

## Yutaka Yasui, Ph.D.

St. Jude Children's Research Hospital  
262 Danny Thomas Place, Mail Stop 735  
Memphis, TN 38105  
(901) 595-5893  
yutaka.yasui@stjude.org

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### 1. Current Position at St Jude

Member, Department of Epidemiology & Cancer Control 10/01/2015 - Present  
St. Jude Children's Research Hospital  
Memphis, TN 38105

### 2. Education and Training (list all degrees awarded and training programs completed)

B.Eng. in Environmental Engineering, Kyoto University, Kyoto, JAPAN 1989  
Ph.D in Biostatistics, Johns Hopkins University, Baltimore, Maryland 1994

### 3. Key Accomplishments Summary (This Section is Optional)

Over 25+ years, I have been engaged in childhood cancer survivorship research as a methodologist. My research addresses quantitative scientific questions in the intersection of clinical, biological, and population sciences, through collaboratively developing and applying innovative study designs and analytic methods. My research results have been communicated through over 400 peer-review publications listed below, with a total of 42,000+ citations and an h-index of 105. In the last 15+ years, the central theme of my research has been on analytic strategies of high-dimensional biological data in large-scale clinical/epidemiologic studies such as machine/statistical learning for multiple-variant epistasis in genetics, gene-set/pathway analyses of transcriptomics, and mass-spectrometry-based biomarker discovery in proteomics. I have been involved in 70+ peer-reviewed funded grants, mostly by the US National Institutes of Health, as a Principal Investigator or co-Investigator. I contributed to the establishment of Canada's first accredited School of Public Health as its Stream Leader of Biostatistics. I have taught biostatistics courses at various levels and received several teaching/mentoring awards at two universities. I have trained 30+ graduate students and 10 postdoctoral fellows as their primary supervisor.

### 4. Professional Career

Instructor 05/1994-08/1995  
Department of Health Policy and Management  
School of Hygiene and Public Health  
Johns Hopkins University  
Baltimore, Maryland

Assistant Member 10/1995-10/2000  
Cancer Prevention Research Program &  
Biostatistics Program  
Division of Public Health Sciences  
Fred Hutchinson Cancer Research Center  
Seattle, Washington

Affiliate Assistant Professor 12/1995-06/2001  
Department of Biostatistics  
School of Public Health and Community Medicine

University of Washington  
Seattle, Washington

Associate Member 11/2000-10/2004  
Cancer Prevention Research Program &  
Biostatistics Program  
Division of Public Health Sciences  
Fred Hutchinson Cancer Research Center  
Seattle, Washington

Affiliate Associate Professor 7/2001-10/2004  
Department of Biostatistics  
School of Public Health and Community Medicine  
University of Washington  
Seattle, Washington

Professor (tenured) 11/2004-present  
School of Public Health  
University of Alberta  
Edmonton, Alberta CANADA

## 5. Professional Memberships

American Society of Human Genetics  
American Society of Clinical Oncology  
American Statistical Association  
European Society of Human Genetics  
International Biometrics Society  
Canadian Society of Epidemiology and Biostatistics  
Alberta Machine Intelligence Institute (PI/Fellow, 2013-2014 Scientific Director)  
Statistical Society of Canada (2011-2012 President of Biostatistics Section)

## 6. Grant Review / Study Activities

NIH Study Section, Cancer Biomarkers (Regular Member) 2003-2007  
Canadian Institute of Health Research, Population Health (Regular Member) 2007-2010  
NIH Study Section, Cancer Molecular Pathobiology (Ad hoc Member)  
The Cancer Society of New Zealand Research Grants, New Zealand  
Guy's & St Thomas' Charitable Foundation, UK  
US-Israel Binational Science Foundation, Israel  
Research Grants Council, Hong Kong  
Cancer Research UK, Science Committee  
Institut National du Cancer, France  
Japan Society for Promotion of Science, Japan

## 7. Honors and Awards

Conference Fellow,  
American Statistical Assoc. 9th Conference on Radiation and Health. 07/1990

Student Travel Award,  
Eastern North American Region of the Biometrics Society. 12/1993

Delta Omega Public Health Honor Society,  
School of Hygiene and Public Health, Johns Hopkins University 05/1994

Phi Beta Kappa, Alpha Chapter of Maryland, Johns Hopkins University	05/1995
1994 Faculty Award (for excellence in teaching/advising) Student Coordinating Committee, Department of Health Policy and Management, School of Hygiene and Public Health, Johns Hopkins University	05/1995
A.M.T.R.A. (Advising, Mentoring, and Teaching Recognition Award) The Student Assembly, School of Hygiene and Public Health, Johns Hopkins University	05/1995
Teaching Award of Excellence, Public Health Sciences Student Association, School of Public Health, University of Alberta.	05/2007
Teaching Award of Excellence, Public Health Sciences Student Association, School of Public Health, University of Alberta.	05/2009
Killam Annual Professor Award, Research, Teaching and Service, University of Alberta.	2012-2013
Health Senior Scholar Award, Alberta Heritage Foundation for Medical Research.	2006-2013
Canada Research Chair in Biostatistics and Epidemiologic Methods Canada Research Chair Program.	2005-2015
American Association for Cancer Research Team Science Award	03/2019

## 8. Institutional and Committee Assignments

- Faculty Evaluation Committee, School of Public Health, University of Alberta (5 years)
- Diversity and Inclusion Working Group, School of Public Health, University of Alberta (2012-2013)
- Dean's Selection Committee, School of Public Health, University of Alberta (2012-2013)
- PhD Committee, School of Public Health, University of Alberta (10 years)
- Faculty Promotion Committees, St. Jude Children's Research Hospital (3 times)
- Genetics Working Group Co-Chair, Cancer Control and Survivorship Program, St. Jude Children's Research Hospital (2015-2018)

## 9. Professional Administrative Services

### Journal Referee:

Advances in Clinical Chemistry  
American Journal of Epidemiology  
Bioinformatics  
Biometrics  
Biostatistics  
BMC Bioinformatics  
British Journal of Cancer

Cancer  
 Cancer Causes and Control  
 Cancer Epidemiology, Biomarkers & Prevention  
 Cancer Research  
 Clinical Chemistry  
 Electrophoresis  
 Epidemiologic Perspectives & Innovations  
 Epidemiology  
 Ethnicity & Disease  
 International Journal of Cancer  
 Journal of Clinical Endocrinology & Metabolism  
 Journal of Clinical Epidemiology  
 Journal of Clinical Oncology  
 Journal of the American Statistical Association  
 Journal of the National Cancer Institute  
 Lancet  
 Medical and Pediatric Oncology  
 Medical Care  
 Molecular Medicine  
 Proteomics  
 Social Science and Medicine  
 Statistics in Medicine

## 10. Formal Education/Teaching Activities

### Graduate School Teaching

1. Biostatistics I (University of Alberta)
 

2006-7: # of students 60; Evaluation 4.8 out of 5.0
2007-8: # of students 37; Evaluation 4.6 out of 5.0
2008-9: # of students 43; Evaluation 4.8 out of 5.0
2. Biostatistics II (University of Alberta)
 

2004-5: # of students 24; Evaluation 4.3 out of 5.0
2005-6: # of students 26; Evaluation 4.6 out of 5.0
3. Biostatistics III (University of Alberta)
 

2008-9: # of students 21; Evaluation 4.9 out of 5.0
2009-10: # of students 15; Evaluation 5.0 out of 5.0
2010-11: # of students 19; Evaluation 4.8 out of 5.0
2011-12: # of students 20; Evaluation 4.8 out of 5.0
2012-13: # of students 21; Evaluation 4.9 out of 5.0
2013-14: # of students 25; Evaluation 4.9 out of 5.0
4. Research Analyses in the Health Services Research and Social Sciences  
(Johns Hopkins University)
 

1994: # of students 50: Received 1994 Faculty Award for Excellence in Teaching/Advising, and Advising Mentoring & Teaching Recognition Award
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### Student Advising (*Italic: Primary Advisees*)

#### University of Alberta

*Noha Sharaf-Eldin, PhD in Epidemiology*  
*Denise Adams, PhD in Public Health Sciences*  
*Jesus Serrano Lomelin, PhD in Epidemiology*  
*Kai On Wong, PhD in Epidemiology*  
*Erin Kreiter, PhD in Epidemiology*  
*Atsushi Kawaguchi, PhD in Epidemiology*  
*Cindy Im, PhD in Epidemiology*  
*Farideh Bagherzadeh-Khiabani, PhD in Epidemiology*  
*Weihong Hu, MSc in Epidemiology*  
*Anmmd Kamruzzaman, MSc in Public Health Sciences*  
*Weiyu Qiu, MSc in Epidemiology*  
*Wei Liu, MSc in Epidemiology*

Fei Xu, MSc in Epidemiology  
Isac Lima, MSc in Epidemiology  
Xuan Wu, MSc in Epidemiology  
Jean Trines, MSc in Clinical Epidemiology  
Mohamed El Shayeb, MSc in Clinical Epidemiology  
Jennifer Stanger, MSc in Clinical Epidemiology  
Tarek Moten, MPH in Clinical Epidemiology  
Chunying Niu, MPH in Applied Biostatistics  
Xue Li, MPH in Applied Biostatistics  
Yibing Ruan, MPH in Applied Biostatistics  
Stacey Fisher, MSc in Epidemiology  
Huiru Dong, MSc in Epidemiology  
Conrado Franco-Villalobos, MSc in Epidemiology  
Qiaozhi Li, MSc in Epidemiology  
Jian Yong, MSc in Epidemiology  
Shomoita Alam, MSc in Epidemiology  
Kaviul Anam Khan, MSc in Epidemiology  
He Gao, MSc in Epidemiology  
Linwei Wang, MSc in Epidemiology  
Sohaib Mohammad, MSc in Epidemiology  
Jessica Baedke, MSc in Epidemiology  
Lauren Lindsey, MSc in Epidemiology  
Shuai Zhi, PhD in Public Health Sciences  
Megan Johnston, PhD in Epidemiology  
Amy Colquhoun, PhD in Epidemiology  
Lihui Liu, Ph.D. in Math Stat Sciences  
Kate Williams, MSc in Epidemiology  
Isabelle Colmers, MSc in Epidemiology  
Emily Hasting, PhD in Epidemiology  
Albek Adimagambetov, MSc in Computing Sciences

#### Other Institutions

Jose Miguel Martinez Martinez, Ph.D. in Statistics, Technical University of Catalonia  
Nadine Chan, Ph.D. in Health Services Research, University of Washington  
Holy Elizabeth Janes, Ph.D. in Biostatistics, University of Washington  
Breeana L. Mitchell, Ph.D. in Molecular and Cellular Biology, University of Washington  
Laura Newcomer, Ph.D. in Epidemiology, University of Washington  
Kimberly Robien, Ph.D. in Nutritional Sciences, University of Washington  
Hoai Do, M.P.H. in Health Services Research, University of Washington  
Paul Hoffmeister, M.P.H. in Biostatistics, University of Washington  
Sara Jackson, M.P.H. in Health Services Research, University of Washington  
James Ralston, M.P.H. in Health Services Research, University of Washington  
Matthew Thompson, M.P.H. in Health Services Research, University of Washington  
Erica Woodall, M.P.H. in Health Services Research, University of Washington

#### **Postdoctoral Fellows**

William Letsou (2018-Current), St. Jude Children's Research Hospital  
John Brooke (2016-2019), St. Jude Children's Research Hospital  
Daisuke Yoneoka (2016-2018), St. Jude Children's Research Hospital  
Leah Martin (2011-2016), University of Alberta  
Karim Abou-Moustafa (2012-2014), University of Alberta  
Shakhawat Hossain (2008-2010), University of Alberta  
Anamaria Savu (2007-2011), University of Alberta  
Adeniyi Adewale (2006-2007), University of Alberta  
Irina Dinu (2005-2007), University of Alberta  
Hyang Mi Kim (2004-2007), University of Alberta

## 11. Technology Transfer

1. Community implementation/engagement with TB/HIV Research Foundation, Chiang Rai, Thailand, providing development/evaluation research on TB detection & control tools in Chiang Rai Province (the First Prize in 2013 Thailand Innovation Award for our Automated TB Detection System). Role: Researcher. 1998-2015
2. Community implementation/engagement with ASSIST Community Services Centre, Edmonton, Alberta, Canada, providing trial-proven intervention materials for promoting utilization of cervical cancer screening among Chinese immigrants. Role: Researcher. 2010-2011
3. Community implementation/engagement with Alberta Health Services (the provincial healthcare agency of Alberta), Alberta, Canada, providing prediction modeling tools for the monitoring and preparedness of influenza outbreak/epidemic. Role: Researcher. 2009-2010

## 12. Grant Awards

### A. Active Grants:

1. Childhood Cancer Survivor Study (PI: Greg Armstrong)  
NIH/NCI U24CA055727 02/16 - 11/21 10%  
\$19,121,066 Exec. Comm. Member, Steering Comm. Member,  
Epi/Biostat Working Group Chair
2. Late effects prediction using clinical phenotypes and whole genome sequencing (MPIs: Yutaka Yasui, Jinghui Zhang)  
NIH/NCI R01CA216354 04/17-03/22 25%  
\$3,457,455 Co-Principal Investigator
3. Improving assessment and treatment of cardiovascular risk factors among childhood cancer survivors (PI: Eric Chow)  
NIH/NCI R01CA204378 12/16-02/22 5%  
\$110,162 (Subcontract annual) Co-Investigator
4. Cerebrospinal fluid biomarkers of long-term neurocognitive and brain imaging adverse outcomes in survivors of childhood lymphoblastic leukemia treated with chemotherapy (PI: Kevin Krull)  
V Foundation Cancer Survivorship Award 02/19-02/22 5%  
\$545,455 Co-Investigator
5. Therapy-related Leukemia Following Autologous Transplantation for Lymphoma (PI: Smita Bhatia)  
NIH/NCI P50CA107399 09/18-08/23 10%  
\$11,791 (Subcontract annual) Co-Investigator
6. The St. Jude Lifetime Cohort (MPI: Melissa Hudson, Leslie Robison)  
NCI 2 U01CA195547-06 12/19-11/24 5%  
\$8,432,014 Co-Investigator

### B. Pending Grants:

1. Innovative Statistical Analysis for Genome-Wide Data with Interval-Censored Outcomes of Oral Health in Childhood Cancer Survivors (MPI: Yimei Li, Liang Zhu)  
NIH/NIDCR R03DE029238 05/20-04/22 3%  
\$352,065 Co-Investigator

### C. Completed Grants:

1. Study to Understand Prognoses and Preferences for Outcomes and Risks of Treatment (PI: William Knaus)  
The Robert Wood Johnson Foundation 05/94-08/95 Co-Investigator
2. Return to Work Following Injury (PI: Ellen MacKenzie)  
CDC: CCR303568 05/94-08/95 Co-Investigator
3. Childhood Cancer Survivors Study (PI: Les Robison, Greg Armstrong)  
NIH/NCI: U24CA55727 09/99-01/16  
NIH/NCI: U01CA55727 10/95-06/98 Co-Investigator
4. Four Markers of Dietary Fat in Post-Menopausal Women (PI: Mark Kestin)  
NIH/NCI: U01CA61712 10/95-09/96 Co-Investigator
5. Mammography Use by Low Income Women: A randomized trial (PI: Vicky Taylor)  
NIH/NCI: R01CA62119 10/95-07/98 Co-Investigator
6. Cancer Control Surveillance and Investigation System (PI: Emily White)  
NIH/NCI: R01CA64138 10/95-03/99 Co-Investigator
7. Cancer Prevention Research Program (PI: Ziding Feng/Paula Diehr)  
NIH/NCI: R01CA34847 10/95-03/00 Co-Investigator
8. Community Trial of Breast Cancer Screening Promotion (PI: Nicole Urban)  
NIH/NCI: R01CA60131 10/95-02/99 Co-Investigator
9. Cervical Cancer Control in a Cambodian Population (PI: Vicky Taylor)  
NIH/NCI: R01CA70922 06/96-03/00 Co-Investigator
10. Fatty Acids as Biomarkers of Dietary Fat Intake (PI: Mark Kestin)  
NIH/NCI: R01CA61712 07/97-06/01 Co-Investigator
11. Exercise Effect on Sex Hormones in Postmenopausal Women (PI: Anne McTiernan)  
NIH/NCI: R01CA69334 08/97-04/01 Co-Investigator
12. Cancer Control in North American Chinese Women (PI: Vicky Taylor)  
NIH/NCI: R01CA74326 09/97-06/01 Co-Investigator
13. Counseling Strategies for Breast Cancer Risk (PI: Deb Bowen)  
NIH/NCI: R01CA01190 01/98-12/00 Co-Investigator
14. Cessation in Heavy Smokers Using NRT and Adjuvant Video (PI: Beti Thompson)  
NIH/NCI: R01 CA74336 01/98-06/02 Co-Investigator
15. Genetic Risk Information for a Defined Population (PI: Deb Bowen)  
NIH/NCI: R01CA796540 06/98-05/01 Co-Investigator
16. Premature Menopause in Survivors of Childhood Cancer (PI: Chuck Sklar)  
NIH/NCI: R01CA79024 09/98-08/01 Co-Investigator
17. Exercise Intervention in Colorectal-Polyp Patients (PI: Anne McTiernan)  
NIH/NCI: R01CA77572 12/99-11/03 Co-Investigator
18. Early Detection Research Network: Data Management and Coordinating Center (PI: Ziding Feng)  
NIH/NCI: 04/00-03/05 Co-Investigator
19. Statistical Methods for Community Intervention Trials (PI: Ziding Feng)  
NIH/NCI: R01CA84079 07/00-06/04 Co-Investigator
20. Genetic Epidemiologic Studies of Colon Polyps and Cancer (PI: John Potter)  
NIH/NCI: R01CA59045 09/00-06/04 Co-Investigator
21. Evaluating Use of Genetic Information: A Model Process (PI: Wylie Burke)  
NIH: R01HG02263 01/01-12/03 Co-Investigator
22. Polymorphism in PG/COX Pathway and Colorectal Polyps (PI: Neli Ulrich)  
NIH: R01CA89445 06/01-05/04 Co-Investigator
23. Statistical Methods for Medical Studies (PI: Ross Prentice)  
NIH: P01CA53996 07/01-06/06 Co-Investigator
24. Colorectal Cancer Screening in Chinese Americans (PI: Shin-Ping Tu)  
NIH: R01CA92432 09/01-08/05 Co-Investigator
25. Protein profiles in pre-diagnosis serum as biomarkers for breast cancer (PI: Yutaka Yasui)  
FHCRC Center Pilot Grant 12/01-11/02 Principal Investigator
26. A Novel Serum Protein Profiling Approach for Diagnosis and Prognosis of Prostate Cancer Using Protein Biochip Mass Spectrometry (PI: Bao-Ling Adam)

- Department of Defense DAMD17-02-0054 01/02-12/04 Co-Investigator
27. Epstein-Barr virus antibody titers, cytokines, and proteomic markers of breast cancer risk in Japanese women (PI: Yutaka Yasui)  
Avon Foundation 10/02-09/03 Principal Investigator
  28. Liver cancer control among north American Chinese (PI: Vicky Taylor)  
NIH: R01CA097199 07/03-06/07 Co-Investigator
  29. Proteomic Markers of Health Behavior (PI: Yutaka Yasui)  
NIH: R03CA108339 04/04-03/06 Principal Investigator
  30. Health Outcomes for Hodgkin Disease Survivors (PI: Deb Friedman)  
NIH: R01CA 04/04-03/08 Co-Investigator
  31. Mammography and High-Risk Survivors of Pediatric Cancer (PI: Kevin Oeffinger)  
NIH: R21CA 04/04-03/06 Co-Investigator
  32. Ethnic Differences in Survival after Childhood ALL (PI: Smita Bhatia)  
NIH: R01CA 07/04-06/09 Co-Investigator
  33. Enhancing Long-Term 5-a-Day Behavior Change in Worksites (PI: Shirley Beresford)  
NIH/NCI: R01CA105835 09/04-08/09 Co-Investigator
  34. Hepatitis B ESL Education for Chinese (PI: Vicky Taylor)  
NIH/NCI: R01CA113663 04/05-03/10 Co-Investigator
  35. Protein Biomarkers of Cancer Risk in Older Persons (PI: Chris Li)  
NIH/NCI R01CA116393 07/05-06/09 Co-Investigator
  36. Process and outcomes of highly active anti-retroviral therapy (HAART) in HIV-infected patients in northern Alberta (PI: Duncan Saunders)  
Alberta Heritage Foundation for Medical Research 07/05-06/07 Co-Investigator
  37. Cervical Cancer Control in Vietnamese Women (PI: Vicky Taylor)  
NIH/NCI R01CA115564 08/05-05/09 Co-Investigator
  38. Alberta Physical Activity (ALPHA) and Breast Cancer Prevention Trial: an ancillary study examining androgens, biomarkers of obesity, and inflammation (PI: Christine Friedenreich)  
Canadian Breast Cancer Research Alliance 03/06-02/08 Co-Investigator
  39. Metabolic syndrome and lifestyle risk factors in endometrial cancer and survival (PI: Christine Friedenreich)  
Alberta Cancer Board 04/06-03/09 Co-Investigator
  40. Statistical methods for biomarker discovery based on high-dimensional gene/protein expression profiles (PI: Yutaka Yasui)  
Canadian Institutes for Health Research 04/06-03/09 Principal Investigator
  41. Measurement error in cumulative exposure in case-control studies of gene-environment interaction (PI: Igor Burstyn/Yutaka Yasui)  
Canadian Institutes for Health Research 06/06-05/07 Co-Principal Investigator
  42. Effectiveness of school programs in preventing childhood overweight: A natural experiment created by new policy (PI: Paul Veugelers)  
Canadian Population Health Initiative 07/06-06/08 Co-Investigator
  43. Identification and validation of circulating biomarkers for the early detection of breast cancer in pre-clinical specimens (PI: Christopher Li)  
NIH/NHLBI BAA-WHI-06-09 01/07-01/09 Co-Investigator
  44. Database linkage to identify and quantify use of key health services from pre-diagnosis to treatment and time between services for colorectal cancer patients (PI: Marcy Winget)  
Canadian Institutes for Health Research 03/07-03/08 Co-Investigator
  45. Identification and evaluation of colorectal cancer patient trajectories from pre-diagnosis to death (PI: Marcy Winget)  
Canadian Institutes for Health Research 07/07-06/09 Co-Investigator
  46. Evaluation and measurement of time to care for colorectal cancer patients from pre-diagnosis to death using population-based data sources (PI: Marcy Winget)  
National Cancer Institute of Canada 07/07-06/10 Co-Investigator
  47. Cancer Control Dissemination to Asian Americans (PI: Shin-Ping Tu)  
R01CA124397 09/07-10/12 Co-Investigator



48. The initiative for Translational Hypertension Research: Tackling hypertension-related health management through knowledge translation, system re-design and direct translation of bench research to practice (PI: Branko Braam, Anne Sales)  
Faculty of Medicine & Dentistry and Capital Health Emerging Research Teams Grant Program  
03/08-02/11 Co-Investigator
49. Development of a multidimensional measure of activity energy expenditure for use in large populations (PI: Ilona Csizmadi)  
Canadian Institutes for Health Research 04/08-09/10 Co-Investigator
50. Relationship of Prothrombotic Markers to Thrombosis in Survivors of Childhood Cancer (PI: Lesley Mitchell)  
C17 Research Network 07/08-06/10 Co-Investigator
51. Cancer incidence for patients with Type 2 Diabetes exposed to oral hypoglycemics: Are there differences between agents? (PI: Jeffrey Johnson)  
Canadian Institutes for Health Research 09/08-10/09 Co-Investigator
52. Evaluation of Hepatitis B Outreach Intervention for Cambodians (PI: Vicky Taylor)  
NIH/NCI R01CA134245 09/08-08/12 Co-Investigator
53. Alberta Ingenuity Centre for Machine Learning (co-PI: Yutaka Yasui)  
Alberta Ingenuity Fund 04/09-03/17 co-Principal Investigator
54. Physical Activity and Breast Cancer Survivorship (Preparation grant) (PI: Kerry Courneya)  
Canadian Institutes of Health Research 06/09-05/10 Co-Investigator
55. Towards a Cardiovascular Gene Chip (PI: Branko Braam, Yutaka Yasui)  
University Hospital Foundation 09/09-08/12 Co-Principal Investigator
56. Statistical Methods for Biomarker Discovery based on Complex High-Dimensional Biological Data (PI: Yutaka Yasui)  
Canadian Institutes for Health Research 10/09-09/12 Principal Investigator
57. Pathway Analysis of Genome Wide Association Study in Application to TB Recurrence Risk Evaluation in Northern Thailand (PI: Katsushi Tokunaga)  
Mitsubishi Foundation 10/09-09/10 Co-Investigator
58. Statistical Methods for Epidemiological Investigations (PI: Yutaka Yasui)  
Canadian Institutes of Health Research 04/10-03/13 Principal Investigator
59. Tuberculosis detection by a novel low-cost system with automated image analysis under resource limited settings (PI: Yutaka Yasui)  
Alberta Ingenuity Centre for Machine Learning 04/10-03/11 Principal Investigator
60. Predicting late effects of individual cancer survivors (PI: Yutaka Yasui)  
Canadian Institutes of Health Research 10/10-03/12 Principal Investigator
61. Gene-treatment interaction analysis of the risk for serious treatment sequelae in GWAS (Subcontract PI: Yutaka Yasui)  
Beckman Research Institute 10/10-09/11 Principal Investigator
62. The Breast Cancer and Exercise Trial in Alberta: The BETA Trial (PI: Christine Friedenreich)  
Canadian Cancer Society Research Institute 03/11-02/13 Co-Investigator
63. Population-based evaluation of quality and timeliness of breast cancer care (PI: Marcy Winget)  
Canadian Institutes of Health Research (CIHR) 4/11-03/14 Co-Investigator
64. HPV vaccination in the Cambodian community (PI: Vicky Taylor)  
NIH/NCI R21CA159908 07/11-06/12 Co-Investigator
65. Acquired abnormalities in the hemostatic system in obese children prone to Type 2 diabetes: Mechanisms and interventions for risk of cardiovascular disease (PI: Lesley Mitchell)  
Canadian Institutes of Health Research (CIHR) 10/11-09/14 Co-Investigator
66. Addressing Community Concerns about Health Risks from Helicobacter Pylori Infection in Northern Canada. (PI: Karen Goodman)  
Canadian Institutes of Health Research (CIHR) 10/11-09/16 Co-Investigator
67. New Functional Interaction Analysis for Understanding Key Biological Processes (PI: Katsushi Tokunaga)  
Japan Society for the Promotion of Science (JSPS) 2012 Co-Investigator
68. Cell Wall Glycan Biomarker for Tuberculosis. (PI: Todd Lowary)  
Bill and Melinda Gates Foundation 01/12-12/14 Co-Principal Investigator
69. Effective Policy for Managing Rare Disease. (PI: Dev Menon)

- Canadian Institutes of Health Research (CIHR) 02/12-01/17 Co-Investigator
70. Networking for Research on Host Pathogen Interaction of Tuberculosis and Micobacterium-related Diseases. (PI: Katsushi Tokunaga)  
Japan Society of Promotion Science 04/12-03/15 Co-Investigator
71. Neurodevelopment of Preschoolers Exposed Prenatally to Bisphenol A and Phthalates; Interactions with Diet and Neurotoxicant Co-exposures. (PI: Jonathan Martin)  
Canadian Institutes of Health Research (CIHR) 09/12-08/17 Co-Investigator
72. The Chapter Study: Congenital Heart Adolescents Participating in in Transition Evaluation Research. (PI: Andrew Mackie)  
Heart Stroke Foundation Canada (HSFC) 09/12-08/15 Co-Investigator
73. Dissemination of an Efficacy Proven Intervention for Promoting Pap Test Among Chinese Immigrants Using Information Technology. (PI: Yutaka Yasui)  
Canadian Institute of Health Research (CIHR) 10/12-03/16 Principal Investigator
74. Alberta Physical Activity and Breast Cancer Prevention Trial: An ancillary study examining anti-inflammatory markers and oxidative stress. (PI: Christine Friedenreich)  
Canadian Institutes of Health Research (CIHR) 02/13-01/15 Co-Investigator
75. Reproductive and Work-related Health in Female Welders and Electricians. (PI: Nicola Cherry)  
Canadian Institutes of Health Research (CIHR) 10/13-09/17 Co-Investigator
76. Cancer Cachexia: Phenotype Definition, Markers for Genetic Predisposition and Prognosis (PI: Sambu Damaraju)  
Canadian Institutes of Health Research (CIHR) 10/13-09/18 Co-Investigator
77. Managing urinary incontinence in elderly village women in rural Bangaldesh: a cluster randomized trial of a community exercise-based intervention. (PI: Nicola Cherry)  
Canadian Institutes of Health Research (CIHR) 07/14-12/17 Co-Investigator
78. Spatio-temporal modelling and prediction of influenza-like illness (PI: Yutaka Yasui)  
Canadian Institutes of Health Research (CIHR) 10/14-09/16 Principal Investigator
79. Defects in telomere maintenance associated with thyroid second malignant neoplasm in childhood cancer survivors (PI: Monica Gramatges)  
NIH/NCI R01CA194473 09/15-08/19 Co-Investigator

### 13. Clinical Trials Involvement

1. Study to Understand Prognoses and Preferences for Outcomes and Risks of Treatment: Support Intervention Trial (PI: William Knaus) 1994-1995
2. A Randomized Trial to Promote Mammography Use by Low Income Women (PI: Vicky Taylor) 1995-1998
3. Community Trial of Breast Cancer Screening Promotion (PI: Nicole Urban) 1995-1999
4. Community Intervention Trial of Cervical Cancer Control in a Cambodian Population (PI: Vicky Taylor) 1996-2000
5. A Randomized Trial for Cancer Control in North American Chinese Women (PI: Vicky Taylor) 1997-2001
6. The Effect of Phytoestrogens on Normal Breast Tissue in Postmenopausal Women With Breast Cancer: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial Phase II. (PI: Julie R. Galow) 1998-1999
7. A Randomized Trial for Counseling Strategies for Breast Cancer Risk (PI: Deb Bowen) 1998-2000
8. Cessation Trial in Heavy Smokers Using NRT and Adjuvant Video (PI: Beti Thompson) 1998-2002

9. Exercise Intervention Trial in Colorectal-Polyp Patients (PI: Anne McTiernan) 1999-2003
10. A Randomized Trial to Promote Colorectal Cancer Screening in Chinese Americans (PI: Shin-Ping Tu) 2001-2005
11. Worksite Intervention Trial for Enhancing Long-Term 5-a-Day Behavior Change (PI: Shirley Beresford) 2004-2009
12. ESL-based Trial for Promoting Hepatitis B Testing/Education for Chinese (PI: Vicky Taylor) 2005-2010
13. Alberta Physical Activity (ALPHA) and Breast Cancer Prevention Trial (PI: Christine Friedenreich) 2006-2008
14. A Randomized Trial of Hepatitis B Outreach Intervention for Cambodians (PI: Vicky Taylor) 2008-2012
15. The Breast Cancer and Exercise Trial in Alberta: The BETA Trial (PI: Christine Friedenreich) 2011-2013
16. Managing urinary incontinence in elderly village women in rural Bangladesh: a cluster randomized trial of a community exercise-based intervention (PI: Nicola Cherry) 2014-2017

## 14. Publication Record

### A. Peer Reviewed Publications

#### Original Research Articles

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### Book Chapters and Monographs

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