng T, Zhao Y, Moore R, Huntsman DG, Birol I, Hirst M, Holt RA, Marra MA. Evolution of an adenocarcinoma in response to selection by targeted kinase inhibitors.

287. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Fejes AP, Leach S, Zhao YJ, Varhol R, Hirst M, Marra MA, Brooks-Wilson A, Jones SJM. RNA-Seq Determination of Non-Synonymous Coding Mutations in 5 Breast Cancer Cell Lines and a Matched Cancer/Normal Set.

288. 51st American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 2009. Mungall AJ, Chu A, Chiu R, Corbett R, Field MA, Jackman SD, Mungall KL, Wong K, Boyle M, Carlsen R, Chan SY, Coope RJN, Hirst CA, Hirst M, Johnson N, Krzywinski M, Lee D, Lin JB, Moore R, Severson T, Simpson JD, Steidl C, Zeng T, Zhao YJ, Birol I, Holt RA, Jones SJ, Gascoyne RD, Horsman DE, Connors JM, Schein JE, Marra MA. Base-Pair Resolution of Somatic and Germline-Derived Genome Rearrangement Breakpoints in Follicular Lymphoma. **(Oral presentation)**

289. 51st American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 2009. Mullighan CG, Morin RD, Zhang J, Hirst M, Zhao YJ, Yan C, Finney R, Edmonson M, Su X, Buetow K, Carroll WL, Chen I-M, Devidas M, Gerhard DS, Harvey RC, Hu J, Loh ML, Reaman GH, Relling MV, Smith M, Downing JR, Hunger SP, Willman CL, Marra M. Next generation transcriptomic resequencing identifies novel genetic alterations in high-risk (HR) childhood acute lymphoblastic leukemia (ALL): A Report from the Children's Oncology Group (COG) HR ALL TARGET Project.

290. 51st American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 2009. Reiman T, Morin R, Goya R, Wong T, Zhao YJ, Hirst M, Pilarski LM, Belch A, Marra M. Comparative Whole Transcriptome Shotgun Sequencing (WTSS) of Myeloma at Diagnosis and at Drug-Resistant Relapse. **(Oral presentation)**

291. 51st American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 2009. Cheung KJ, Johnson N, Affleck J, Severson T, Steidl C, Ben-Neriah S, Schein J, Morin DR, Moore R, Shah SP, Qian H, Paul J, Tlenius A, Lai B, Relander T, Lam WL, Savage KJ, Connors JM, Brown C, Marra M, Gascoyne RD, Horsman DE. TNFRSF14 is mutated in a subset of follicular lymphoma and correlated with inferior prognosis.

292. Joint Meeting of the Society for Neuro-Oncology/American Association of Neurological

Surgeons/Congress of Neurological Surgeons. New Orleans, LA. Oct 2009. Nagarajan RP, Wang T, Johnson BE, Hong CB, Fouse S, Haussler D, Hirst M, Marra MA. Costello J. Deep sequencing of the DNA methylome of glioblastoma.

293. Human Proteome Organization Annual World Meeting, Toronto, ON. Sep 2009. Vojvodic M, Tong J, Morozova O, Smith KM, Hansford LM, Taylor P, Marra M, Moran MF, Kaplan DR. Phospho-Proteomic Analysis of Neuroblastoma Cancer Stem Cells Identifies B-Cell Receptor Signaling and SRC Family for Drug Targeting. **(Oral presentation)**

294. 38th Annual Scientific Meeting of the International Society for Hematology and Stem Cells. Athens, Greece. Sep 2009. Humphries K, Kuchenbauer F, Mah S, McPherson A, Berg T, Lai D, Murani AL, Hogge D, Starczynowski D, Karsan A, O'Connor M, Eaves C, Watahiki A, Wang Y, Aparicio S, Ganser A, Krauter J, Johnnidis J, Marra M, Carmargo F. Differential expression of miRNAs in cancer and a possible role in acute myeloid leukemia.

295. 38th Annual Scientific Meeting of the International Society for Hematology and Stem Cells. Athens, Greece. Sep 2009. Heuser M, Argiropoulos B, Yung E, Kuchenbauer F, Park G, Lai C, Chan S, Thiessen N, Robertson G, Hirst M, Marra M, Ganser A, Humphries AK. Transcriptional program defining cellular susceptibility to MN1-induced transformation.

296. International Society for Stem Cell Research (ISSCR) 7th Annual Meeting. Barcelona, Spain. July 2009. O'Connor MD, Yap D, Fee J, Zhao YJ, McDonald H, Zeng T, Hirst M, Marra MA, Aparicio S, Eaves CJ. High-throughput siRNA screening of human embryonal carcinoma cells reveals novel genes required for maintenance of human embryonic and induced pluripotent stem cells.

297. 42nd Annual Meeting of the Society for the Study of Reproduction. Pittsburgh, PA. July 2009. Ahn HW, Zhao H, Harris RA, Coarfa C, Milosavljevic A, Morin RD, Marra MA, Rajkovic A. Massive Parallel Sequencing of Small RNAs from Newborn Mouse Ovaries Identifies Novel miRNAs Preferentially Expressed in the Ovaries. **(Poster presentation)**

298. MicroRNA and Cancer Keystone Symposium. Keystone, CO. June 2009. Kuchenbauer F, Mah SM, Heuser M, Argiropoulos B, McPherson A, Morin RD, Rosten P, Berg T, Lai D, Starczynowski D, Karsan A, O'Connor MD, Eaves CJ, Aparicio SA, Ganser A, Krauter J, Johnnidis JB, Marra MA, Carmargo FD, Humphries RK. Emerging evidence of differential expression of miRNA*s and its contribution to the development of acute myeloid leukemia.

299. ASCO Annual Meeting. Orlando, FL. May-June 2009. Laskin JJ, Pugh TJ, Jackson C, Sutcliffe M, Ionescu D; Melosky B, Ho C, Sun S, Murray NR; Marra MA. Transcriptome-wide mutation discovery in patients in a phase II clinical trial of first-line erlotinib for clinically selected patients with advanced non-small cell lung cancer.

300. Canadian Human Genetics Conference. Harrison Hot Spring, BC. May 2009. Yang SW, Hitz M-P, Provost S, Chetaille P, Thibeault M, Bureau N, Riopel K, Bigras J-L, Richter A, Severson T, Marra M, Dubé M-P, Andelfinger G. Septal defects and left ventricular outflow tract obstruction: a novel syndrome mapping to Xq28.

301. Genome BC Genomics Forum and Research Exchange. Vancouver, BC. Apr 2009. Zeng T, Deng M, Ma K, Mah DG, McDonald H, Moksa M, Pandoh P, Tse K, Zhao YJ, Hirst M, Marra MA, Technology Development For Next-Generation Sequencing Platforms.

302. Genome BC Genomics Forum and Research Exchange. Vancouver, BC. Apr 2009.McDonald H, Pandoh P, Zeng T, Tse K, Hirst M, Marra MA. Massively Parallel Yeast Two Hybrid.

303. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Birol I, Jackman S, Wong K, Chan S, DiGuistini S, Simpson J, Woodsworth D, Liao N, Krzywinski M, Schein J, Marra MA, Jones SJM. Second Generation *de Novo* Assembly and Finishing.

304. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Hoodless PA, Wederell E, Bilenky M, Robertson G, Cullum R[1], Lee S, Hoffman B, Thiessen N, Tam A, Varhol R, Zhao YJ, Hirst M, Marra MA, Jones SJM. Deciphering Transcriptional Networks *in vivo* in the Mammalian Liver.

305. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL Feb 2009. Griffith OL, Li Y, Leach S, Mungall AJ, Griffith M, Fejes A, Lee H, Stratford A, Marra MA. Dunn SE, Brooks-Wilson A, Jones SJM. Identification of Novel Iressa Synergists by Illumina Sequencing and Drug Screening in Breast Cancer.

306. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Mungall AJ, Boyle M, Carlsen R, Chan SY, Corbett R, Chiu R, Chu A, Field M, Hirst C, Hirst M, Jackman S, Johnson N, Krzywinski MI, Lee D., Mungall K, Simpson J, Steidl C, Severson T, Wong K, Zeng T, Zhao Y, Birol I, Gascoyne RD, Horsman DE, Connors JM, Schein JE, Marra MA. Massively Parallel Sequencing of Genome Rearrangements in Follicular Lymphoma Patients Reveals Novel Somatic Mutations.

307. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Morozova O, Morin RD, Hansford L, Hirst M, McDonald H, Zhao Y, Kaplan DR, Marra MA. Defining the identity of neuroblastoma tumor initiating cells via massively parallel transcriptome sequencing.

308. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Pugh TJ, Laskin JJ, Asano J, Barclay L, Chan S, Morin RD, Sutcliffe M, Yang C, Ho C, Ionescu D, Jackson C, Lam S, Lee C, McWilliams A, Melosky B, Murray NR, Sun S, Marra MA. Transcriptome-wide mutation detection in pre-treatment lung cancers from individuals likely to benefit from erlotinib treatment.

309. 50th American Society of Hematology Annual Meeting & Exposition. San Francisco, CA. Dec 2008. Kuchenbauer F, Petriv OI, Delaney A, Kent D, Heuser M, Mah SM, Copley M, Ruschmann J, Antignano F, Kuroda E, Ho V, Benz C, Halim T, Giambra V, Krystal G, Eaves CJ, Takei F, Weng AP, Marra MA, Hansen CL, Humphries RK. Comprehensive profiling of microRNAs in murine hematopoietic stem cells and lineages using a microfluidics approach. ***(Blood. 2008 Nov 16;112(11):857)***

310. 50th American Society of Hematology Annual Meeting & Exposition. San Francisco, CA. Dec 2008. Kent DG, Copley MR, Benz C, Wöhrer S, Dykstra BJ, Ma E, Cheyne J, Zhao Y, Bowie M, Zhao Y, Gasparetto M, Delaney A, Smith C, Marra M, Eaves CJ. New Candidate Regulators of Hematopoietic Stem Cells with High Self-renewal Activity. ***(Blood. 2008 Nov 16;112(11): 854-855)***

311. 50th American Society of Hematology Annual Meeting & Exposition. San Francisco, CA. Dec 2008. Zhao Y, Delaney A, Raouf A, Raghuram K, Li HYI, Schnerch A, Jiang XY, Eaves AC, Marra MA. Differentially Expressed and Novel Transcripts in Highly Purified Chronic Phase CML Stem Cells. ***(Blood. 2008 Nov 16;112(11): 79)***

312. 50th American Society of Hematology Annual Meeting & Exposition. San Francisco, CA. Dec 2008. Starczynowski DT, Kuchenbauer F, Argiropoulos B, Sung S, Morin R, Muranyi AL, Hirst M, Hogge DE, Marra M, Wells RA, Lam W, Humphries RK, Karsan A. Identification of Mir-145 and Mir-146a as microRNAs involved in the pathogenesis of 5q-syndrome. ***(Blood. 2008 Nov 16;112(11): 316)***

313. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Griffith M, Pugh TJ, Tang MJ, Morin RD, Asano JK, Ally A, Chan SY, Taylor G, Morin GB, Tai IT, Marra MA. Genomic analysis of uridine monophosphate synthetase reveals novel mRNA isoforms associated with fluorouracil resistance in colorectal cancer.

314. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Morozova O, Morozov V,

Hirst M, Marra MA. Defining expression signatures of known cancer genes using seriation analysis of SAGE libraries from Cancer Genome Anatomy Project (CGAP).

315. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Mungall, AJ, Boyle M, Carlsen R, Chan SY, Corbett R, Chiu, R, Chu A, Field M, Hirst C, Johnson N, Krzywinski MI, Lee D, Mungall K, Simpson J, Steidl C, Severson T, Wong K, Zeng T, Birol I, Hirst M, Schein JE, Gascoyne RD, Horsman DE, Connors JM, Marra MA. Sequence Validation Of Candidate Genome Rearrangements in Follicular Lymphoma Patients Reveals Novel Gene Fusion Events.

316. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Paul J, Severson T, Cheung JK, Schein J, Horsman D, Marra M. Detailed Characterization Of The Lymphoma 1p36 Deletion.

317. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Morrissy S, Morin R, Delaney A, Zeng T, McDonald H, Hirst M, Jones S, Marra M. Exploring The Transcriptome Of Cancer And Normal Tissues Using A Novel Tag Sequencing Approach.

318. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. McPherson A. Morin R, Wu D, Aparicio S, Marra M. An investigation into microRNA profiles and microRNA editing in breast cancer cells using next generation sequencing.

319. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Farnoud N, Delaney A, Li I, Schein J, Marra M. Characterization of DNA Copy Number Variations in Lymphoma Genomes.

320. Genome Informatics. Hinxton, UK. Sep 2008. Krzywinski M, Schein J, Birol I, Jones S, Marra M. Circos: an Information Aesthetic for Comparative Genomics.

321. 10th International Conference on Malignant Lymphoma (ICML). Lugano, Switzerland. June 2008. Schein J, Krzywinski M, Hirst C, Chiu R, Chu A, Corbett R, Field M, Simpson J, Wong K, Carlsen R, Lee D, Boyle M, Chan S, Cheung KJ, Coope R, Delaney A, Flibotte S, Li I, Moore R, Severson T, Steidl C, Qian H, Wye N, Johnson N, Birol I, Jones S, Gascoyne R, Horsman D, Connors J, Marra A. Structural Rearrangement Discovery in Follicular Lymphoma Genomes. ***(Annals of Oncology. 2008 Jun; 19:178-129 Suppl 4)***

322. 10th International Conference on Malignant Lymphoma (ICML). Lugano, Switzerland. June 2008. Cheung KJ, Shah S, Steidl C, Johnson N, Relander T, Telenius A, Lai B, Qian H, Murphy K, Lam W, Marra M, Connors JM, Ng R, Gascoyne RD, Horsman D. Genome-wide profiling of follicular lymphoma by array comparative genomic hybridization reveals prognostically significant DNA copy number imbalances. ***(Annals of Oncology. 2008 Jun; 19:94 Suppl 4)***

323. 44th ASCO Annual Meeting. Chicago, Il. May-June 2008. Laskin JJ, Pugh T, Jackson C, Barclay L, Sutcliffe M, Ionescu D, Lam S, McWilliams A; Melosky B Ho C, Murray NR; Marra M. Genomic sequencing in a phase II clinical trial of first-line therapy of erlotinib for clinically selected patients with advanced non-small cell lung cancer.

324. Digestive Disease Week. San Diego, CA, USA. May 2008. Griffith M, Tang MJ, Chan S, Asano J, Ally A, Pugh T, Tai IT and Marra MA. Identification of differentially expressed alternative mRNA isoforms associated with chemotherapy resistance in colon cancer cell lines. ***(Gastroenterology. 2008 Apr;134(4):A444-A444(1))***

325. 99th Annual Meeting of the American Association for Cancer Research. San Diego, CA. Apr 2008. Romanuik TL, Delaney MD, Marra MA, Sadar MD. Gene expression signatures associated with progression of prostate cancer to androgen-independence. (***Proceedings of the AACResearch Annual Meeting. 2008 Apr; 49: 400)***

326. Canadian Breast Cancer Research Alliance Conference. Vancouver, BC. Apr 2008. Eaves C, Eirew P, Raouf A, Stingl J, Turashvili G, Delaney A, Emerman J, Marra M, Aparicio S. Stem Cells in the Mammary Gland.

327. Genomic Disorders Conference. Hinxton, Cambridgeshire, UK, Mar 2008. Zahir FR, Adam S, Armstrong L, Delaney AD, Eydoux P, Marra MA, Van-Allen M, Friedman JM. Assessing pathogenicity of *de novo* CNVs in children with idiopathic mental retardation.

328. The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. Delaney A, Li I, Zhao Y, McDonald H, Zeng T, Hirst M, Hoodless PJ, Marra MA. An Illumina sequencing approach for tag-based transcriptome analysis. **(Platform presentation)**

329. The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. Hirst M, Delaney A, Zhao Y, Zeng t, Varhol R, Ingham M, Tam A, Prabhu A-L, Dhalla N, Pandoh P, Kamoh B, Kirk H, Ma K, Moksa M, Mah D, Lee S, Deng M, Li I, Charters A, Wong T, Robertson G, Bilenky M, Guin R, Jones S, Marra MA. A production scale next generation sequencing platform. **(Platform presentation)**

330. The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. Birol I, Simpson J, Wong K, Schein J, Marra M, Jones S. .De Novo Assembly of Short Sequence Reads. **(Platform presentation)**

331. Pacific Symposium of Biocomputing. Kohala Coast, HI, USA. Jan 2008. Griffith M, Tang M, Griffith O, Morin R, Chan S, Asano J, Zeng T, Flibotte S, Ally A, Baross A, Hirst M, Jones S, Morin G, Tai I and Marra MA. ALEXA – A microarray design platform for alternative expression analysis.

332. UBC Genetics and Bioinformatics Graduate Retreat. Vancouver, BC. Dec 2007. Morozova O, Morozov Y, Chikatamarla A, Bilenky M, Robertson G, Marra M. From pottery styles to mouse development: a method for delineating mammalian transcriptional regulatory networks. **(Best Poster Award - Bioinformatics category)**

333. UBC Genetics and Bioinformatics Graduate Retreat. Vancouver, BC. Dec 2007. Hou YC, Chittaranjan S, Marra MA, Gorski SM. Common regulators of apoptosis and autophagy-an analysis of known cell death genes in starvation-induced autophagy**. (Best Poster Award – Genetics category)**

334. 49th American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 2007. Zhao YJ, Delaney A, Marra MA, Jiang XY, Eaves AC, Eaves CJ. Comparative transcriptome analysis of different subsets of CD34(+) normal and chronic myeloid leukemia cells identifies novel perturbations in the CML stem cell population. (***Blood. 2007 Nov 110(11):19a-19A Part 1)***

335. 49TH American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 2007. Kuchenbauer F, Morin R, Staaf J, Borg A, Argiropoulos B, Delaney A, Zeng T, McDonald H, Hirst M, Rovira C, Marra M, Humphries RK. Accurate Detection of the microRNA Transcriptome in a Leukemia Progression Model. (***Blood. 2007 Nov 16;110(11):265A Part 1)***

336. 49TH American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 2007. Cheung K-J, Telenius A, Lai B, Johnson N, Relander T, Steidl C, Baross A, Qian H, Schein J, Marra M, Connors JM, Gascoyne RD, Horsman DE. High Frequency of 1p36.32 Deletion or Loss of Heterozygosity in Follicular Lymphoma (FL). (***Blood***. ***2007 Nov 110(11):61A Part 1)***

337. 49TH American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 2007. Kent D, Zhao Y, Bowie M, Dykstra B, Cheyne J, Zhao YJ, Delaney A, Hirst M, Marra M, Eaves CJ. Differences in the Transcriptomes of Highly Purified Fetal Liver and Adult Bone Marrow Hematopoietic Stem Cells Revealed by Long Serial Analysis of Gene Expression (LongSAGE). (***Blood***. ***2007 Nov 110(11):384A Part 1)***

338. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Bosdet I, Marra M, Gorski S. Programmed cell death in the drosophila retina – characterizing the echinus locus.

339. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Petrescu A, Delaney A, Marra M. Tag Sequencing Approaches for the Detection of Cis-Encoded Antisense Transcription.

340. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Farnoud N, Chan S, Flibotte

S, Delaney A, Friedman JM, Marra M. DLOH: A novel bioinformatics tool for detection of CN deletions using LOH data.

341. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Griffith M, Tang MJ, Griffith OL, Chan SY, Asano JK, Zeng T, Flibotte S, Ally A, Baross A, Morin RD, Hirst M, Jones SJM, Morin GB, Tai IT, Marra MA. ALEXA –a microarray design platform for alternative expression analysis.

342. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Pugh TJ, Keyes M, Moore RA, Barclay L, Thomas D, Yang C, Pickles T, Mckenzie M, Morris JW, Agranovich A, Marra MA. Discovery of variants in DNA repair genes associated with late side-effects in prostate brachytherapy patients.

343. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Pugh TJ, Delaney AD, Farnoud N, Flibotte S, Griffith M, Li I, Farinha P, Gascoyne RD, Marra MA. Two wrongs make a right: the use of whole genome amplification for pair-wise genome-wide copy number analysis of limited patient material.

344. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Moore RA, Mayo MR, Wagner SA, Pugh TP, Axam HJ, Cruz KL, Matsuo C, Sze WK, Tam B, Thomas, D, Tomescu A, Trinh EK, Wilton JM, Marra MA, Holt RA. High-throughput amplicon sequencing platform at the BCCA, Genome Sciences Centre.

345. UBC Medical Genetics Research Day. Vancouver, BC. Oct 2007. Griffith M, Tang MJ, Griffith OL, Chan SY, Asano JK, Zeng T, Flibotte S, Ally A, Baross A, Morin RD, Hirst M, Jones SJM, Morin GB, Tai IT, Marra MA. ALEXA – A microarray design platform for alternative expression analysis.

346. The American Society of Human Genetics 57th Annual Meeting. San Diego, CA. Oct 2007. Friedman JM, Adam S, Arbour L, Armstrong L. Baross A, Birch P, Boerkoel C, Chan S, Delaney AD, Eydoux P, Flibotte S, Gibson WT, Langlois S, Li H, MacLeod P, McGilliray B, Michaud J, Patel M, Qian H, Rouleau G, Schein J, Van Allen M, Yong S-L, Zahir F, Marra M. Frequent detection of both pathogenic and apparently benign *de novo* copy number variants by Affymetrix 500K GeneChip® array genomic hybridization in children with idiopathic mental retardation.

347. 36th Annual Meeting of the International Society for Experimental Hematology. Hamburg, Germany. Sep 2007. Kuchenbauer F, Morin R, Delaney A, Zeng T, McDonald H, Hirst M, Marra M, Humphries K. Comprehensive and quantitative detection of microRNAs in a leukemia progression model using a high throughput Solexa™ based sequencing platform. (***Exp Hematol***. ***2007 Sep;35(9):77 Suppl.2)***

348. 36th Annual Meeting of the International Society for Experimental Hematology. Hamburg, Germany. Sep 2007. Zhao Y, Delaney A, Marra MA, Eaves AC, Eaves CJ. Comparative transcriptome analysis of normal and chronic myeloid leukemia stem cells.

349. 12th IASLC World Conference on Lung Cancer. Seoul, Korea. Sep 2007. Laskin JJ, Pugh T, Keogh C, Barclay L, Sutcliffe M, Ionescu D, Lam S, Melosky B, Ho C, Murray NR, Lee CW, Marra M. Correlative genetics in a phase II clinical trial of first-line therapy of erlotinib for clinically selected patients with advanced non-small cell lung cancer. **(Poster presentation) (*J Thoracic Oncol. 2007 Aug; 2(8):S442-S443 Suppl.S)***

350. 12th IASLC World Conference on Lung Cancer. Seoul, Korea. Sep 2007. Pugh TJ, Delaney AD, Flibotte S, Farnoud N, Li I, Farinha P, Gascoyne RD, Marra MA. Two Wrongs Make A Right: The Use of Whole-Genome Amplification for Pair-Wise Genome-wide Copy Number Analysis of Limited Patient Material.

351. 50th Annual Conference of the Canadian Society of Biochemisty, Molecular and Cellular Biology. Montreal, QC. Jul 2007. Morozova O and Marra MA. From cytogenetics to next-generation sequencing technologies: advances in the detection of genome rearrangements in tumors. (***Biochem Cell Biol***. ***2008 Apr;86(2):81-91)***

352. 66th Society of Developmental Biology Annual Meeting. Cancun, Mexico. June 2007 Hoffman B, Kok D, Witzsche J, Hirst M, Robertson G, Hoodless PA, Jones S, Marra M, Helgason CD. Genome-wide analysis of Nkx2.2 binding sites using ChIP- tag sequencing (ChIP-TS). (***Develop Biol*. *2007 June 1,306 (1):354)***

353. 5th ISSCR Annual Meeting. Cairns, Queensland, Australia. June 2007. Morin RD, Delaney A, O'Connor M, Prabhu A-L, Zhao Y, McDonald H, Zeng T, Hirst M, Eaves C, Marra MA. Identification of small RNAs important in embryonic stem cells and their differentiation.

354. 5th ISSCR Annual Meeting. Cairns, Queensland, Australia. June 2007. Salvagiotto G, Vodyanik M, Ruotti V, Stewart R, Zhao Y, Marra M, Thomson J, Eaves C, Slukvin I. Molecular Profiling of Human Embryonic Stem Cell (ESC)-Derived Lymphohematopoietic Progenitors Reveal Altered Expression of Genes Associated with Hematopoietic Stem Cell (HSC) Self-Renewal and Survival.

355. 1st Michael Smith Laboratories Poster Event, University of British Columbia. Vancouver, BC. May 2007. Pugh TJ, Delaney AD, Flibotte S, Farnoud N, Li I, Farinha P, Gascoyne RD, Marra MA. Copy Number Biases Induced by Whole Genome Amplification & the Use of Amplified Material for Pair-Wise Analysis.

356. 1st Michael Smith Laboratories Poster Event, University of British Columbia. Vancouver, BC. May 2007. Petrescu A, Delaney A, Marra M. Massively Parallel Sequencing Approaches for the Detection of Cis-Encoded Antisense Transcription.

357. HUGO's 12th Human Genome Meeting. Montreal, QC. May 2007. **Morozova O**, Morozov V, Bilenky M, Robertson G, Marra M. From pottery styles to mouse development: a method for delineating mammalian transcriptional regulatory networks.

358. 3rd International DECIPHER Symposium, Wellcome Trust Conference Programme. Hinxton, UK. May 2007. Friedman JM, Delaney A, Adam S, Arbour L, Armstrong L, Baross A, Birch P, Boerkoel C, Chan S, Gibson WT, Qian H, Langlois S, McGillivray BC, Patel M, Van Allen MI, Yong S-L, Zahir F, Eydoux P, Marra M. Affymetrix 500K GeneChip® Array Genomic Hybridiation in Children with Idiopathic Mental Retardation: The Vancouver Experience.

359. Seventh International Workshop on Molecular Aspects of Myeloid Stem Cell Development and Leukemia. May 2007. Annapolis, MD. Zhao Y, Jiang X, Delaney A, Marra M, Eaves A, Eaves C. Comparative transcriptome analysis of normal and CML stem cell populations.

360. Keystone Symposia (Autophagy in Health and Disease). Monterey, CA. Apr 2007. Chittaranjan S, McConechy M, Hou YC, Freeman JD, Marra MA, Gorski SM. Steroid hormone control of cell death and cell survival: molecular insights using RNAi.

361. Keystone Symposia (Autophagy in Health and Disease). Monterey, CA. Apr 2007. Hou YC, Chittaranjan S, Marra MA, Gorski SM. Common regulators of apoptosis and autophagy – an analysis of known cell death genes in starvation-induced autophagy.

362. 2007 IEEE International Symposium on Biomedical Imaging: From Nano to Macro. Washington, DC. Apr 2007. Furhmann DR, Corbett R, Birol I, Schein J, Qu Y, Mathewson C, Lee D, Johnson L, Saeedi P, Krzywinski M, Field M, Marra M. Large-insert clones as markers in DNA fingerpringing gels.

363. The 8th Annual AGBT Conference. Marco Island, FL. Feb 2007. Delaney AD, Hirst M, Schroth G, Zeng T, Zhao Y, Moore R, Holt RA, Jones S, Marra MA. First Steps towards the use of High Throughput Tag Sequencing: SAGE Libraries using Solexa Sequencing. **(Platform presentation)**

364. The 8th Annual AGBT Conference. Marco Island, FL. Feb 2007. Delaney AD, Baross A,Li HI, Nayar T, Flibotte S, Chan SY, Asano J, Ally A, Birch P, Brown-John M, Cao M, Fernandes N, Go A, Kennedy G, Langlois S, Eydoux P, Friedman JM, Marra MA. Assessment of Algorithms for Detection of Genomic Copy Number Variation in Oligonucleotide Microarray Data. **(Platform presentation)**

365. The 8th Annual AGBT Conference. Marco Island, FL. Feb 2007. Hirst M, Zeng T, Tse K, Delaney A, Pang J, Wang J, Taylor G, Deng A, Moksa M, Fichter K, Mah D, Go A, Morin RD, Baross A, Wagner L, Jang W, Shenmen C, Temple G, Gerhard DS , Holt R, Jones S, Marra MA. Directed cloning of human and mouse genes by RT-PCR reveals a large collection of alternatively spliced transcripts.

366. The 8th Annual AGBT Conference. Marco Island, FL. Feb 2007. Schein J, Krzywinski M, Birol I, Chiu R, Field M, Wong K, Johnson L, Lee D, Mathewson C, Ali J, Baross A, Bosdet I, Chan S, Corbett R, Delaney A, Li I, Pugh T, Warren R, Yang G, Johnson N, Relander T, Holt R, Jones S, Gascoyne R, Horsman D, Connors J, Marra M. Multi-Patient High-Resolution Genome Rearrangement Discovery in Follicular Lymphoma.

367. The 8th Annual AGBT Conference. Marco Island, FL. Feb 2007. Pugh TJ, Farnoud N, Li HI, Farinha P, Gascoyne RD, Marra MA. Copy number biases induced by whole genome amplification are related to genome location and GC content.

368. The 8th Annual AGBT Conference. Marco Island, FL. Feb 2007. Chun HJE, Ralph SG, Cooper D, Kirkpatrick R, Palmquist D, Wynhoven B, Kolosova N, Oddy C, Jancsik S, Douglas CJ, Yang G, Holt, RA, Jones SJM, Marra MA, Ritland K, Bohlmann J. The poplar transcriptome: Analysis of 4,664 sequence-verified full-length cDNAs.

369. The 8th Annual AGBT Conference. Marco Island, FL. Feb 2007. Petrescu A, Delaney A, Marra M. An assessment of the utility of LongSAGE in detecting Cis-encoded sense-antisense transcription.

370. The 8th Annual AGBT Conference. Marco Island, FL. Feb 2007. Griffith M, Tang M, Chan S, Asano J, Griffith O, Zeng T, Flibotte S, Baross A, Hirst M, Tai I, Marra M. ALEXA – A computational platform for alternative expression analysis.

371. Lab Automation 2007. Palm Springs, CA. Jan 2007. Coope R, Guggenheimer K, Eugster P, Mathewson C, Schein J, Marra M. Automation for Agarose Based Clone Fingerprinting.

372. University of British Columbia, Medical Genetics Research Day. Vancouver, BC. Dec 2006. Griffith M, Tang M, Chan S, Asano J, Baross A, Tai I, Marra M. Identification Of Differentially Expressed Exons Associated With Chemotherapy Resistance In Colon Cancer Cell Lines.

373. Stem Cell Network 2006 Annual General Meeting. Ottawa, ON. Nov 2006. Hirst M, Delaney A, Rogers SA, Schnerch A, O'Connor MD, Zeng T, Moksa M, Fichter K, Mah D, Go A, Zhao Y, Khattra J, Prabhu A-L, Pandoh P, McDonald H, Dhalla N, Ma K, Lee S, Ally A, Chahal N, Siddiqui A, Holt R, Jones S, Gerhard DS, Thomson JA, Eaves CJ, Marra MA. A novel transcript identified by LongSAGE is a specific transcriptional marker of pluripotency in human embryonic stem cells.

374. BC Cancer Annual Cancer Conference. Vancouver, BC. Nov 2006. Khattra J, Morin R, Schnerch A, O'Connor M, Hirst M, Eaves C, Marra M. Characterization of novel protein-coding genes enriched in human ES cells.

375. BC Cancer Annual Cancer Conference. Vancouver, BC. Nov 2006. Qadir MA, Le D, Kwok B, To KH, Oomah S, McConechy M, Marra MA, Gorski SM. siRNA Mediated Chemosensitization of Breast Cancer Cells by Inhibiting Autophagy.

376. BC Cancer Annual Cancer Conference. Vancouver, BC. Nov 2006. Petrescu A., Delaney A., Marra M. An assessment of the utility of LongSAGE in detecting cis-encoded sense-antisense transcription.

377. BC Cancer Annual Cancer Conference. Vancouver, BC. Nov 2006. Hirst M, Delaney A, Rogers SA, Schnerch A, O'Connor MD, Zeng T, Moksa M, Fichter K, Mah D, Go A, Zhao Y, Khattra J, Prabhu A-L, Pandoh P, McDonald H, Dhalla N, Ma K, Lee S, Ally A, Chahal N, Siddiqui A, Holt R, Jones S, Gerhard DS, Thomson JA, Eaves CJ, Marra MA. A novel transcript identified by LongSAGE is a specific transcriptional marker of pluripotency in human embryonic stem cells.

378. BC Cancer Annual Cancer Conference. Vancouver, BC. Nov 2006. Chittaranjan S, Sandhu H, Wilton J, Ling I, Kuzyk M, Morin G, Marra M, Gorski S. Characterization of a novel autophagy-related gene in *Drosophila.*

379. BC Cancer Annual Cancer Conference. Vancouver, BC. Nov 2006. Griffith M, Tang M, Chan S, Asano J, Baross A, Tai I, Marra M. Identification of differentially expressed exons associated with chemotherapy resistance in colon cancer cell lines.

380. BC Cancer Annual Cancer Conference. Vancouver, BC. Nov 2006. Baross A, Delaney AD, Li HI, Nayar T, Flibotte S, Chan SY, Asano J, Ally A, Birch P, Brown-John M, Cao M, Fernandes N, Go A, Kennedy G, Langlois S, Eydoux P, Friedman JM, Marra MA. Assessment of Algorithms for Detection of Genomic Copy Number Variation in Oligonucleotide Microarray Data.

381. Cancer Genomics and Emerging Technologies 2006 Conference. Cambridge, MA. Oct 2006. Marra MA, Krzywinski M, Chiu R, Field M, Birol I, D'Souza B, Bosdet I, Mathewson C, Lee D, Baross A, Pugh T, Gascoyne R, Horsman D, Holt R, Relander T, Johnson N, Schein J, Connors JM. Mapping genome rearrangements in follicular lymphoma.

382. Cancer Genomics and Emerging Technologies 2006 Conference. Cambridge, MA. Oct 2006. Delaney AD, Li HI, Nayar T, Baross Á, Chan SY, Asano J, Ally A, Birch P, Langlois S, Eydoux P, Friedman JM, Marra MA Searching for Copy Number Polymorphism using Affymetrix GeneChip® Mapping Arrays. **(Platform presentation)**

383. Cancer Genomics and Emerging Technologies 2006 Conference. Cambridge, MA. Oct 2006. Baross A, Delaney AD, Li HI, Nayar T, Flibotte S, Chan SY, Asano J, Ally A, Birch P, Brown-John M, Cao M, Fernandes N, Go A, Kennedy G, Langlois S, Eydoux P, Friedman JM, Marra MA. Assessment of Algorithms for Detection of Genomic Copy Number Variation in Oligonucleotide Microarray Data.

384. Cancer Genomics and Emerging Technologies 2006 Conference. Cambridge, MA. Oct 2006. Pugh TJ, Li HI, Farinha P, Gascoyne RD, Marra MA. Genome Structural Fidelity of Whole Genome Amplification & Tissue Archival.

385. ASHG 56th Annual Meeting. New Orleans, LO. Oct 2006. Delaney AD, Li I, Nayar T, Baross A, Ally A, Asano J, Bailey D, Birch P, Brown-John M, Cao M, Chan S, Eydoux P, Fernandes N, Flibotte S, Go A, Holt RA, Kennedy G, Langlois S, Friedman JM, Marra MA. Gene copy number variation and the limits of detection using Affymetrix Genechip® Human Mapping 100k and 500k Arrays.

386. ASHG 56th Annual Meeting. New Orleans, LO. Oct 2006. Zahir, Baross A, Delaney AD, Eydoux P, Firth HV, Gibson WT, Langlois S, Martin H, Marra M, Thuresson A-C, Vermeesch J, Willat J, Yong SL, Friedman JM. Genotype-phenotype correlations for sub-microscopic copy number variants.

387. 4th Annual Meeting of the International Society for Stem Cell Research. Toronto, ON. June 2006. Hirst M, Delaney A, Rogers SA, Schnerch A, Persaud DR, Zeng T, Zhao Y, Morin R, Siddiqui A, Thomson JA, Eaves CJ, Marra MA. Characterizing the Expressed Genome of Human Embryonic Stem Cells through Deep LongSAGE Profiling Coupled with High-Throughput Race Rescue of Novel Transcripts.

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element discovery.

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583. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. Romanuik T, Quayle S, Hwang, D, Marra M, Sadar MD. SAGE analysis of androgen-independent prostate cancer.

584. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. Zhao Y, Raouf A, Khattra J, Schnerch A, Marra M, Eaves C. A novel method to amplify RNA extracts from small numbers of cells for Serial Analysis of Gene Expression (SAGE).

585. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. Mansfield BA, McConechy M, Marra MA, Gorski SM. A Functional Genomics Approach to the Discovery of Novel Cell Death Genes.

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594. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. Pleasance E, Gorski S, Griffith O, Marra M, Jones S. Programmed Cell Death in Cancer: Expression patterns of genes involved in apoptosis and autophagic cell death.

595. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. Hou C, Chittaranjan S, Marra M, Gorski S. The role of AKAP200 in programmed cell death.

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597. 9th International Conference on Applied Genomics. Amsterdam, The Netherlands. Oct 2003. Quayle S, Hare H, Hwang D, Jones S, Schein J, Marra M, and Sadar M. Subtractive hybridization for identifying novel expressed sequences in prostate cancer.

598. 15th International Genome Sequencing and Analysis Conference. Savannah, GA. Sep 2003. Holt RA, Astell CR, Jones SJM, Brooks-Wilson A, Marra MA. The Genome Sequence of the SARS Associated Coronavirus.

599. The Second Annual General Meeting of the Stem Cell Network. Vancouver, BC. Sep 2003. Zhao Y, Raouf A, Khattra J, Schnerch A, Marra M, Eaves C. A novel method to amplify RNA extracts from small numbers of cells for Serial Analysis of Gene Expression (SAGE).

600. 1st Canadian Plant Genomics Workshop. Saskatoon, SK. Aug 2003. Jones SJM, Zuyderduyn S, Varhol R, Oveisi M, Fjell C, Leung D, Robertson N, Rusaw S, Ruzanov P, Pleasance ED, Schnerch A, Vatcher G, Siddiqui A, Marra M. Integrated genomic approaches to interpreting gene expression.

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M, Marra M, Minna J, Lam S, Tsao M, MacAulay C, Lam W. Construction of a high resolution CGH array for chromosome 5p and analysis of SCLC and NSCLC Cell Lines.

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604. 10th World Congress on Lung Cancer. Vancouver, BC. Aug 2003. Chan THW, MacAulay C, Lam W, Lam S, Lonergan K, Jones S, Marra M, Ng RT. Using the permutation test to analyze lung cancer sage libraries.

605. 11th Conference of the International Society for Molecular Plant-Microbe Interactions. St. Petersburg, Russia. July 2003. Bakkeren G, Hu GG, Linning R, McCallum B, Banks T, Cloutier S, Butterfield Y, Liu J, Kirkpatrick R, Stott J, Yang G, Smailus D, Jones S, Marra M, Schein J. Generation of a wheat leaf rust fungus, Puccinia triticina, EST database from stage-specific cDNA libraries.

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609. 46th Annual Thomas L. Petty Aspen Lung Conference. Aspen, CO. June 2003. MacAulay C, Lonergan K, Chi B, Zuyderduyn S, Schein J, Tsao M, LeRiche J, Jones S, Marra M, Lam S, Lam W. Serial analysis of gene expression profiles of developmental stages in non-small cell lung carcinoma.

610. IUFRO Tree Biotechnology Meeting. Umea, Sweden. June 2003. Tuskan GA, DiFazio S, Wullschleger S, Ritland K, Bohlmann J, Douglas C, Ellis B, Marra M, Chapman J, Richardson P, Rokhsar D. The Populus Genome: Development of an Information Resource.

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614. 12th Annual Canadian Genetic Diseases Network Scientific Meeting. Kananaskis, AB. May 2003. Campbell G, Bosdet I, Butland S, Devon R, Hayden M, Leavitt B, Marra M, Wilkinson A, Ouellette F. GeMS DB: A database integrating clinical and experimental data for the study of Genomic Mutational Signature Sequences.

615. The Genome of Homo Sapiens. Cold Spring Harbor Laboratory, NY. May 2003. The Genome Canada C. elegans II Consortium. Preliminary analysis of expression profiles of human ortholog genes in *C. elegans.*

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622. 1st Canadian Gene Expression Conference. Vancouver, BC. Mar 2003. Gorski SM, Chittaranjan S, Pleasance ED, Freeman JD, Anderson CL, Varhol RJ, Coughlin SM, Zuyderduyn SD, Jones SJM, Marra MA. A SAGE Approach to Discovery of Genes Involved in Autophagic Cell Death.

623. The ASI Exchange 2003. Vancouver, BC. Mar 2003. Saeedi P, Krzywinski M, Jones S, Marra MA. Automated lane tracking for DNA gel images.

624. Children's and Women's Health Centre of BC Student Research Forum. Vancouver, BC. Mar 2003. Campbell G, Bosdet I, Butland S, Devon R, Hayden M, Leavitt B, Marra M, Ouellette F. GeMS DB: A database of clinical and experimental data for the study of Genomic Mutational Signature Sequences.

625. Fifth European Symposium of the Protein Society (FASEB). Florence, Italy. Mar 2003. Jensen-Seaman MI, Lazar J, Shiozawa M, Barreto NE, Lemke A, Gibbs R, Weinstock G, Schein J, Marra M, Zhao S, de Jong P, Jacob HJ. A Comparative genomics approach to positionally cloning a gene for renal failure.

626. Molecular Mechanisms of Apoptosis meeting. Banff, AB. Feb 2003. Chittaranjan S, Marra M, Gorski S. Role of defense response genes in autophagic cell death of Drosophila salivary glands.

627. Advances in Genome Biology & Technology and Automation in Mapping & DNA Sequencing 4th Annual Meeting. Marco Island, FL. Feb 2003. Krzywinski M, Bosdet I, Smailus D, Mathewson C, Wye N, Barber S, Brown-John M, Chand S, Cloutier Al, Masson A, Mayo M, Olson T, MacAulay C, Lam W, Choy CO, Osoegawa K, Zhao S, de Jong PJ, Schein J, Jones S, Marra M. A set of rearrayed BAC clones spanning the human genome.

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633. SAGE 2003. Amsterdam, Netherlands. Jan 2003. Lam W, Lonergan K, Zuyderduyn S, Schein J, Tsao M, LeRiche J, Jones S, Marra M, MacAulay C, Lam S. Gene expression profiles of developmental stages of non-small cell lung carcinoma.

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635. SAGE 2003. Amsterdam, Netherlands. Jan 2003. Schnerch A, Asano J, Chan S, Khattra J, Oveisi M, Pleasance E, Ruzanov P, Varhol R, Vatcher G, Zuyderduyn S, Eaves CJ, Humphries K, Thomson JA, Jones S, Marra M. Global gene expression profiling in murine and human embryonic stem cells using SAGE and Affymetrix genechips.

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638. University of British Columbia Medical Genetics Research Day. Vancouver, BC. Nov 2002. Gorski SM, Chittaranjan S, Pleasance ED, Freeman JD, Anderson CL, Varhol RJ, Coughlin SM, Zuyderduyn SD, Jones SJM, Marra MA. A SAGE Approach to Discovery of Genes Involved in Autophagic Cell Death.

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642. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Chittaranjan S, Marra M, Gorski S. Role of defense response genes in autophagic cell death of Drosophila salivary glands.

643. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Freeman D, Ma K, Rusconi JC, Cagan RL, Marra MA, Gorski SM. Characterization of inxs, a gene involved in programmed cell death in the developing Drosophila retina.

644. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Yang G, Stott J, Smailus D, Barber S, Girn N, Lee D, MacDonald K, Prabhu A-L, Tsai M, Schein J, Marra M. SAGE and full length cDNA sequencing at the BCCA Genome Sciences Centre.

645. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Quayle S, Hare H, Akopian1 V, Hwang D, Jones S, Schein J, Marra M, Sadar M. Discovery of new genes differentially expressed in androgen independent prostate cancer.

646. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Gorski S, Chittaranjan S, Pleasance ED, Freeman JD, Anderson CL, Varhol RJ, Coughlin SM, Zuyderduyn SD, Jones SJM, Marco MA. A SAGE approach to discovery of genes involved in autophagic cell death.

647. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Fjell C, Astakova V, Chiu R, Flibotte S, Saeedi P, Shin H, Schein J, Jones S, Marra M. Bioinformatics for genetic physical mapping.

648. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Pleasance ED, Chittaranjan S, Freeman JD, Varhol RJ, Zuyderduyn SD, Marra MA, Gorski SM, Jones SJM. Bioinformatic analysis of SAGE expression data and applications to cell death.

649. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Bosdet I, Chiu R, Fjell C, Fuhrmann D, Krzywinski M, Osoegawa K, Brown-John M, Chand S, Cloutier A, Masson A, Mathewson C, Mayo M, Olson T, Spence L, Wye N, deJong PJ, Schein J, Jones S, Marra M. Physical maps constructed from fingerprinted BAC clones.

650. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Khattra J, Chan S, Asano J, Pandoh P, Vatcher G, Schnerch A, Zuyderduyn S, Leung D, Teague K, Jones S, Marra M. Application of high-throughput gene expression technologies at the Genome Sciences Centre.

651. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Krzywinski M, Schein J, Chiu R, Bosdet I, Mathewson C, Wye N, Barber S, Brown-John M, Chand S, Cloutier A, Masson A, Mayo M, Olson T, Jones S, Hoskins R, Celniker S, Rubin G, Marra M. Verification of Drosophila Melanogaster sequence assembly using restriction digest BAC fingerprints derived from multiple enzymes.

652. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Krzywinski M, Bosdet I, Smailus D, Mathewson C, Wye N, Barber S, Brown-John M, Chand S, Cloutier A, Masson A, Mayo M, Olson T, Lam W, MacAulay C, Osoegawa K, Zhao S, de Jong PJ, Schein J, Jones S, Marra M. A set of rearrayed BAC clones spanning the human genome.

653. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Montgomery S, Astakhova T, Bilenky M, Rak M, Robertson G, Sleumer M, Marra M, Jones S. Mammalian gene expression platform.

654. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Butterfield Y, Guin R, Macdonald K, Griffith O, Skalska U, Smailus D, Schein J, Jones S, Marra M. Sequencing bioinformatics at Canada's Michael Smith's Genome Sciences Centre.

655. Canadian Phytopathological Society - British Columbia Regional Meeting. Summerland, BC. Oct 2002. Hu GG, Linning R, Joseph C, McCallum B, Xing T, Walsh A, Banks T, Cloutier S, Jordan M, Matsalla C, Schein J, Butterfield Y, Jones S, Marra M, Bakkeren G. Generation of a database for expressed sequence tags of leaf rust (*Puccinia triticina)* of wheat from stage-specific cDNA libraries and construction of a

corresponding microarray.

656. The 10th International Conference on Intelligent Systems for Molecular Biology. Edmonton, AB. Aug 2002. Butterfield Y, Guin R, Skalska U, Smailus D, Schnerch A, Teague K, Schein J, Marra M, Jones S and the Genome Sciences Centre. Software development for high-throughput DNA sequencing.

657. International Society for Animal Genetics Conference. Gottingen, Germany. Aug 2002. Larkin DM, Schein J, Green C, Dekoj TR, Bachman S, Schweitzer P, Rebeiz M, Everts-van der Wind A, Jones S, Bosdet I, Mathewson C, Wye N, Chiu R, Moore S, Keele JW, Kappes SM, Marra M, de Jong P, Womack JE, Lewin HA. Toward a comparatively anchored, sequence-ready whole genome physical map of the cattle genome.

658. 84th Annual Meeting of the Endocrine Society. San Francisco, CA. June 2002. Quayle S, Hare H, Akopian V, Hwang D, Jones S, Schein J, Marra M, Sadar M. Gene expression profiles associated with progression of prostate cancer to androgen-independence.

659. Genomics Workshop Wheat Genomics: narrow host range pathogens. London, UK. June 2002. Bakkeren G, Hu G, Linning R, McCallum B, Xing T, Walsh A, Cloutier S, Jordan M, Matsalla C, Schein J, Butterfield Y, Jones S, Marra M. Construction of cDNA libraries covering different life cycle stages of the wheat leaf rust fungus, Puccinia triticina (race BBB/Lr1) and generation of a database of 10,000 ESTs.

660. Gordon Conference on Cell Death. Waterville, ME. June 2002. Gorski S, Anderson C, Chittaranjan S, Freeman D, Garland E, Jones S, Varhol R, Zuyderduyn S, Marra M. Transcription profiling of autophagic cell death.

661. Gordon Conference on Cell Death. Waterville, ME. June 2002. Freeman JD, Rusconi JC, Cagan RL, Marra MA, Gorski SM. Characterization of inxs, a gene involved in Programmed Cell Death in the developing Drosophila retina.

662. Pathology Day. Vancouver, BC. May 2002. Quayle S, Hare H, Akopian V, Hwang D, Jones S, Schein J, Marra M, Sadar M. Identification of a novel gene differentially expressed in the progression of prostate cancer.

663. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Nagaraja R, Waeltz P, Brathwaite M, Schein J, Marra M, Schlessinger D. Sequence analysis and physical map in mouse t-complex inversion 2 region and comparison to syntenic region in human.

664. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Gregory SG, McPherson JD, Marra M, Zhao S, Osoegawa K, and others on behalf of the International Mouse Genome Mapping Consortium. A physical map of the mouse genome.

665. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. The Rat Genome Sequencing Consortium. Sequencing the Rat Genome.

666. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Krzywinski M, Jones S, Bosdet I, Schein J, Marra M. A set of rearrayed BAC clones spanning the human genome.

667. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Bosdet I, Barber S, Chan S, Chiu R, Fjell C, Krzywinski M, Leach S, Lee D, Mathewson C, Olson T, Osoegawa K, Prabhu A, Saeedi P, Shin H, Taylor S, Tsai M, Wye N, de Jong PJ, Schein J, Jones S, Marra M. Fingerprinted BAC clone physical maps.

668. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Smailus D, Asano J, Butterfield Y, Girn N, Guin R, Krzywinski M, Lee S, MacDonald K, Olson T, Pandoh P, Saeedi P, Skalska U, Spence L, Stott J, Teague K, Yang G, Schein J, Jones S, Marra M. Transposon-mediated cDNA Sequencing at the BC Cancer Agency Genome Sequence Centre.

669. American Association for Cancer Research 93rd Annual Meeting. San Francisco, CA. Apr 2002. Lonergan

K, MacAulay C, Smailus D, Zuyderduyn S, Jones S, Marra M, Lam S, Lam W. Comparing Expression Profiles of Lung Cancer Progression by SAGE.

670. Transcriptome 2002: From Functional Genomics to Systems Biology. Seattle, WA. Mar 2002. Matrubutham U, Mirchandani J, Liu J, Gleeson M, MacDonald K, Asano J, Butterfield Y, Girn N, Lee S, Olson T, Pandoh P, Skalska U, Smailus D, Spence L, Stott J, Yang G, Schein J, Marra M. A Novel Approach to Eliminate Vector Background and Increase Sequencing Efficiency of cDNA.

671. Physiological Genomics & Rat Models. Cold Spring Harbor Laboratory, NY. Dec 2001. Schein J , Bosdet I, Chiu R, Fjell C, Fuhrmann D, Girn N, Krzywinski M, Leach S, Lee D, Lee S, Mathewson C, Ness S, Osoegawa K, Prabhu A, Saeedi P, Spence L, Taylor S, Wye N, de Jong P, Jones S, Marra M. A BAC fingerprint map of the rat genome.

672. Northwest Urological Society 48th Annual Meeting. Vancouver, BC. Dec 2001. Quayle S, Hare H, Akopian V, Jones S, Schein J, Marra M, Sadar M. Gene expression analysis of androgen-independent prostate cancer.

673. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Lonergan K, MacAulay C, Smailus D, Zuyderduyn S, Jones S, Marra M, Lam S, Lam W. Comparing Expression Profiles of Lung Cancer Progression by SAGE.

674. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Bosdet I, Chiu R, Fjell C, Fuhrmann D, Girn N, Krzywinski S, Leach S, Lee D, Lee S, Mathewson C, Ness S, Osoegawa K, Prabhu A, Saeedi P, Spence L, Taylor S, Wye N, de Jong P, Schein J, Jones S, Marra M. Fingerprinted BAC clones for physical map construction.

675. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Chittaranjan S, Garland E, Freeman D, Jones S, Marra M, Gorski S. Transcription profiling of cell death in drosophila melanogaster.

676. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Smailus D, Asano J, Butterfield Y, Chan S, Guin R, Krzywinski M, MacDonald K, Olson T, Pandoh P, Skalska U, Schnerch A, Stott J, Tsai M, Yang G, Zuyderduyn S, Schein J, Jones S, Marra M. Full-length cDNA and SAGE sequencing at the British Columbia Cancer Agency Genome Sequence Centre.

677. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Zuyderduyn S, Varhol R, Oveisi-Fordoei M, Garland E, Krzywinski M, Marra M, Jones S. SAGEdb: A computational platform for investigations using serial analysis of gene expression.

678. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Awarded "Best Poster." Quayle S, Hare H, Akopian V, Jones S, Schein J, Marra M, Sadar M. Differential gene expression in a model of advanced prostate cancer.

679. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001.Quayle S, Hare H, Akopian V, Jones S, Schein J, Marra M, Sadar M. Gene expression analysis of androgen-independent prostate cancer.

680. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Garland E, Chittaranjan S, Freeman D, Gorski S, Varhol R, Zuyderduyn S, Marra M, Jones S. A new method of tag to gene mapping allows more comprehensive analysis of data from Serial Analysis of Gene Expression.

681. University of British Columbia Medical Genetics Research Day. Vancouver, BC. Nov 2001. Garland E, Chittaranjan S, Freeman D, Gorski S, Varhol R, Zuyderduyn S, Marra M, Jones S. A new method of tag to gene mapping allows more comprehensive analysis of data from Serial Analysis of Gene Expression.

682. Functional Genomics, Satellite to the 8th International Conference on Environmental Mutagens. Seattle, WA. Oct 2001. Quayle S, Hare H, Akopian V, Jones S, Schein J, Marra M, Sadar M. Identification of new targets for the treatment of androgen-independent prostate cancer.

683. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Lian T, Steen BR, Tangen

K, MacDonald K, Zuyderduyn S, Marra M, Jones S, Kronstad J. Analysis of Virulence-Related Transcription in the Human Pathogenic Fungus Cryptococcus neoformans Using SAGE.

684. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Jones SJM, Riddle DL, Pouzyrev AT, Velculescu VE, Hillier L, Eddy SR, Stricklin SL, Baillie DL, Waterston R, Marra M. Changes in Gene Expression Associated with Developmental Arrest and Longevity.

685. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Garland E, Varhol R, Zuyderduyn S, Marra M, Jones S. Transcript construction for increased accuracy of tag to gene mapping in SAGE analysis.

686. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Varhol R, Zuyderduyn S, Lypkie P, Krzywinski M, Garland E, Marra M, Jones S. SAGEdb: Integrated Database for Gene Expression Analysis.

687. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Zuyderduyn S, Varhol R, Garland E, Krzywinski M, Marra M, Jones S. SAGEspace: Interrogating and Visualizing SAGEdb.

688. International Society for Trace Elements in Humans 2001 Meeting. Quebec City, PQ. Sep 2001. Mattman A, Vatcher G, Marra M, Jones S, Lockitch G, Huntsman D. Investigation of the transferrin receptor 2 (TFR2) gene in HFE C282Y negative patients with atypical hereditary Hemochromatosis (HH).

689. Joint Meeting of the American Phytopathological Society, the Mycological Society of America, and the Society of Nematologists. Salt Lake City, UT. Aug 2001. Kronstad J, Lee N, Wake K, Jiang G, Klose J, Schein J, Marra M, Jones S. Sex, signaling and morphogenesis in smut fungi. ***(Phytopathology 91 (6 Supplement): S165-S166 June 2001)***

690. 13th International C. elegans international meeting. Los Angeles, CA. June 2001. Riddle DL, Jones SJ, Pouzyrev AT, Velculescu VE, Hillier L, Eddy SR, Stricklin SL, Baillie DL, Waterston R, Marra MA. Changes in gene expression associated with developmental arrest and longevity in C. elegans.

691. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2001. Ness S, Fjell C, Chiu R, Saeedi P, Fuhrmann D, Schein J, Jones S, Marra M. Developing computational strategies for constructing and analyzine physical maps of large genomes.

692. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2001. Butterfield Y, Zuyderduyn S, Schnerch A, Guin R, Krzywinski M, Schein J, Smailus D, Jones S, Marra M. Bioinformatics for human full length cDNA sequencing at the BCCA Genome Sequence Centre.

693. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2001. Smailus D, Butterfield Y, Chan S, Guin R, Krzywinski M, Mathewson C, Prabhu A, Schnerch A, Stott J, Tsai M, Zuyderduyn S, Schein J, Jones S, Marra M. Full-length cDNA sequencing at the British Columbia Cancer Agency Genome Sequence Centre.

694. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2001. Schein J, Asano J, Bosdet I, Chiu R, Fjell C, Fuhrmann D, Gray C, Krzywinski M, Kutsche R, Lee S, Mathewson C, McLeavy C, Ness S, Osoegawa K, Pandoh P, Saeedi P, Spence L, van den Bosch N, Yang G, de Jong PJ, Jones S, McPherson J, Marra M. A fingerprinted BAC clone physical map of the mouse genome.

695. The Fifth Annual International Conference on Computational Molecular Biology. Montreal, PQ. Apr 2001. Thorne M, Marra M, Jones S. Cataloguing candidate elements involved in transcriptional regulation in the Caenorhabditis elegans genome.

696. Mouse Molecular Genetics. Cold Spring Harbor Laboratory, NY. Aug 2000. Marra M, Schein J, Bosdet I, Chan S, Chiu R, Fuhrmann D, Guin R, Krzywinski M, Kutsche R, Mathewson C, Pandoh P, Prabhu A, Smailus D, Sness S, Stott J, Tsai M, Yang G, Smith M, Jones S and McPherson J. Fingerprinted clones for the sequencing of the mouse genome.

697. The Third International Symposium on Fungal Genomics: Novel Developments in Functional, Evolutionary and Computational Genomics. Athens, GA. July 2000. Steen BR, Tangen K, MacDonald K, Marra M, Jones S, Kronstad J. Genome analysis and infection regulated gene expression in Cryptococcus neoformans.

698. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2000. Fuhrmann DR, Marra MA, Chinwalla A, Jones S, Waterston R. Automated image analysis for DNA restriction mapping.

699. 5th Annual International Human Genome Meeting. Vancouver, BC. Apr 2000. Schein J, Bosdet I, Chan S, Chittaranjan S, Chiu R, Krzywinski M, Prabhu A, Smailus D, Stott J, Thorne M, Zapala M, McPherson J, Smith M, Jones S, Marra M. Fingerprinted BAC clones for sequencing the genome of the mouse.