

DARREN MICHAEL RIEHL BRENNER

I. BIOGRAPHICAL DATA

Assistant Professor
Armstrong Investigator in Molecular Epidemiology
Departments of Oncology and Community Health Sciences
Cumming School of Medicine, University of Calgary
Associate Director Research, Forzani MacPhail Colorectal Cancer Screening Centre
Associate Director, Oncology Outcomes Program

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II. ACADEMIC RECORD

- 2002 - 2006 BSc (Honours), Health Science, Brock University, St. Catharines, Ontario
Concentrations: Epidemiology, Biostatistics, Secondary Data Analysis, Cardiac Pathophysiology, Infectious Diseases, Genetics, Cell Biology, Chemistry, Anatomy, Pathology, International Health Field Course
- 2006 - 2008 MSc Applied Health Science (Epidemiology), Brock University, St. Catharines, Ontario
Thesis Topic – Long Term Survival of Breast Cancer Patients: The Role of Genetic Molecular Alterations and Sociodemographic Factors in Breast Cancer and Non-Breast Cancer-Specific Survival
- 2008 - 2012 PhD Epidemiology, Dalla Lana School of Public Health, University of Toronto Supervisor: Dr. Rayjean Hung – Committee: Dr. John McLaughlin, Dr. Shelley Bull, Dr. Geoffrey Liu Thesis Topic - The role of chronic inflammation and inflammatory genetics in lung cancer development Concentrations: Genetic epidemiology, Molecular Epidemiology, Biostatistics, Cancer epidemiology
- 2007 - summer Johns Hopkins University, Bloomberg School of Public Health, Graduate Summer Program in Epidemiology and Biostatistics - Genetic Epidemiology in Populations and Advanced Topics in Nutritional Epidemiology
- 2010 - summer Montreal Spring School in Population Genomics and Genetic Epidemiology
- 2011 - summer International Agency for Research on Cancer – Research Internship
Supervisor: Paul Brennan. A research placement conducting genomewide investigations examining histology-specific lung cancer as the outcome within several studies of the International Lung Cancer Consortium
- 2009 - 2012 Canadian Institutes of Health Research STAGE (Strategic Training for Advanced Genetic Epidemiology) Program Trainee and Fellow
- 2012 - summer Ontario Institute for Cancer Research - Advanced Topics in Genome-Wide Association Studies Course
- 2012 - 2013 Postdoctoral fellowship I, International Agency for Research on Cancer - Section of Genetics, World Health Organization, Lyon, France
Areas of focus: Genome wide association studies and whole exome sequencing projects of lung cancer; Inflammation and lung cancer; Physical activity and pancreatic cancer risk.
- 2013 - 2015 Postdoctoral fellowship II, Department of Cancer Epidemiology and Prevention Research, CancerControl Alberta, Alberta Health Services

Areas of focus: Physical activity and biological mechanisms in breast cancer risk and survival;
Population attributable risk in Canada due to physical inactivity and obesity;
Physical activity, inflammation and breast cancer risk and survival ;

III. AWARDS AND DISTINCTIONS

Research fellowships

- 2014 - 2015 Alberta Innovates-Health Solutions. Postdoctoral Fellowship. \$50,000 and \$5,000 research allowance annually for 2 years
- 2009 - 2012 Canadian Institutes for Health Research. Frederick Banting and Charles Best Canada Graduate Scholarship - Doctoral Research Award \$35,000 and \$5,000 research allowance annually for 3 years
- 2009 - 2012 Canadian Cancer Society Research Institute. Doctoral Training Award \$30,000 annually for 3 years
Declined to accept other award.
- 2006 - 2007 Ontario Graduate Scholarship in Science and Technology (OGSST). For support of initial stages of master's program – Renewed 2007-2008 competition \$15,000 annually for 2 years

Career Awards

- 2015 – 2017 Canadian Cancer Society Career Development Award in Prevention. \$75,000 annually for 3 years.
“From molecular pathways to population risk: Evaluating the impact of lifestyle on cancer among Canadians”

Awards

- 2019 Canadian Cancer Society, William E Rawls Prize for Excellence in Cancer Research. For excellence in first 10 years of acting as an independent investigator.
- 2017-2018 Young Investigator Award, Department of Oncology, University of Calgary
- 2015 New Principal Investigators Meeting Travel Award to attend the Canadian Cancer Research Conference, Canadian Institutes of Health Research
- 2014 Top-ten Epidemiology and Genomics Research Program (EGRP)-funded research publications of 2013, Cancer Control and Population Sciences, EGRP, United States National Cancer Institute
<http://archive.constantcontact.com/fs170/1109148816547/archive/1116530954453.html> Chosen for scientific and/or public health impact in 2014 from the US National Cancer Institute
- 2013 New Principal Investigators Meeting - Top Poster Presentation. The Canadian Cancer Research Conference, Canadian Institutes of Health Research
- 2013 New Principal Investigators Meeting - Travel Award to attend The Canadian Cancer Research Conference, Canadian Institutes of Health Research
- 2011 Canadian Institutes of Health Research, Strengthening the Application of Genetic Epidemiology (STAGE) Travel Award
- 2011 Travel stipend/fellowship, International Agency for Research on Cancer
- 2010 Merck Scholar-in-Training Award, American Association for Cancer Research
- 2010 Travel award, Spring School in Population Genomics and Genetic Epidemiology
- 2009 Student Presentation Award, Canadian Society for Epidemiology and Biostatistics 2009 Conference
- 2008 Spirit of Brock Award – Faculty of Applied Health Sciences – Awarded to a graduating student who displays outstanding characteristics in one or more of the following areas: Leadership, courage, innovation, inspiration, community involvement
- 2008 Poster Prize: Award for Best Poster, Advanced Foods and Materials Network scientific conference
- 2007 Health Research Scholarship ‘For displaying innovation and originality in health research’, SAS Canada
- 2006 J.S. Bouffard Community Health Science Award, “To be awarded to a graduating student of the Community Health Sciences who has demonstrated extraordinary effort, industriousness and diligence and has exercised initiative to promote and enhance the Community Health Sciences Program.”

2004 - 2006 Dean's Honour List, Health Science, Brock University

IV. EMPLOYMENT

2017 – current Assistant Professor, Departments of Oncology and Community Health Sciences, Cumming School of Medicine, University of Calgary

2015 – 2017 Research Scientist, Department of Cancer Epidemiology and Prevention Research, CancerControl Alberta, Alberta Health Services

2015 – 2017 Adjunct Assistant Professor, Departments of Oncology and Community Health Sciences, Cumming School of Medicine, University of Calgary

2013 – 2015 Postdoctoral Fellow II, Department of Cancer Epidemiology and Prevention Research, CancerControl Alberta, Alberta Health Services

2012 - 2013 Postdoctoral Fellow I, International Agency for Research on Cancer - Section of Genetics, World Health Organization, Lyon, France

2010 - 2011 Biologist – Level BI3, Office of Biotechnology Genomics and Public Health , Public Health Agency of Canada

2007 - 2011 Project Epidemiologist/Statistician, database management and data analysis, El-Sohemy lab, Department of Nutritional Sciences, University of Toronto

2008 - present Analytical Epidemiology Consultant to a variety of stakeholders

V. EDUCATIONAL ACTIVITIES

i. Undergraduate

Teaching-lectures

2018 – 2019 Preceptor, Community Health Sciences – MDSC 508, Undergraduate Thesis Course, University of Calgary

2014 - 2019 Lecturer, Community Health Sciences - MDSC 415, Introduction to Epidemiology. Lecture Topics: Cancer Epidemiology, Genetic and Molecular Epidemiology, University of Calgary

2011 Lecturer and Course Coordinator, Community Health Sciences – CHSC 4P50, Research Methods in Epidemiology, Faculty of Applied Health Sciences, Brock University, St. Catharines, Ontario

2007 - 2011 Lecturer, Community Health Sciences - CHSC 2P27, Introduction to Health Research Methods. Lecture Topics: Study Design, Confounding and Effect Modification, Validity and Bias, Causality and Interaction, Ethics in Medical Research, Brock University, St. Catharines, Ontario

2006 - 2007 Teaching Assistant, Community Health Sciences - CHSC 4P99, Clinical Epidemiology, Department of Community Health Science, Brock University, St. Catharines, Ontario

2006 - 2008 Teaching Assistant, Community Health Sciences - 4P50, Research Methods in Epidemiology, Department of Community Health Science, Brock University, St. Catharines, Ontario

2005 - 2007 Teaching Assistant, Community Health Sciences - 3P07, Advanced Biostatistics, Department of Community Health Science, Brock University, St. Catharines, Ontario

2005 - 2008 Teaching Assistant, Community Health Sciences - 2P27, Introduction to Health Research Methods, Department of Community Health Science, Brock University, St. Catharines, Ontario

2005 - 2007 Teaching Assistant, Community Health Sciences - 2P07, Introduction to Biostatistics, Department of Community Health Science, Brock University, St. Catharines, Ontario

Student supervision (primary supervisor for students in bold)*denotes competitive fellowship/award

2020 **Kristian Chow**, Undergraduate Summer Project, University of Calgary, Calgary, Alberta

*Recipient of a Markin 2020 Undergraduate Scholarship for this work

2020 **Hannah Lyons** Undergraduate Summer Project, Queen's University, Kingston, Ontario

2019 **Tyler Warnock**, Undergraduate Thesis Study, University of Calgary, Calgary, Alberta

2018 **Liam Sutherland**, Undergraduate Summer Project, Queen's University, Kingston, Ontario

- 2018 **Cindy Zhang**, Undergraduate Summer Project, McMaster University, Hamilton, Ontario
2017-present **Nicole Ewert**, Undergraduate Thesis Project, University of Calgary, Calgary, Alberta
2017 **Lauren Hebert**, Undergraduate Thesis Project, University of Calgary, Calgary, Alberta
2017 **Asalah Alreeki**, Undergraduate Thesis Project, University of Calgary, Calgary, Alberta
2017 **Sidarth Sivakumar**, Undergraduate Summer Student from McGill University
2016-2017 **Dennis Kim**, Undergraduate Thesis Project, University of Calgary, Calgary, Alberta
2014-2016 **Demetra Yannitsos**, Undergraduate Thesis Project, University of Calgary, Calgary, Alberta
2015-2016 **Abigail Hogg**, Undergraduate Research Project, University of Calgary, Calgary, Alberta
2015 Branko Olij, Summer Practicum Student from Wageningen University, Wageningen the Netherland
2015-2016 Jeroen Derksen, Summer Practicum Student from Wageningen University, Wageningen, Netherland
2015-present **Jeremy Fan**, Undergraduate Research Project, University of Calgary, Calgary Alberta

*Recipient of a Markin 2017 Undergraduate Scholarship for this work

*Recipient of a Markin 2019 Undergraduate Scholarship for this work

*Recipient of a Markin 2020 Undergraduate Scholarship for this work

- 2015-2016 **Jeremy Fan**, Summer Practicum Student from University of Calgary, Calgary Alberta
2015 Yibing Ruan, Summer Practicum Student from The School of Public Health, University of Alberta
2015 Rhys Johnson, Summer Student from McGill University

*Recipient of an AIHS Summer Studentship for this work

- 2015 Suzanne Dufresne, Summer Practicum Student, Université de Rennes, Rennes France
2014 Matthew Feldman, Summer Student, Medical Undergraduate Student, Belfast University, Ireland
2014 Sierra Tamminen, Summer Student, ACF Summer Studentship Recipient, Queen's University, Kingston, Ontario

*Recipient of an AIHS Summer Studentship for this work

- 2014 Alison McFadden, Summer Student, Undergraduate Research Project, Queen's University, Kingston, Ontario

ii. Graduate

Teaching

- 2018 - present Course coordinator and lecturer – MDCH 742 - Advanced Topics in Epidemiology, Department of Community Health Sciences, University of Calgary
2019 - present Course preceptor – MDCH 740 – Systematic Reviews and Meta-analysis, Department of Community Health Sciences, University of Calgary
2008 - 2012 Teaching Assistant, Epidemiology II – CHL 5204, Dalla Lana School of Public Health, Department of Epidemiology, University of Toronto
2008 - 2012 Teaching Assistant, Biostatistics I & II – CHL 5202, Dalla Lana School of Public Health, Department of Epidemiology, University of Toronto
2011 - summer Teaching Assistant, Principles of Cancer Epidemiology, International Agency for Research on Cancer, Lyon, France

Student supervision (primary supervisor for students in bold)

- 2020 – present **Liam Sutherland**, PhD Student (Community Health Sciences), Cumming School of Medicine, University of Calgary
2020 – present **Alysha Kheen, MD**, PhD Student (Community Health Sciences), Cumming School of Medicine, University of Calgary
*Recipient of an University of Calgary Surgeon Scientist Fellowship
2019 - present **Robert Basmadjian**, PhD Student (Community Health Sciences), Cumming School of Medicine, University of Calgary
2016 - 2020 Dylan O'Sullivan, PhD candidate (Epidemiology) Department of Public Health Sciences, Faculty of

Dr Darren Michael Riehl Brenner

- 2016 - 2020 Health Sciences, Queen's University (Co-supervisor) Completed
Devon Boyne, PhD Student (Community Health Sciences), Cumming School of Medicine, University of Calgary (Co-supervisor)
*Recipient of CSM Barrie I Strafford Doctoral Scholarship for Interdisciplinary Studies on Aging
*Recipient of Queen Elizabeth II Graduate Doctoral Scholarship
- 2019 - present **Matthew Mazurek MD**, MSc Student (Biostatistics), Cumming School of Medicine, University of Calgary
- 2019 – present **Caitlin Sweet**, MSc Student (Community Health Sciences), Cumming School of Medicine, University of Calgary
- 2018 - 2020 **Liam Sutherland**, MSc Student (Community Health Sciences), Cumming School of Medicine, University of Calgary (Completed)
- 2016 - 2020 **Tiffany Haig**, MSc Student (Community Health Sciences), Cumming School of Medicine, University of Calgary
*Recipient of a CIHR Master's Studentship (Completed)
- 2015 - 2017 Alexis Mickle, MSc Student (Community Health Sciences), Cumming School of Medicine, University of Calgary (Co-supervisor) (Completed)

Committee Membership and Examination

- 2018 - present John Ferguson, PhD (Cancer Biology), Cumming School of Medicine, University of Calgary, Thesis Advisory Committee
- 2018 – present Emmanuel Gomo, MSc (Epidemiology), Cumming School of Medicine, University of Calgary, Thesis Advisory Committee
- 2018 – present Mubasiru Lamidi, PhD (Biostatistics), Cumming School of Medicine, University of Calgary, Thesis Advisory Committee
- 2015 - 2016 Roxana Tudor, MSc (Cancer Biology), Cumming School of Medicine, University of Calgary, Thesis Advisory Committee

iii. Postgraduate

Student Supervision (primary supervisor for students in bold)

- 2020 – present Dylan O'Sullivan, Postdoctoral fellow, Department of Oncology and Community Health Sciences, University of Calgary
*Recipient of a Cumming School of Medicine Postdoctoral Fellowship
- 2016 - 2020 Jessica McNeil, Postdoctoral fellow, Department of Cancer Epidemiology and Prevention Research, Alberta Health Services (AHS) (Co-Supervisor)
*Recipient of a CIHR Postdoctoral Fellowship
Current position: Assistant Professor, Department of Kinesiology of University of North Carolina Greensboro
- 2014 - 2015 Anne Grundy, Postdoctoral fellow, for PAR-Alberta Project (Friedenreich CM, primary supervisor), Department of Cancer Epidemiology and Prevention Research, Alberta Health Services
Current position: Epidemiologist, Health Canada

VI. ADMINISTRATIVE RESPONSIBILITIES

i. Departmental

- 2019 – present Associate Director of Research, Forzani & MacPhail Colorectal Cancer Screening Centre, University of Calgary
- 2019 - present Associate Director, Oncology Outcomes (O2) Initiative, University of Calgary
- 2016 – 2019 Scientific Lead – Epidemiology Research Unit, Department of Cancer Epidemiology and Prevention Research, Alberta Health Services

- 2013 - 2017 Coordinator - Departmental Rounds, Journal Clubs, and Research Forums, Department of Cancer Epidemiology and Prevention Research, Alberta Health Services
- 2010 - 2012 Member - Curriculum Assessment and Evaluation Committee, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto

ii. Faculty

- 2020 – present Member, Executive Committee, Charbonneau Cancer Research Institute
- 2013 - 2014 Member, Search and Selection Committee, Biostatistician, Department of Oncology and Southern Alberta Cancer Research Institute, Cumming School of Medicine, University of Calgary

ii. Supervisory

- 2018 - present **Nicole Ewert**, Research Associate – Bioinformatics, Department of Oncology, University of Calgary
- 2018 - present **Joy Pader**, Research Associate – Large Cohort Analyses of Cancer Risk Projects, Department of Cancer Epidemiology and Prevention Research, AHS
- 2018 - 2019 **Emily Heer**, Research Associate – Large Cohort Analyses of Cancer Risk Projects, Department of Cancer Epidemiology and Prevention Research, AHS
- 2016 - present **Yibing Ruan**, Research Associate – Statistical Analyses of Population Attributable Risks, Department of Cancer Epidemiology and Prevention Research, AHS
- 2016 - 2018 **Amanda Barberio**, Research Associate – Large Cohort Analyses of Cancer Risk Projects, Department of Cancer Epidemiology and Prevention Research, AHS
- 2016 - 2017 **Matthew Warkentin**, Research Associate – Lung Cancer Risk and DNA Repair Projects, Department of Cancer Epidemiology and Prevention Research, AHS
- 2015 - 2018 **Eileen Shaw**, Research Associate – Physical Activity and Cancer Risk Projects, Department of Cancer Epidemiology and Prevention Research, AHS
- 2014 - present **Abbey Poirier**, Research Associate – PAR-Alberta Project, ComPARe Project, Department of Cancer Epidemiology and Prevention Research, AHS
- 2014 - 2017 **Farah Khandwala**, Research Associate – PAR-Alberta Project, Department of Cancer Epidemiology and Prevention Research, AHS

VII. PROFESSIONAL ACTIVITIES

i. Membership in professional and learned societies

- 2006 - present Member, Canadian Society for Epidemiology and Biostatistics
- 2007 - present Member, Society for Epidemiologic Research
- 2011 - present Member, International Epidemiology Association
- 2010 - present Member, American Association for Cancer Research
- 2011 - 2013 Board Member-at-Large, Canadian Society for Epidemiology and Biostatistics
- 2009 - 2011 Student Representative on the Board, Canadian Society for Epidemiology and Biostatistics
- 2009 - 2013 Member, International Lung Cancer Consortium
- 2012 - 2014 Member, International Head and Neck Cancer Consortium

ii. Professional service

Grant Panels

- 2020 – present Member, Grant Panel, Implementation Research Grant Competition, Canadian Cancer Society Research
- 2018 - present Member, Grant Panel, Impact Grant Competition, Canadian Cancer Society Research
- 2015, 2017, 2019 Scientific Officer, Grant Panel, Innovation Research Grant Competition, Canadian Cancer Society Research Institute

Dr Darren Michael Riehl Brenner

2015 - 2017 Member, Grant Panel, Innovation Research Grant Competition, Canadian Cancer Society Research Institute

Grant Review (External Reviewer)

2015, 2018, 2019 External Reviewer, Prevention Grant Competition, Cancer Research UK, UK

2016 External Reviewer, Cancer Research Grant Competition, French National Cancer Institute

Associate Editor

2018 – present Preventive Medicine Reports, Elsevier

Journal reviewer

2018 – present Human Genetics

2017 – present Gastroenterology

2016 – present Preventive Medicine Reviews

2016 – present British Journal of Cancer

2016 – present Journal of Thoracic Oncology

2016 – present BMJ Open

2016 – present Cancer Medicine

2015 - present The Annals of Epidemiology

2015 - present Preventive Medicine

2015 - present International Journal of Epidemiology

2015 - present Cancer Epidemiology Biomarkers and Prevention

2015 - present Cancer Epidemiology

2015 - present CMAJ Open

2014 - present Journal of Epidemiology and Community Health

2014 - present Cancer

2012 - present BMC Cancer

2011 - present Lung Cancer

2011 - present International Journal of Cancer

2009 - present PLoS ONE

2009 - present Chest – Publication of the American College of Physicians

2013 Journal of Biomedical Research

2012 Diabetes Research and Clinical Practice

2012 Journal of Women's Health

2009 American Journal of Epidemiology

National and international committees

2020 - 2022 Co-Chair, Canadian Cancer Statistics Steering Committee

2019 – Present Advisor, Colorectal Cancer Canada

2018 – 2020 Academic Advisor, Canadian Cancer Statistics Steering Committee

2018 – Present Advisor, Canadian Partnership Against Cancer, OncoSim Model Advisory Committee

2009 - 2011 Membership committee member, Canadian Society for Epidemiology and Biostatistics

2009 - 2013 Conference committee member, Canadian Society for Epidemiology and Biostatistics

Regional committees

2020 – present Member, Executive Committee, Arnie Charbonneau Cancer Research Institute

2019 – present Member, Board of Directors, EVICT RADON registered non profit

2016 – 2018 Member, Alberta Cancer Research Biorepository, Operations Committee

2016 – present Member, Alberta Cancer Research Biorepository, Application Review Panel

- 2016 Member, Organizational Committee - 2017 CSEB National Conference
2008 Chair, Organizational Committee - 19th Biennial CSEB Central Region Student Conference

VIII. RESEARCH SUPPORT

i. Peer-reviewed funded research

Team grants

- 2014 - 2019 Friedenreich CM (PI), Brockton NT, Cotterchio M, Kotsopoulos J, Boucher B, Courneya K, Knight J, **Brenner DR**. The impact of modifiable lifestyle factors in breast cancer survival in young women, \$376,832. A sub project of Narod S, Quan ML (Team Leaders), Olivotto I, Friedenreich CM, Baxter N, Metcalfe K, Warner E (Sub-project PIs). Towards better outcomes for young women with breast cancer: a pan-Canadian collaborative (BCYW). Canadian Breast Cancer Foundation-Canadian Institutes for Health Research, \$5,695,303.

Project grants

- 2020 – 2022 Yang L (PI), **Brenner DR**, Friedenreich CM, Lynch B. Shaping up on physical activity and cancer: improving estimates of cancer risk using accelerometry and contemporary methods in the UK Biobank. Canadian Institutes of Health Research. \$ 99,749
- 2020 - 2022 Wang E (PI), **Brenner DR**, Williamson T, Quan ML. The impact of NK cells in the prediction of breast cancer risk among Canadian women. Canadian Institutes of Health Research. \$ 99,959
- 2019 - 2022 **Brenner DR (PI)**, Hilsden RJ, Heitman SJ, Rabeneck L, McLaughlin J, McIntyre JB, Muti P, Tinmouth J, Lix L, Campbell K. Predicting the Risk of Advanced Colorectal Polyps in Average Risk Individuals with Circulating Biomarkers (P-RAP). Canadian Institutes of Health Research. \$451,341
- 2019 - 2023 Hilsden RJ (Co-PI), **Brenner DR (Co-PI)**, Dube C, Heitman SJ, Lix L. Fecal Immunochemical Testing to Reduce Unnecessary Endoscopy (FIT2RUN). Canadian Institutes of Health Research. \$288,000
- 2019 - 2021 Murphy R, Awadalla P, **Brenner DR**, Chu Q, Cui Y, DeClercq V, Di Sabastiano K, Dummer T, Grady S, Keats M, Le N, Sweeny E, Vena J. Beyond Smoking: Investigating risk factors for lung cancer in the Canadian Partnership for Tomorrow Project. Canadian Institutes of Health Research. \$100,000
- 2018 – 2020 **Brenner DR (PI)**, Chan K, Dummer T, Friedenreich CM, McLaughlin J, Murphy R, Quan M, Vena J, Wang E. Examining the etiology of young-onset breast cancer in the Canadian Partnership for Tomorrow Project. Canadian Institutes of Health Research. \$ 99,659
- 2018 - 2020 King WD (PI), **Brenner DR**, O'Sullivan DE, Peters CE. Exposure to ultraviolet radiation and incidence of non-cutaneous cancers. Canadian Institutes of Health Research. \$74,925
- 2018 – 2019 **Brenner DR (co-PI)**, Peters CE (co-PI), Palmer AL, Nakashima L. Developing a compendium of policy levers and opportunities to reduce exposure to antineoplastic (cytotoxic) drugs in pharmacies. WorkSafe BC, \$49,685
- 2018 - 2023 Friedenreich CM (PI), Courneya KS (PI), Culos-Reed N, Vallance J, McNeely M, Bell G, Mackey J, Kopciuk K, **Brenner DR**, McNeil J, Matthews C, Cook D. Physical Activity and Breast Cancer Outcomes: The AMBER Cohort Study. Canadian Institutes for Health Research, \$1,931,625.
- 2014 - 2019 Friedenreich CM (co-PI), **Brenner DR (co-PI)**, De, P, Walter S, Franco E, Demers P, Villeneuve P, King W, Hystad P. Determining the population attributable risk of the major modifiable cancer risk factors among Canadian adults (ComPARE). Canadian Cancer Society Research Institute. \$782,293.
- 2015 - 2018 Friedenreich CM (PI), Lees-Miller SP, Beattie T, Pialoux V, Wynne-Edwards K, King WD, McIntyre JB, **Brenner DR**, Courneya KS. Breast Cancer and Exercise Trial in Alberta (BETA): Ancillary Study Examining the Effect of Exercise on Oxidative Stress, Telomere Length and DNA Methylation. Canadian Institutes of Health Research, \$515,703.

ii. Non peer-reviewed funded research

- 2019 – 2020 **Brenner DR**. Validating and Testing the OncoSim All Cancers Model. Canadian Partnership Against Cancer, \$175,000.

2014 - 2020 Friedenreich CM, **Brenner DR.** (Co-PIs) Estimating the Population Attributable Cancer Risk of Major Modifiable Lifestyle Factors for Albertans: Determining the Top Priorities for Prevention (PAR-Alberta). Alberta Cancer Prevention Legacy Fund, \$473,120.

IX. CONTRIBUTIONS

i. Invited addresses

2020/02/19 Using data to drive impact across the cancer prevention spectrum. Department of Community Health Sciences, Dalhousie University. Halifax, NS

2019/10/18 Big data in cancer prevention – Future of Health Forum, Accelerate Okanagan, University of British Columbia Okanagan. Kelowna, BC

2019/06/18 Leveraging cohorts and genomic data platforms to study the rising incidence of testicular cancer in Canada. Canadian Society for Human Genetics meeting. Montebello, QC.

2019/06/12 The rising incidence of testicular cancer in Canada. NAACCR meeting. Vancouver

2019/05/31 Cancer 101: Late Night Lab with the Charbonneau Institute. Calgary, AB.

2019/05/27 Using big data to make big decisions in lung cancer prevention and screening. Glans Look Research Day. Calgary, AB.

2019/05/16 Lung cancer prevention and screening in Canada: Using data to inform decisions. Invited Presentation for the Alberta Lung Tumor Group Annual Research Day.

2019/05/14 The ComPARE Project – An overview and summary of lifestyle interventions on cancer prevention in Canada. Invited Plenary Canadian Society for Epidemiology and Biostatistics

2018/12/01 Identifying opportunities for cancer prevention in Canada: the ComPARE project. Invited Plenary, University of California at San Francisco

2018/05/25 The current and future burden of cancer in Canada due to modifiable factors. Opening Plenary. NAACCR meeting. Pittsburgh PA

2018/01/25 The current and future burden of cancer in Canada due to modifiable factors. Opening Plenary. AACR meeting on Obesity and Cancer. Austin TX.

2017/11/05 Estimating the current and future cancer burden in Canada: Identifying opportunities for prevention. Opening Plenary, Canadian Cancer Research Conference. Vancouver, BC.

2016/02/01 Lifestyle in cancer prevention. The Arnie Charbonneau Cancer Research Institute Research Day.

2016/02/01 Inflammation as a driver of cancer risk and progression. Wellspring Calgary

2013/12/09 Keynote Speaker, Topic: The importance of charitable donations and the Alberta Cancer Foundation to physical activity and lifestyle focused cancer research in Alberta. Alberta Cancer Foundation, Team Ta-Tas Annual Gala Fundraiser Dinner, Calgary, AB.

ii. Presentations

Oral Presentations

2020/01/03 Sutherland RL*, Ormsbee J*, Pader J, Forbes N, Town S, Hilsden RJ, **Brenner DR.** The association between vitamin D supplement use and the presence of high-risk adenomatous polyps. Canadian Digestive Disease Week, Montreal, QC

2019/09/04 **Brenner DR** on behalf of the ComPARE team. The Potential for Cancer Prevention in Canada – Results from the ComPARE Project. Canadian Cancer Research Conference Ottawa, ON, Canada

2019/09/05 **Brenner DR,** Yu X, Basmadjian R*, Crump T, Cheung W, Quan ML. Predicting pathologic complete response following neoadjuvant chemotherapy in breast cancer using routinely collected health record data in Alberta. Canadian Cancer Research Conference. Ottawa, ON, Canada

2019/09/05 **Brenner DR,** Heer E, Ruan Y, Peters C. The rising incidence of testicular cancer in Canada. Canadian Cancer Research Conference. Ottawa, ON, Canada

- 2019/06/12 **Brenner DR**, Heer E, Ruan Y, Peters C. The rising incidence of testicular cancer in Canada. North American Association of Central Cancer Registries Meeting. Vancouver, BC, Canada
- 2019/05/15 **Brenner DR**, King WD, Volesky KD, Smith L. on behalf of the ComPARE Study Team. Cancer burden in Canada: Opportunities for prevention. Sub-plenary session at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, ON, Canada.
- 2019/05/14 El-Masri Z, De P, Smith L, Holmes E, Nuttall R, **Brenner DR**, Friedenreich CM. on behalf of the ComPARE Study Team. Maximizing research impact on cancer prevention: an integrated knowledge translation approach used by the Canadian Population Attributable Risk of Cancer (ComPARE) study. Oral presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, ON, Canada.
- 2019/05/14 Poirier AE, Ruan Y, Volesky KD, O'Sullivan DE, Gogna, P, Grevers, X, Walter SD, King WD, Franco, EL, Demers PA, Villeneuve PJ, Smith LM., De P, Friedenreich CM., **Brenner DR** on behalf of the ComPARE Study Team. Estimating the cancer burden in Canada in 2015 due to lifestyle, environmental and infectious disease risk factors. Presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, Ontario, Canada.
- 2019/05/14 O'Sullivan D*, Metcalfe A, King W, **Brenner DR**. Examining Behaviours and Colorectal Cancer Incidence using Latent Class Analyses. Presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, ON, Canada
- 2019/05/14 Fan J*, O'Sullivan D*, Mealey N*, **Brenner DR**. An Integrative Analysis of Body Mass Index and Genomic Alterations in Endometrial Cancer. Oral presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, ON, Canada.
- 2019/05/13 Boyne D*, Cuthbert C, O'Sullivan DE Hilsden RJ, Sajobe T, Friedenreich CM, Cheung W **Brenner DR**. Chemotherapy Duration and Survival among Stage II and III Colon Cancer Patients in Real-World Settings: A Meta-Analysis. Presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, Ontario, Canada.
- 2019/05/13 Haig TR*, Robson P, Li H, Friedenreich CM, **Brenner DR**. The associations between inflammation, excess body weight and breast cancer in Alberta's Tomorrow Project Cohort. Presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, Ontario, Canada.
- 2019/05/13 O'Sullivan D*, Hiller T, Peters CE, **Brenner DR**, King W. The associations of time spent in the sun and the risk of non-Hodgkin lymphoma is modified by sex in the Alberta's Tomorrow Project. Presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, Ontario, Canada.
- 2019/05/13 Pader J, Mealey N, O'Sullivan DE*, Quan ML, Friedenreich CM, **Brenner DR**. Lifestyle risk factors and young-onset breast cancer in the Canadian Partnership for Tomorrow Project. Presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, Ontario, Canada.
- 2019/05/13 Volesky KD, El-Zein M, Franco EL, **Brenner DR**, Friedenreich CM, Poirier AE and Ruan Y. on behalf of the ComPARE Study Team. The future burden of cancer attributable to infections in Canada. Presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, Ontario, Canada.
- 2019/04/15 Gupta A, Slater J, Gora C, Mitsakakis N, Druzdzal M, **Brenner DR**, Arora P. Bayesian networks as an emerging tool for disease risk estimation and clinical decision-making: a real-world example in coronary artery disease. Oral presentation at: CADTH 2019; April 15, 2019; Edmonton, Alberta, Canada.
- 2019/04/14 Béliveau A, Boyne D, Slater J, Arora P, **Brenner DR**. A Hands-on Introduction to BUGSnet: A New Comprehensive R Package for Network Meta-Analysis. Workshop at: CADTH 2019; Edmonton, Alberta, Canada.
- 2018/06/21 Volesky K, El-Zein M, **Brenner DR**, Friedenreich CM, Ruan Y, Walter SD, Poirier AE, Villeneuve PJ, King WD, Demer PA, De P, Nuttall R, Smith L, O'Sullivan D, Holmes E, Hystad P, Franco EL on behalf of the ComPARE Study Team. Cancers attributable to infections in the United States in 2014. Society for Epidemiologic Research 51st Annual Meeting; Baltimore, Maryland, USA.
- 2018/06/15 Stone CR, Haig TR, Fiest KM, McNeil J, **Brenner DR**, Friedenreich CM. The association of sleep duration with all-cause and cancer-specific mortality in cancer survivors: A systematic review and meta-

- analysis of prospective cohort studies. Canadian Society for Epidemiology and Biostatistics 2018 National Student Conference, Thunder Bay, ON, Canada,
- 2018/06/14 **Brenner DM** on behalf of the ComPARE Study Team. Identifying Opportunities for Prevention in Canada: The ComPARE Study. Invited plenary session at: North American Association of Central Cancer Registries 2018 Annual Conference; Pittsburgh, Pennsylvania, USA
- 2018/03/11 McNeil J*, Barberio A, Friedenreich CM, **Brenner DR**. Sleep and cancer incidence in Alberta's Tomorrow Project cohort. 42nd Annual Meeting – American Society of Preventive Oncology. New York, United States
- 2018/03/16 El-Zein M, **Brenner DR**, Friedenreich CM, Ruan Y, Walter S, Poirier AE, Franco EL on behalf of the ComPARE Study Team. Preventable burden of infection-associated cancers among American adults in 2014. Epidemiology, Biostatistics and Occupational Health Student Society Research. Montreal, Canada
- 2018/01/01 **Brenner DR**, Villeneuve P, Franco E, King W, Stephen W, Smith L, Prithwish D, Nuttall R, Friedenreich CM. Estimating the current and future cancer burden attributable to obesity in Canada. AACR Conference on Obesity and Cancer: Mechanisms Underlying Etiology and Outcomes. Spotlight Session on Global Obesity Burden- American Association for Cancer Research, Austin Texas
- 2017/11/6 Friedenreich CM, Neilson HK, Wang Q, Stanczyk FZ, **Brenner DR**, Courneya KS. Exercise dose effects on insulin resistance and inflammatory markers 12 months after an exercise intervention in postmenopausal women. 2017 Canadian Cancer Research Conference, Vancouver, BC.
- 2017/05/31 Barberio AM, Friedenreich CM, Campbell KL, **Brenner DR**. Effects of total and recreational physical activity on cancer incidence in the Alberta Tomorrow Project cohort. Canadian Society of Epidemiology and Biostatistics (CSEB) National Conference, Banff, AB
- 2017/05/31 Haig TR*, Poirier AE, Akawung AA, Robson PJ, Friedenreich CM, **Brenner DR**. Alcohol consumption prevalence and adherence to cancer prevention recommendations for alcohol consumption among adults: cross-sectional results from Alberta's Tomorrow Project. Canadian Society of Epidemiology and Biostatistics (CSEB) National Conference, Banff, AB
- 2017/05/30 Mickle AT*, Boyne DJ, Rabi DM, **Brenner DR**, Friedenreich CM. The long-term risk of cardiovascular disease incidence in lymphoma survivors: A systematic review and Meta-analysis. Canadian Society of Epidemiology and Biostatistics (CSEB) National Conference, Banff, AB
- 2017/05/31 McNeil J, Barberio A, Friedenreich CM, **Brenner DR**. Effects of sleep duration on all cancer incidence rates in the Alberta Tomorrow Project cohort. Canadian Society of Epidemiology and Biostatistics (CSEB) National Conference, Banff, AB
- 2017/03/31 **Brenner DR***, Poirier A, Ruan Y, Khandwala F, Grevers X, Walter S, King W, Demers P, Villeneuve P, Franco E, Friedenreich CM, on behalf on the ComPARE Study Team. Lifestyle and Cancer Prevention in Canada: Estimating the current and future avoidable cancer burden. Canadian Society of Epidemiology and Biostatistics (CSEB) National Conference, Banff, AB
- 2016/06/10 Mickle AT, Friedenreich CM, **Brenner DR**, Beattie T, Williamson T, Ting N. Influence of Antioxidant and Oxidant Properties of Diet on Leukocyte Telomere Length. Canadian Society of Epidemiology and Biostatistics (CSEB) National Student Conference, Winnipeg, Manitoba, Canada
- 2015/06/03 Farris MS, McFadden A, Friedenreich CM, **Brenner DR**. The association between leisure time physical activity and pancreatic cancer risk in adults: A systematic review and meta-analysis. Canadian Society of Epidemiology and Biostatistics (CSEB), Mississauga, Ontario, Canada
- 2015/06/01 Friedenreich CM, Pialoux V, Poulin M, Waltz X, Wang Q, **Brenner DR**, Neilson HK, Conroy S, Yasui Y, Woolcott CG, Courneya KS. Alberta Physical Activity and Breast Cancer Prevention Trial: Changes in Markers of Oxidative Stress After a Year-long Exercise Intervention. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 Friedenreich CM, O'Reilly R, **Brenner DR**, Shaw E, Stanczyk FZ, Yasui Y, MacLaughlin S, Adams SC, Morielli AR, Courneya KS. How do inflammatory markers in postmenopausal women change after a year-long high versus moderate exercise intervention? Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada.

- 2013/06/25 **Brenner DR.** Cancer incidence attributable to overweight, obesity and physical inactivity in Canada. Canadian Society of Epidemiology and Biostatistics St John's Newfoundland, Canada.
- 2013/11/04 **Brenner DR,** Brennan P, Boffetta P, Amos C, Spitz M, Chen C, Goodman G, Heinrich JE, Bickeboller H, Rosenberger A, Risch A, Huley T, McLaughlin JR, Benhamou S, Bull S, Chen G, Witte J, Lewinger JP, Hung RJ. Pathway analysis of inflammation related variants and lung cancer risk: an application of hierarchical modeling using GWAS data. Canadian Cancer Research Conference, Toronto, ON, Canada.
- 2010/04/19 **Brenner DR,** Boffetta P, Duell EJ, Bickeboller H, Rosenberger A, McCormack V, Muscat JE, Yang P, Wichmann E, Brueske-Hohlfeld I, Schwartz AG, Cote M, Tjønneland A, Friis S, LeMarchand L, Zhang ZF, Morgenstern H, Szeszenia-Dabrowska N, Lissowska J, Zaridze D, Rudnai P, Fabianova E, Foretova L, Janout V, Bencko V, Schejbalova M, Brennan P, Mates I, Lazarus P, Field J, Olaide R, McLaughlin J, Liu J, Wiencke J, Neri M, Ugolini D, Andrew AS, Lan Q, Hu W, Orlov I, Park BJ, Hung RJ. International Lung Cancer Consortium: pooled analysis of previous lung diseases and lung cancer risk. American Association for Cancer Research, Washington, DC, USA.
- 2009/05/27 **Brenner DR,** McLaughlin, JR, Hung RJ. Previous lung diseases and lung cancer risk: a systematic review and meta-analysis. Canadian Society for Epidemiology and Biostatistics, Ottawa, ON, Canada.
- 2008/05/29 **Brenner DR** McLaughlin JR, Narod S, Sheppard F, Tsao M, Johnson M. A case control study of metabolic polymorphism and lung cancer risk among never smokers: examining gene environment interaction, Canadian Society of Epidemiology and Biostatistics, Brock University, St. Catharines, Ontario, Canada.
- 2006/06/09 **Brenner DR,** Liu J. The influence of maternal smoking on fetal growth potential – applying the fetal nutritional status index. Canadian Society of Epidemiology and Biostatistics, Student Conference, Guelph Ontario, Canada.

Poster Presentations *Denotes Trainees

- 2020/02/13 Cusano E, Boyne DJ, **Brenner DR,** Lee-Ying R. Systemic Therapy for Non-Metastatic Castrate-Resistant Prostate Cancer (M0 CRPC): A Systematic Review and Network Meta-Analysis (NMA). American Society of Clinical Oncology (ASCO) Genitourinary Cancer Symposium. San Francisco, California, USA
- 2019/11/03 Sutherland RL*, Town S, Forbes N, Heitman SJ, Hilsden RJ, **Brenner DR.** Examining the associations between biomarkers of glucose metabolism and high-risk adenomatous polyps. Canadian Cancer Research Conference, Ottawa, ON
- 2019/11/03 Sutherland RL*, Ormsbee J*, Pader J, Forbes N, Town S, Hilsden RJ, **Brenner DR.** The association between vitamin D supplement use and the presence of high-risk adenomatous polyps. Canadian Cancer Research Conference, Ottawa, ON
- 2019/11/03 R. Liam Sutherland, Nauzer Forbes, Robert J. Hilsden, Scott B. Patten, and Darren R. Brenner. Adherence to colorectal cancer screening guidelines in Canada: a cross-sectional analysis. Canadian Cancer Research Conference, Ottawa, ON
- 2019/11/03 Mealey N*, O'Sullivan D, Pader J, Ruan Y, Wang E, Quan ML, Brenner D. An investigation of somatic mutations among young breast cancer patients. Canadian Cancer Research Conference, Ottawa, ON.
- 2019/11/03 Mealey N*, Peters C, Heng D, Brenner D. Mutational signatures among young age at onset testicular cancers. Canadian Cancer Research Conference, Ottawa, ON
- 2019/05/22 Slater J, Béliveau A, Boyne D, **Brenner DR,** Arora P. BUGSnet: a new comprehensive R package for network meta-analysis. Poster presentation at: ISPOR 2019; New Orleans, Louisiana, USA.
- 2019/05/21 Gupta A, Slater J, Mitsakakis N, Boyne D, Druzdzal M, **Brenner DR,** Arora P. Bayesian networks as an emerging tool for disease risk estimation and clinical decision-making: a real-world example in coronary artery disease. Poster presentation at: ISPOR 2019; New Orleans, Louisiana, USA.
- 2019/05/21 Hussain S, Zhang K, Sati N, Slater J, Gupta A, **Brenner DR,** Arora P. The use of Bayesian networks in disease risk prediction studies: A scoping review. Poster presentation at: ISPOR 2019 New Orleans, Louisiana, USA.

- 2019/05/21 Gupta A, **Brenner DR**, Arora P. Scalable decision-analytic modelling with Influence Diagrams. Poster presentation at: ISPOR 2019; New Orleans, Louisiana, USA.
- 2019/04/15 Hussain S, Zhang K, Sati N, Slater J, Gupta A, **Brenner DR**, Arora P. The use of Bayesian networks in disease risk prediction studies: A scoping review. Poster presentation at: CADTH 2019; Edmonton, Alberta, Canada.
- 2019/05/14 Mealey N*, O’Sullivan D*, Pader J, Wang E, **Brenner DR**. An Investigation of Mutational Signatures among Young-Onset Breast Cancer Patients. Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, ON, Canada.
- 2019/05/14 Sutherland R*, R. Town S, Forbes N, Hietman SJ, Hilsden R, **Brenner DR**. Examining the association between biomarkers of glucose metabolism and high-risk adenomatous polyps. Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, ON, Canada.
- 2019/05/13 Ruan Y, Poirier AE, Grevers X, **Brenner DR**, Friedenreich CM on behalf of the ComPARE Study Team. The future cancer burden in Canada attributable to lifestyle risk factors. Presentation at: Canadian Society for Epidemiology and Biostatistics Conference; Ottawa, Ontario, Canada.
- 2019/04/12 Boyne D*, Cuthbert C, O’Sullivan DE Hilsden RJ, Sajobe T, Friedenreich CM, Cheung W **Brenner DR**. Chemotherapy Duration and Survival among Stage II and III Colon Cancer Patients in Real-World Settings: A Meta-Analysis. Presentation at: Canadian Association of Drugs and Technologies in Health, Edmonton, Alberta, Canada.
- 2018/12/3 Volesky KD, Laprise C, El-Zein M, Friedenreich CM, **Brenner DR**, Poirier AE, Ruan Y, Franco EL. The fraction and number of head and neck cancers attributable to HPV in Canada. Poster presentation at: EUROGIN 2018; Lisbon, Portugal.
- 2018/10/16 Friedenreich CM, **Brenner DR**, Ruan Y, Poirier AE, Grevers X, Franco EL, Volesky KD, Walter SD on behalf of the ComPARE Study Team. Estimating the current and future cancer burden attributable to inadequate leisure-time physical activity among adults in Canada. Poster presented at: The 7th International Society for Physical Activity and Health Congress; London, England, UK.
- 2018/10/04 Volesky KD, Laprise C, El-Zein M, Friedenreich CM, **Brenner DR**, Ruan Y, Franco EL. Head and Neck Cancers Attributable to HPV in North America. Poster presented at: 32nd International Papillomavirus Conference; Sydney, Australia.
- 2018/07/30 Ruan Y, Walter SD, Friedenreich CM, **Brenner DR** on behalf of the ComPARE Study Team. Bias analysis of current approaches to estimating combined population attributable risk for multiple risk factors. Poster presented at: the 2018 Joint Statistical Meeting; Vancouver, British Columbia, Canada.
- 2018/06/21 **Brenner DR**, Friedenreich CM, Ruan Y, PoirierAE, Grevers X, Walter SD on behalf of the ComPARE Study Team. Estimating the cancer burden due to lifestyle factors among adults in Canada. Poster presented at: The Society for Epidemiologic Research 51st Annual Meeting Baltimore, Maryland, USA
- 2018/06/20 Ruan Y, Walter SD, Poirier AE, Barberio A, **Brenner DR**, Friedenreich CM on behalf of the ComPARE Study Team. Estimating combined population attributable risk from multiple risk factors: The colorectal cancer burden attributable to multiple lifestyle risk factors in Alberta, Canada. Poster presented at: The Society for Epidemiologic Research 51st Annual Meeting Baltimore, Maryland, USA.
- 2018/06/19 El-Masri Z, Smith L, Nuttall R, Holmes E, De P, **Brenner DR**, Friedenreich CM on behalf of the ComPARE Study Team. Making research impact on cancer prevention: an integrated knowledge translation strategy for the Canadian Population Attributable Risk (ComPARE) study. Poster presentation at: The Society for Epidemiologic Research 51st Annual Meeting Baltimore, Maryland, USA.
- 2018/06/01 McNeil J, **Brenner DR**, Stone CR*, O’Reilly R, Vallance JK, Courneya KS, Thorpe KE, Klein DJ, Friedenreich CM. Breast Cancer and Physical Activity Level (BC-PAL) Trial: Findings on cardiorespiratory fitness and body composition. Thematic poster presented at the Annual Meeting of the American College of Sports Medicine, Minneapolis, Minnesota.
- 2018/03/02 **Brenner DR**, Friedenreich CM, Franco EL, Ruan Y, Poirier AE, Volesky K, O’Sullivan D, Khandwala F, Grevers X, Walter SD, King WD, Demers PA, Villeneuve PJ, Nuttall R, Smith L, De P on behalf of the ComPARE Study Team. Estimating the cancer burden due to lifestyle, environmental and infectious

- disease risk factors in Canada. Poster presented at: The Toronto Global Cancer Control Conference; Ontario, Canada.
- 2018/03/02 Volesky K, El-Zein M, **Brenner DR**, Friedenreich CM, Ruan Y., Walter SD, Poirier AE, Villeneuve PJ., O'Sullivan DE, Franco EL on behalf of the ComPARE Study Team. Preventable burden of infection-associated cancers among Canadian adults in 2012. Poster presentation at: The Toronto Global Cancer Control Conference; Toronto, Ontario, Canada.
- 2018/01/29 **Brenner DR**, Friedenreich CM, Ruan Y, Poirier AE, Khandwala F, Grevers X, Walter SD, King WD, Demers PA, Villeneuve PJ, Franco EL, Nuttall R, Smith L, De P on behalf of the ComPARE Study Team. Estimating the current and future cancer burden attributable to obesity in Canada. Poster presentation at: The American Association for Cancer Research Special Meeting on Obesity and Cancer: Mechanisms Underlying Etiology and Outcomes; Austin, Texas, USA
- 2017/11/05 Friedenreich CM, Shaw E, Wang Q, **Brenner DR**, Courneya KS, Wynne-Edwards K. The effect of prescribed exercise volume on biomarkers of chronic stress in postmenopausal women: Results from the Breast Cancer and Exercise Trial in Alberta (BETA). Canadian Cancer Research Conference. Vancouver, BC
- 2017/11/06 McNeil J, **Brenner DR**, Koots K, Liepert M*, Stone CR*, Vallance JK, Courneya KS, Friedenreich CM. The Breast Cancer and Physical Activity (BC-PAL) Trial: Study methods and findings from pilot data collection. Canadian Cancer Research Conference, Vancouver, BC
- 2017/11/05 Ruan Y, **Brenner DR**, Friedenreich CM, Poirier A, Khandwala F, Grevers X, Walter S, King W, Demers P, Villeneuve P, Franco E, Nuttall R, Smith L, De P on behalf on the ComPARE Study Team. Estimating the Current Avoidable Cancer Burden Due to Lifestyle Risk Factors in Canada. Canadian Cancer Research Conference, Vancouver, BC
- 2017/11/05 Poirier AP, Khandwala F, Ruan Y, Walter SD, Franco EL, King WD, Villeneuve PJ, Demers PA, - Friedenreich CM, **Brenner DR** on behalf of the ComPARE study group. Projecting Cancer Incidence in Canada: Looking Back to the Future. Canadian Cancer Research Conference, Vancouver, BC
- 2017/11/05 McNeil J, Barberio A, Friedenreich CM, **Brenner DR**. The effects of sleep timing on all cancer incidence rates in Alberta's Tomorrow Project cohort. Canadian Cancer Research Conference, Vancouver, BC
- 2017/11/05 Friedenreich CM, **Brenner DR**, Neilson HK, Wang Q, Ting NS, Conroy SM, Mickle A, McIntyre JB, Courneya KS, Beattie T. What is the effect of one year of exercise on leukocyte telomere length? A randomized controlled trial in postmenopausal women" Canadian Cancer Research Conference, Vancouver, BC
- 2017/06/02 Shaw E, Barberio AM, Friedenreich CM, **Brenner DR**. The effect of stress on cancer incidence using data from Alberta's Tomorrow Project. Canadian Society of Epidemiology and Biostatistics National Conference, Banff, AB
- 2017/06/02 Ruan Y, Walter S, Friedenreich CM, **Brenner DR**. Estimating combined population attributable risks for multiple lifestyle risk factors: Examining risk of colorectal cancer in Alberta. Canadian Society of Epidemiology and Biostatistics National Conference, Banff, AB
- 2017/05/29 Mickle AT*, **Brenner DR**, Beattie T, Williamson T, Friedenreich CM. Influence of dietary antioxidant and oxidant intake on leukocyte telomere length. Canadian Society of Epidemiology and Biostatistics National Conference, Banff, AB.
- 2017/05/31 Grevers X, Khandwala F, Ruan Y, Poirier AE, Friedenreich CM, **Brenner DR**. Identifying relevant population-based intervention programs to impact the prevalence of cancer-related lifestyle risk factors in Canada. Canadian Society of Epidemiology and Biostatistics National Conference, Banff, AB
- 2017/05/31 Poirier AE, Khandwala F, RuanY, Friedenreich CM, **Brenner DR**. Projecting cancer incidence in Canada: Looking back to the future. Canadian Society for Epidemiology and Biostatistics conference, Banff, Alberta, Canada.
- 2017/05/31 Khandwala F, Ruan Y, Poirier AE, Grevers X, Friedenreich CM, **Brenner DR**. Statistical methods for projecting lifestyle exposure prevalence trends in Canada. Canadian Society of Epidemiology and Biostatistics National Conference, Banff, AB

- 2016/11/14 McNeil J*, **Brenner DR**, Courneya KS, Friedenreich CM. Dose-response effects of aerobic exercise on energy compensation in postmenopausal women: Combined results from the Alberta Physical Activity and Breast Cancer Prevention Trial (ALPHA) and the Breast Cancer and Exercise Trial in Alberta (BETA). Poster presentation at the American Institute of Cancer Research 2016 Annual Conference
- 2016/06/10 **Brenner DR**, Yannitsos DH*, Farris MS*, Johansson M, Friedenreich CM. Leisure-time physical activity and lung cancer risk: A systematic review and meta-analysis. IARC 50 Conference, Lyon France
- 2016/06/09 Farris MS*, Neilson HK, Stone CR, **Brenner DR**, Vaska M, Friedenreich CM. Moderate-vigorous recreational physical activity and breast cancer risk, stratified by menopausal status: A systematic review and meta-analysis. Canadian Society of Epidemiology and Biostatistics (CSEB) Student Conference, Winnipeg, Manitoba, Canada
- 2016/02/05 Mickle AT*, Friedenreich CM, **Brenner DR**, Beattie T, Williamson T, Ting N. Influence of Antioxidant and Oxidant Properties of Diet on Leukocyte Telomere Length. 2nd Annual Charbonneau Research Symposium, Calgary, Alberta, Canada
- 2015/11/10 Friedenreich CM, Wang Q, Neilson HK, **Brenner DR**, McIntyre J, Pialoux V, Beattie T, King W, Ting N, Lees-Miller S, Poulin M, Waltz X, Conroy S, Yasui Y, Woolcott C, Courneya KS. The Alberta Physical Activity and Breast Cancer Prevention (ALPHA) Trial: Novel biomarkers associated with aerobic exercise and breast cancer. 2015 Canadian Cancer Research Conference, Montréal, Québec, Canada
- 2015/11/10 Friedenreich CM, Courneya KS, Duha A, Stanzyk F, Yasui Y, Neilson HK, O'Reilly R, Wang Q, **Brenner DR**. The Breast Cancer and Exercise Trial in Alberta (BETA): A dose-response trial of aerobic exercise on hypothesized biomarkers for breast cancer risk. 2015 Canadian Cancer Research Conference, Montréal, Québec, Canada
- 2015/11/8 **Brenner DR**, Grundy A, Poirier AE, Khandwala F, Grevers X, Robson PJ, McDougall L, Friedenreich CM. Cancer incidence attributable to lifestyle and environmental factors in Alberta Canada in 2012. 2015 Canadian Cancer Research Conference, Montréal, Québec, Canada
- 2015/11/8 **Brenner DR**, Poirier AE, Franco E, Walter S, King W, Demers P, Hystad P, Villeneuve P, Nuttall R, Smith L, De P, Friedenreich CM. Quantifying the cancer incidence burden due to lifestyle and environment in Canada – The Canadian Population Attributable Risk of Cancer Project (ComPARE). 2015 Canadian Cancer Research Conference, Montréal, Québec, Canada
- 2015/09/05 Farris M, Mosli M, McFadden A, Friedenreich CM, **Brenner DR**. The association between leisure time physical activity and pancreatic cancer risk in adults: A systematic review and meta-analysis. Campus Alberta Student Conference on Health (CASCH), Banff, Alberta, Canada
- 2015/06/01 Neilson HK, **Brenner DR**, Vaska MM, Friedenreich CM. Physical activity and risk of breast cancer: protocol for a systematic review and meta-analysis. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 Neilson HK, Friedenreich CM, Wang Q, Stanczyk FZ, Yasui Y, **Brenner DR**, Adams SC, Morielli AR, Courneya KS. What are the effects of high versus moderate exercise volume on insulin resistance indicators in postmenopausal women? Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 **Brenner DR**, Shaw E, Neilson HK, Wang Q, O'Reilly R, Conroy S, Morris D, Yasui Y, Woolcott CG, Courneya KS, Friedenreich CM. Does physical activity impact breast cancer risk through changes in levels of anti-inflammatory cytokines? Results from two randomized intervention trials. (Poster presentation) Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 **Brenner DR**, Akawung A, Haig T, Poirier AE, Friedenreich CM, Robson, PJ. Tobacco smoking and passive smoke exposure prevalence among adult Albertans: Results from Alberta's Tomorrow Project. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada

- 2015/06/01 **Brenner DR**, Akawung A, Haig T, Friedenreich CM, Robson PJ. Measures of excess body weight and anthropometry among adult Albertans: Results from Alberta's Tomorrow Project. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 Poirier AE, Grundy A, Khandwala F, Tamminen S, McDougall L, Friedenreich CM, **Brenner DR**. Cancer incidence attributable to tobacco in Alberta Canada in 2012. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 Grundy A, Poirier AE, Khandwala F, McFadden A, Robson PJ, McDougall L, Friedenreich CM, **Brenner DR**. Cancer incidence attributable to selected dietary factors in Alberta, Canada in 2012. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 **Brenner DR**, Grundy A, Poirier AE, Khandwala F, McFadden A, McDougall L, Friedenreich CM. Cancer incidence attributable to physical inactivity in Alberta Canada in 2012. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 **Brenner DR**, Grundy A, Poirier AE, Khandwala F, McFadden A, McDougall L, Friedenreich CM. Cancer incidence attributable to excess body weight in Alberta Canada in 2012. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 Grundy A, Poirier AE, Khandwala F, McFadden A, McDougall L, Friedenreich CM, **Brenner DR**. Cancer incidence attributable to alcohol consumption in Alberta, Canada in 2012. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 Neilson HK, **Brenner DR**, Vaska MM, Friedenreich CM. Physical activity and risk of breast cancer: protocol for a systematic review and meta-analysis. Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2015/06/01 Neilson HK, Friedenreich CM, Wang Q, Stanczyk FZ, Yasui Y, **Brenner DR**, Adams SC, Morielli AR, Courneya KS. What are the effects of high versus moderate exercise volume on insulin resistance indicators in postmenopausal women? Canadian Society for Epidemiology and Biostatistics conference, Mississauga, Ontario, Canada
- 2013/06/25 Conway DI, **Brenner DR**, McMahon AD, Macpherson L, Agudo A, Ahrens W, Bosetti C, Brenner H, Castellsague W, Chen C, Curado MP, Curioni OA, Dal Maso L, Daudt AW, de Gois Filho JF, D'Souza, Edefonti GV, Fabianova E, Fernandez L, Franceschi S, Gillison M, Hayes RB, Healy CM, Herrero R, Holcatova I, Jayaprakash V, Kelsey K, Kjaerheim K, Koifman S, La Vecchia C, Lagiou P, Lazarus P, Levi F, Lissowska J, Luce D, Macfarlane TV, Mates D, Elena Matos E, McClean M, Menezes AM, Menvielle G, Merletti F, Morgenstern H, Moysich K, Müller H, Muscat J, Olshan AF, Purdue MP, Ramroth H, Richiardi L, Rudnai P, Schantz S, Schwartz SM, Shangina O, Simonato L, Smith E, Stucker I, Sturgis EM, Szeszenia-Dabrowska N, Talamini R, Thomson P, Vaughan TL, Wei Q, Winn DM, Wunsch-Filho V, Yu GP, Zhang ZF, Zheng T, Znaor A, Boffetta P, Chuang SC, Ghodrati M, Yuan-Chin AL, Hashibe M, Brennan P. Estimating and explaining the effect of education and income on head and neck cancer risk: INHANCE consortium pooled analysis of 31 case-control studies from 25 countries. Canadian Society of Epidemiology and Biostatistics, St John's, Newfoundland.
- 2013/06/26 **Brenner DR**, Brennan P, Boffetta P, Amos C, Spitz M, Chen C, Goodman G, Heinrich JE, Bickeboller H, Rosenberger A, Risch A, Huley T, McLaughlin J, Benhamou S, Bull S, Chen G, Witte J, Lewinger JP, Hung RJ. Pathway analysis of inflammation related variants and lung cancer risk: an application of hierarchical modeling using GWAS data. Canadian Society of Epidemiology and Biostatistics, St John's, Newfoundland.
- 2013/06/26 Timofeeva MN, **Brenner DR**, Voegelé C, Delahaye M, Vallee M, Duffrand G, Abdeki B, Scelo G, LeCalvez-Kelm F, McKay J, Brennan P. Whole-exome sequencing of adenocarcinoma in situ of the lung. Canadian Society of Epidemiology and Biostatistics St John's Newfoundland.
- 2013/02/04 Timofeeva MN, **Brenner DR**, Voegelé C, Delahaye M, Vallee M, Duffrand G, Abdeki B, Scelo G, LeCalvez-Kelm F, McKay J, Brennan P. Whole-exome sequencing of adenocarcinoma in situ of the lung. International Agency for Research on Cancer, Scientific Council, Lyon, France.
- 2013/11/04 **Brenner DR**. Cancer incidence attributable to overweight, obesity and physical inactivity in Canada. Canadian Cancer Research Conference, Toronto, ON, Canada.

- 2011/08/10 **Brenner DR**, Arora P, Garcia-Baillo B, El-Sohemy A, Karmali M, Badawi A. Vitamin D in the prediction of metabolic syndrome: A target for public health intervention. World Congress of Epidemiology, Edinburgh, Scotland.
- 2011/08/10 **Brenner DR**, Arora P, Garcia-Baillo B, Wolever T, El-Sohemy A, Karmali M, Badawi A. The impact of the metabolic syndrome on cardiometabolic and inflammatory profiles among Canadian adults. World Congress of Epidemiology, Edinburgh, Scotland.
- 2011/08/10 **Brenner DR**, Arora P, Garcia-Baillo B, Wolever T, El-Sohemy A, Karmali M, Badawi A. Association between plasma vitamin D and metabolic syndrome in the Canadian population. World Congress of Epidemiology, Edinburgh, Scotland.
- 2011/08/10 Arora P, Garcia Bailo B, Dastani Z, **Brenner DR**, Villegas A, Malik S, Richards B, El- Sohemy A, Karmali M, Badawi A. Genetic polymorphisms of innate immunity-related inflammatory pathways in type 2 diabetes mellitus: biomarkers of early risk prediction and prevention. World Congress of Epidemiology, Edinburgh, Scotland.
- 2010/05/22 **Brenner DR**, Boffetta P, Duell EJ, Bickebölller H, Rosenberger A, McCormack V, Muscat JE, Yang P, Wichmann E, Brueske-Hohlfeld I, Schwartz AG, Cote M, Tjønneland A, Friis S, LeMarchand L, Zhang ZF, Morgenstern H, Szeszenia-Dabrowska N, Lissowska J, Zaridze D, Rudnai P, Fabianova E, Foretova L, Janout V, BenckoV, Schejbalova M, Brennan P, Mates I, Lazarus P, Field J, Olaide R, McLaughlin J, Liu J, Wiencke J, Neri M, Ugolini D, Andrew AS, Lan Q, Hu W, Orlov I, Park BJ, Hung RJ. International Lung Cancer Consortium: pooled analysis of previous lung diseases and lung cancer risk. Canadian Society for Epidemiology and Biostatistics Student Conference, Queen's University, Kingston, ON, Canada.
- 2009/06/24 **Brenner DR**, McLaughlin JR, Hung RJ. Previous lung diseases and lung cancer risk: a systematic review and meta-analysis. Society for Epidemiologic Research, Chicago, IL, USA.
- 2008/06/25 **Brenner DR**, McLaughlin JR, Narod S, Sheppard F, Tsao M, Johnson M. A case control study of metabolic polymorphism and lung cancer risk among never smokers: examining gene environment interaction, Society for Epidemiologic Research Conference, Boston, MA, USA.
- 2007/06/15 **Brenner DR**, Tammemagi MC, Nerenz,D, Krajenta R, Nathanson D. Symptoms as a Predictor of Survival in Breast Cancer Patients. Canadian Society for Epidemiology and Biostatistics, Calgary, AB, Canada.
- 2006/06/25 **Brenner DR**, Liu J. The influence of maternal smoking on fetal growth potential – applying the fetal nutritional status index. Society for Epidemiologic Research Conference, Seattle, WA, USA.

X. PUBLICATIONS

i. Peer-reviewed manuscripts *Denotes Trainees

1. Ruan Y, Walter S, Friedenreich C, **Brenner DR**. Estimating population attributable fractions for multiple risk factors. *Epidemiologic Methods*. In press.
2. Bobyn A, Zarrei M, Zhu Y, Hoffman M, **Brenner DR**, Resnick AC, Scherer S, Gallo M. Ancestry and frequency of genetic variants in the general population are confounders in the characterization of germline variants linked to cancer. *BMC Medical Genomics*. In press.
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14. Pitt TM, Wollny K, **Brenner DR**, Metcalfe A, Nettel-Aguirre A, Hagel BE. The Development of Prediction Models for Child and Youth Vulnerable Road User Fatalities
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ii. Books, chapters peer-reviewed

Book Chapters

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iii. Abstracts/conference publications

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Reports

1. Lung Cancer in Canada: A special topic. 2020. The Canadian Cancer Statistics Advisory Committee.
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