

# CURRICULUM VITAE

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University of Minnesota

Wednesday, October 25, 2023

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## Education

### Formal Education

- University of Minnesota, Doctor of Philosophy, Biostatistics, August 1984
- University of Minnesota, Master of Science, Biometry and Health Information Systems, March 1979
- Augustana College, Bachelor of Arts, Mathematics, June 1974
- Shattuck School, Faribault, Minnesota, Secondary School, June 1968

### Educational Considerations

- Doctoral Dissertation Title: *Biometric Design and Analysis in Clinical Trials of Mass Screening for Chronic Disease*
- Master's Plan B Paper: *A Method to Reduce Time and Cost in a Duck Vein Assay for Oxytocin*

## Professional Experience

- Professor Emeritus, Division of Environmental Health Sciences, School of Public Health, University of Minnesota, April 2021 to present
- Professor with tenure, Division of Environmental Health Sciences, School of Public Health, University of Minnesota, July 2005 to April 2021
- Associate Professor, Division of Environmental Health Sciences, School of Public Health, University of Minnesota, July 1996 to June 2005
- Member, Prevention and Etiology Section, University of Minnesota National Cancer Institute-designated Comprehensive Cancer Center, August 1996 to present
- Director, Tachyarrhythmia Clinical Studies Center, Tachyarrhythmia Management Business, Medtronic, Inc., October 1993 to July 1996
- Senior Research Associate, Environmental and Occupational Health, School of Public Health, University of Minnesota, May 1992 to July 1996
- Research Associate, Environmental and Occupational Health, School of Public Health, University of Minnesota, January 1987 to May 1992

- Manager of Biometry, Clinical Operations Department, Medtronic, Inc., July 1982 to January 1987
- Biometrician, Biometry Group, Clinical Operations Department, Medtronic, Inc., July 1980 to July 1982
- Research Fellow, Division of Biometry, University of Minnesota, July 1978 to July 1980
- Statistical and Data Processing Analyst, Department of Graduate Studies in Pharmacy Administration, University of Minnesota, July 1974 to July 1980
- Data Processing Consultant, Curriculum Management Information System of the Office of Student Affairs, College of Pharmacy, University of Minnesota, January 1976 to July 1980
- Teaching Assistant, Department of Mathematics, Augustana College, February to July 1974

***Graduate Faculty Appointments***

- University of Minnesota, School of Public Health, Division of Environmental Health Sciences, 1990 to present
- University of Minnesota, School of Public Health, Division of Epidemiology, 2001 to present
- University of Minnesota, School of Public Health, Division of Biostatistics, 1990 to 1993

***Special Honors and Awards***

- Delta Omega Public Health Honorary Society, 1984
- Sigma Xi Honor Society, 1980
- Arthur B. Cohn Scholarship for Outstanding Freshmen, Rice University, 1968
- American Mathematics Association Award, 1967 and 1968
- *Cum Laude*, 1968
- Rensselaer Polytechnic Institute Award for Mathematics and Science, 1967

**Research Funding*****External Grants, Contracts and Awards Obtained***

- 1) Principal Investigator, “GLNE007: Validation and Comparison of Biomarkers for the Early Detection of Colorectal Adenocarcinoma.” Funding: University of Michigan (NCI prime) 05/01/2017 – 04/15/2021  
Purpose: to identify biomarkers for early detection of colorectal cancer by recruiting subjects undergoing screening or surveillance colonoscopy and collecting blood and stool samples prospectively.
- 2) Co-investigator, “Randomized, Controlled Trial of Computer Aided Detection device in standard colonoscopy.” Funding: Iterative Scopes, Inc. 10/11/2019 – 06/30/2020.  
Purpose: to evaluate the health benefits and safety of using an artificial intelligence (AI) device during screening and surveillance colonoscopy in recruited subjects undergoing colonoscopy in routine practices and thereby to determine whether the AI can be used to more effectively find colorectal polyps or cancerous lesions. (PI: A. Shaukat)
- 3) Co-investigator, “Who Benefits from Colon Cancer Screening?” Funding: VA Healthcare System. 08/01/2017 – 07/31/2021.

Purpose: to combine long-term mortality from the first three large, randomized trials of fecal occult blood test (FOBT) screening for colorectal cancer: the Minnesota Colon Cancer Control Study, the Nottingham Study, and the Danish Study. This pooled meta-analysis of over 300,000 randomized subjects will address the size and duration of the mortality reduction produced by FOBT screening. (PI: A. Shaikat)

- 4) Co-investigator, "Evaluation of Link for Equity: A Program to Reduce Racial/Ethnic School Violence Disparities." Funding: NIH-NIMHD. 04/12/2019 – 12/31/2023.  
Purpose: to adapt, implement and evaluate the effectiveness of Link for Equity in reducing school violence and discipline disparities in 12 public secondary schools in Minnesota, using a randomized-waitlist-control trial. (PI: M. Ramirez)
- 5) Principal Investigator, "Great Lakes/New England Clinical Validation Center, Early Detection Research Network" Funding: University of Michigan (NIH) 04/06/2016 – 03/31/2021  
Purpose: to provide resources and funding to translate newly discovered early detection tests through the validation phase into clinical use. Part of that effort is the GLNE 010 study, which seeks to validate a blood marker and a stool marker, as well as create a biorepository of blood, urine, and stool for future validation efforts.
- 6) Principal Investigator, "Analysis of Phase I Trial for CXR1002." Funding: 3M, Inc. 02/10/2014 – 05/09/2015. Purpose: To examine time-dependent relations between CXR1002 serum and urine levels, liver and renal function, coagulation, lipids, thyroid hormones, PPAR- $\alpha$  and - $\gamma$ , insulin, and glucose by age, sex, cancer type, and treatment in late-stage cancer patients in a Phase I trial of CXR1002.
- 7) Principal Investigator, "Analysis of Red Cross Blood Samples." Funding: 3M, Inc. 01/01/16 – 12/31/16. Purpose: To analyze samples from 2015 Red Cross donors across the country for perfluoroalkyl compounds (PFACs) and their metabolites to determine what changes have occurred following similar analyses in 2000, 2006, and 2010, which showed decreases of approximately 50% in compounds related to products 3M removed from the market.
- 8) Co-investigator, "Mortality and Cancer Incidence in PFOS Exposed Workers." Funding: 3M, Inc. 06/01/15 – 05/31/16. Purpose: To evaluate potential health risks associated with occupational exposure to perfluorooctanesulfonyl fluoride (POSF) by estimating the mortality experience of workers employed at a 3M facility in Decatur Alabama that manufactured POSF from the early 1960s through 2002. Cause specific mortality rates will be compared to the prevailing mortality rates in Alabama by exposure status and an internal analysis will compare the rates of selected causes of death within the cohort. (PI: B. Alexander)
- 9) Principal Investigator, "Creation of a Parkinson Disease Registry and Initial Studies to Address Its Causes and Genetic Susceptibility" Funding: MnDRIVE. 07/01/2014 – 06/30/2016. Purpose: To create a registry of patients and unaffected volunteers interested in participating in Parkinson's disease research and initiates a study of PD causal factors, specifically examining environmental exposures to pesticides and minerals such as manganese and their effect on the risk of PD along with some genetic polymorphisms. Long-term follow-up of participants will provide data for molecular epidemiologic research.

- 10) Principal Investigator, “Central Data Collection Center (CDCC) - Continued Follow-up of PLCO Participants.” Funding: Westat, NIH/NCI Prime (HHSN26120110008C). 03/01/2011 – 02/29/2021. Purpose: To provide support to Westat, Inc., who is administrating a centralized follow-up of participants from the Prostate, Lung, Colorectal and Ovarian (PLCO) Cancer Screening Trial. Follow-up of participants will provide data for molecular epidemiologic research.
- 11) Co-investigator, “Education and Research Center, Occupational Injury Prevention Research Training Program.” Funding: National Institutes of Health, National Institute for Occupational Safety and Health (T42 OH008434). 07/01/2007 – 06/30/2015. Purpose: To provide academic and research doctoral training, relevant to occupational injury epidemiology and control, involving a major multidisciplinary collaborative effort. (S. Gerberich, PI)
- 12) Principal Investigator, University of Minnesota Study Center, “Aspirin/Folate Prevention of Large Bowel Polyps.” Funding: University of North Carolina at Chapel Hill, National Institutes of Health, National Cancer Institute (5R01CA059005-16). 09/30/93 – 07/31/2014. Purpose: To extend the trial of aspirin and folate supplementation for the prevention of colorectal adenomas to complete clinical follow-up and make biological measurements that will clarify the findings to date. (Baron, PI)
- 13) Principal Investigator, “Adenoma Detection Rate and Missed Cancers.” Funding: U.S. Department of Veterans Affairs (VA263-P-1144/PO#VA618-D16011). 10/01/2010 – 09/30/2014. Purpose: To receive and process Minnesota Gastroenterology (MNGI) datasets to create a Variability in Adenoma Detection (AVAD) data base and analytic data sets sufficient to support the proposed analyses; validate the quality of data on a random sample of 1% of all colonoscopy records (approximately 700) by performing manual chart review of MNGI’s colonoscopy and pathology reports; clean, prepare relevant files for merging with Minnesota Cancer Surveillance System (MCSS); and receive final data files from MCSS.
- 14) Principal Investigator, University of Minnesota Study Center, “Colorectal Chemoprevention with Calcium and Vitamin D.” Funding: University of North Carolina at Chapel Hill, National Institutes of Health, National Cancer Institute (7R01CA098286-08). 12/01/2002 – 07/31/2016. Purpose: This clinical trial is to clarify the synergistic and independent chemopreventive effects of both vitamin D and calcium on the development of colon polyps. Epidemiological and experimental data indicate that both exert anti-neoplastic effects in the large bowel. (Baron, PI)
- 15) Principal Investigator, “Who Benefits from Colorectal Cancer Screening? A Subgroup Analysis of the Minnesota Study.” Funding: U.S. Department of Veterans Affairs (VA263-P-1371). 08/01/2011 – 07/31/2014. Purpose: To update the endpoints (deaths) in the Colorectal Cancer Control Study (CCCS) through 30 years of follow-up by linking to the National Death Index.
- 16) Principal Investigator, University of Minnesota Study Center, “Validation and Comparison of Biomarkers for the Early Detection of Colorectal Adenocarcinoma.” Funding: University of Michigan, NIH/NCI Prime (15067/131201). 07/01/2010 – 06/30/2013. Purpose: To identify biomarkers for early detection of colorectal cancer in stool and blood samples. (Brenner, PI)

- 17) Principal Investigator, University of Minnesota Study Center, “Study on Performance Characteristics of Immunochemical and Guaiac FOBT.” Funding: Battelle Memorial Institute, Centers for Disease Control and Prevention (US001-0000234257). 07/07/2010 – 09/30/2014. Purpose: To compare the performance characteristics, including sensitivity and specificity, of a guaiac fecal occult blood test (FOBT) with two immunochemical FOBTs, for detecting advanced colorectal neoplasia among patients without symptoms.
- 18) Co-investigator, “The National Children’s Study: Ramsey Location.” Funding: National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (HHSN275201200015C). 09/28/2012 – 03/31/2013. Purpose: To develop a Study Center for the National Children’s Study (NCS) that will serve an identified base location, Ramsey County, Minnesota. The NCS is a longitudinal cohort study to examine environmental influences on child health and development. (P. McGovern, PI.)
- 19) Principal Investigator, “Prostate Cancer Progression Study.” Funding: National Institutes of Health, National Cancer Institute (HHSN261201000701P). 09/27/2010 – 03/28/2013. Purpose: To obtain additional clinical and treatment information from men diagnosed with clinically localized prostate cancer in the Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening Trial.
- 20) Co-investigator, “Cancer Incidence in 3M Chemical Workers.” Funding: 3M. 03/01/2008 – 12/31/2012. Purpose: To evaluate the risk of cancer associated with occupational exposure to ammonium perfluorooctanoate (APFO) with specific emphasis on cancer of the prostate. (Alexander, PI)
- 21) Co-Principal Investigator, “A Pilot for Genetic Risk Assessment of Pancreatic Cancer Families.” Funding: University of Minnesota Cancer Center. 10/01/2011 – 09/30/2012 . Purpose: To characterize hereditary cancer risks in the approximately 2000 pancreatic cancer patients of the Pancreatic Cancer Collaborative Registry (PCCR) using previously obtained family histories. As a pilot, this program will provide preliminary data on the hereditary nature of pancreatic cancer as well as provide a basis for future studies on treatment and management of familial pancreatic cancer for the Specialized Program of Research Excellence (SPORE) in Pancreatic Cancer. (Madoff, Co-PI)
- 22) Co-investigator, “Minnesota Community Networks Center for Eliminating Cancer Disparities.” Funding: National Institutes of Health, National Cancer Institute (1 U54CA153603-01). 10/01/2010-09/30/2012. Purpose: To establish a Regional Community Networks Program known as the Minnesota Community Networks Center to Reduce Cancer Disparities among racial/ethnic minority populations in Minnesota with an initial focus on Minnesota's growing new immigrant and refugee populations using a Community-Based Participatory Research (CBPR) approach. (Ghebre, PI)
- 23) Principal Investigator, University of Minnesota Study Center, “The Colon Cancer Family Registry: USC Consortium.” Funding: University of Southern California, National Institutes of Health (U24 CA074799). 09/30/1997 – 08/31/2017. Purpose: To continue the collaborative effort for the establishment and maintenance of a cooperative family registry for epidemiologic and interdisciplinary study of individuals at high risk for colorectal cancer. (R. Haile, PI).



- 24) Principal Investigator, “What is the Variability in Detection of Adenomas and Polyps during Screening Colonoscopy and Does It Change over Time with Quality Improvement Programs.” Funding: Veterans Administration Medical Center, Minneapolis Minnesota Veterans Research Institute. 03/01/2010 – 07-31-2012. Purpose: To receive and process Minnesota Gastroenterology (MNGI) datasets to create a Variability in Adenoma Detection (AVAD) data base and analytic data sets sufficient to support the proposed analyses; validate the quality of data on a random sample of 1% of all colonoscopy records (approximately 700) by performing manual chart review of MNGI’s colonoscopy and pathology reports; and assist with statistical analyses, reporting and presenting.
- 25) Co-Principal Investigator, “William Bernstein Family Cancer Registry.” Funding: Masonic Cancer Center (University of MN). 07/01/2008 – 06/30/2012. Purpose: To collect information on the member families to facilitate care and promote research. The ultimate goal is to minimize the burden of familial cancer by reducing the number of cancers and cancer deaths that occur because of familial risk in MN. (Madoff, Co-PI)
- 26) Principal Investigator, “Kidney Function with Vitamin D/Calcium.” Funding: Albert Einstein College of Medicine (I47738). 09/01/2010 – 06/30/2012. Purpose: This study, which is a sub-study of the Colorectal Chemoprevention with Calcium and Vitamin D clinical trial, will collect of blood and urine samples as well as blood pressure measurements for future studies of kidney function.
- 27) Co-investigator, “Consequences of Agricultural Injuries Among Children.” Funding: National Institutes of Health, National Institute for Occupational Safety and Health (R01 OH008258). 07/01/2006 – 06/30/2012. Purpose: To identify the physical, psychosocial, and economic consequences of injuries that occur among children and youths living in agricultural operation households, in a five-state region, using a unique design that enables examination of potential changes between baseline and follow-up data, comparing injured and non-injured households and controlling for important factors including injury/illness experience among other household members. (S. Gerberich, PI)
- 28) Principal Investigator, University of Minnesota Study Center, “Epigenomics: Evaluation of Test Results, 2012.” Funding: Epigenomics, Inc. 01/19/2012 – 05/31/2012. Purpose: To analyze the results of the PRESEPT Study, which evaluated a blood test to screen for colorectal cancer.
- 29) Principal Investigator, University of Minnesota Study Center, “Screening Colonoscopy Feasibility Trial.” Funding: Memorial Sloan – Kettering, National Institutes of Health (R01 CA079572). 06/01/2003 – 04/30/2012. Purpose: To measure the impact of screening colonoscopies on the incidence and mortality rate of colon cancer in the study population. (Winawer, PI)
- 30) Principal Investigator, University of Minnesota Study Center, “Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening Trial.” Funding: National Institutes of Health (N01-CN-25513). July 1999 – 03/31/2012. Purpose: To implement and manage a 19-year collaborative multi-site randomized screening trial to determine if screening for four cancers will result in a significant reduction in cancer-specific mortality.

- 31) Principal Investigator, University of Minnesota Study Center, “National Lung Screening Trial.” Funding: National Institutes of Health, National Cancer Institute (N01-CN-25513). 07/01/2002 – 09/29/2011. Purpose: To implement and manage a collaborative, multi-site randomized screening trial, the primary objectives of which are to determine the mortality-reducing effect and the benefit-to-risk ratio for spiral CT screening compared to chest X-ray screening.
- 32) Principal Investigator, “Medical Record Abstraction for Pancreatic Cancer Survival.” Funding: NIH/National Cancer Institute (HHSN261201000568P). 09/15/2010 – 09/14/2011. Purpose: To retrieve, review and abstract from medical records information on methods of pancreatic cancer diagnosis, stage and whether curative surgery was performed on confirmed pancreatic cancer cases from the University of Minnesota PLCO Center that occurred from 1993 to the present.
- 33) Principal Investigator, University of Minnesota Study Center, “Coordinating Center for Colorectal Microsimulation.” Funding: Memorial – Sloan Kettering, National Institutes of Health (U01-CA115953). 09/01/2009 – 08/31/2011. Purpose: To analyze data from the PLCO trial and use the results to validate Memorial – Sloan Kettering’s Cancer Intervention and Surveillance Modeling Network (CISNET) colon models. (Zauber, PI.)
- 34) Principal Investigator, University of Minnesota Study Center, “PRESEPT Colorectal Cancer Screening Study.” Funding: Epigenomics, Inc. 01/02/2009 – 07/31/2010. Purpose: To provide scientific expertise and data analysis for the PRESEPT Study of a blood test to screen for colorectal cancer.
- 35) Co-investigator, “Nun Study.” Funding: University of Minnesota Medical School. October 2008 – June 2010. Purpose: to determine the relationship between aging and neurological function in a cohort of nuns followed for 40 years.
- 36) Principal Investigator, University of Minnesota Study Center, “Calcium/vitamin D, biomarkers and colon polyp prevention.” Funding: Emory University, National Institutes of Health, National Cancer Institute (5 R01 CA114456-04). April 2009 – 05/31/2010. Purpose: To investigate the efficacy of calcium and vitamin D in normalizing a panel of immunohistochemically detected colon tissue biomarkers for risk for colorectal cancer. (Bostick, PI.)
- 37) Co-investigator, “Spring House Worker Health Study.” Funding: Rohm and Haas Company. May 2008 – April 2010. Purpose: an "all cause" mortality assessment of workers at a chemical research facility will be performed. (Alexander, PI.)
- 38) Co-investigator, “Predictors of adult leukemia.” Funding: National Institutes of Health (R01 CA107143). April 2005 – March 2010. Purpose: the purpose of this study is to examine environmental and genetic factors that may contribute to adult leukemia in a population-based, case-control study. (J. Ross, PI.)
- 39) Principal Investigator, University of Minnesota (UMN) Study Center, “Prospective evaluation of SEPT9 performance for colorectal cancer screening (PRESEPT) Colorectal Cancer Screening Study.” Funding: Epigenomics, Inc., September 2008 – December 2009. Purpose: Epigenomics has devised a blood test to screen for colorectal cancer that they wish to test on human subjects. UMN-Environmental Health Science’s involvement is to recruit and obtain blood samples for 2,105 individuals who are already planning to have colonoscopies as part of their sample of 7,500 individuals to measure the efficacy of Epigenomics’ test.

- 40) Co-investigator, Project Director “Tobacco exposure reduction.” Funding: National Institutes of Health, National Institute on Drug Abuse (P50-DA-013333). September 2004 – August 2009. Purpose: this study comprehensively examined various aspects of tobacco harm reduction: (1) effective methods to reduce tobacco toxin exposure and disease risk; (2) biomarkers to assess this reduction; (3) mechanisms associated with reductions in tobacco toxin exposure; (4) individual differences that moderate exposure and disease risk; and (5) the role of this approach in the treatment of smokers. (D. Hatsukami, PI.)
- 41) Principal Investigator, University of Minnesota Center, “Aspirin/folate prevention of large bowel polyps.” Funding: National Institutes of Health, National Cancer Institute (5 R01 CA 59005). July 2004 – June 2009. Purpose: the major goal of this project was to conduct a randomized, double-blind, placebo-controlled factorial trial to test the efficacy of aspirin and folic acid in preventing recurrence of neoplastic polyps of the large bowel.
- 42) Principal Investigator, “Aspirin and the prevention of large bowel polyps.” Funding: Dartmouth, National Cancer Institute. July 1999 – 2009. Purpose: the major goal of this project is to continue follow-up of cohort from a double-blind, placebo controlled trial to test the efficacy of aspirin and folic acid in preventing recurrence of neoplastic polyps of the large bowel.
- 43) Principal Investigator, “Calcium in the prevention of polyps.” Funding: National Institutes of Health. December 2006 – November 2008. Purpose: this study extended follow-up on the cohort enrolled in a randomized double-blind, placebo controlled trial to test the efficacy of calcium in preventing recurrence of neoplastic polyps of the large bowel.
- 44) Principal Investigator, University of Minnesota Study Center, “Calcium/vitamin D biomarkers and colon polyp prevention.” Funding: National Institutes of Health (R01 CA114456-01). December 2007 – August 2008. Purpose: this study investigates the effect of calcium and vitamin D on risk of colorectal neoplasia as part of the Colorectal Chemoprevention with Calcium and Vitamin D study.
- 45) Principal Investigator, “Computer-aided detection (CAD) in lung cancer screening.” Funding: Riverain Medical. February 2007 – June 2008. Purpose: determine increased sensitivity of computer-aided detection in screening for lung cancer using chest x-ray.
- 46) Co- investigator, “Promoting colon cancer screening in high risk families.” Funding: University of Colorado, National Cancer Institute (R01 CA068099). September 2003 – June 2008. Purpose: survey participants at high risk of colon cancer and their family members to determine factors affecting use of colon cancer screening protocols. (Ahnen, PI.)
- 47) Co-investigator, “Violence against teachers: Etiology and consequences.” Funding: National Institutes of Health, National Institute for Occupational Safety and Health (1 R01-OH007816-01A1). May 2004 – April 2008. Purpose: the major goals of this project are to identify the magnitude of work-related assaults and related risk factors through a two-stage effort, including a case-control study. (S. Gerberich, PI.)
- 48) Principal Investigator, University of Minnesota Study Center, “Quality of life of long-term prostate cancer survivors in the PLCO Trial.” Funding: Georgetown University (ACS prime) (RX 4400-994-UM). January 2007 – January 2008. Purpose: to determine the impact of screening and other factors on the quality of life among prostate cancer survivors compared to that of men without prostate cancer diagnoses. (Taylor, PI.)

- 49) Principal Investigator, “Prostate cancer PLCO occupational data collection.” Funding: Marshfield Clinic. December 2006 – February 2007. Purpose: transcription and coding of occupational data for the PLCO study from baseline surveys to analyze the impact of occupation on risk of cancer and mortality.
- 50) Principal Investigator, “Joint analysis of Minnesota, Funen and Nottingham FOBT Trial Data.” Funding: American Cancer Society (#61207). May 2006 – January 2007. Purpose: perform joint analyses of colorectal cancer mortality in three large, published randomized trials of fecal occult blood screening for colorectal cancer.
- 51) Co-investigator, “Foodborne Disease Active Surveillance Network (FoodNet).” Funding: Association of Schools of Public Health (S2800-22/23). October 2002 – September 2006. Purpose: provide epidemiologic and statistical consulting to the Centers for Disease Control and Prevention FoodNet group related to the design and interpretation of FoodNet studies. (G. Maldonado, PI).
- 52) Principal Investigator, “Interviews on use of GI endoscopy for colorectal cancer screening.” Funding: Veterans Administration. August 2005 – September 2006. Purpose: to survey gastroenterologists regarding issues of capacity and barriers in the use of colonoscopy and flexible sigmoidoscopy in screening for colorectal cancer.
- 53) Thesis Adviser, “Dissertation fellowship – Jurek.” Funding: Environmental Protection Agency. September 2003 – September 2005. Purpose: to develop methods for evaluating the impact of measurement error on the validity of observational epidemiologic studies.
- 54) Faculty, “Education Research Center.” Funding: National Occupational Research Agenda, National Institute for Occupational Safety and Health. July 2004 – June 2005. Purpose: to provide academic and research doctoral training, relevant to occupational injury epidemiology and control, involving a major multidisciplinary collaborative effort.
- 55) Principal Investigator, University of Minnesota Study Center, “Aspirin/Folate Hunter Substudy.” Funding: Dartmouth, (National Institutes of Health Prime). December 2003 – September 2004 (Baron, PI).
- 56) Co-investigator, “Regional Rural Injury Study II: Agricultural Injury Surveillance.” Funding: National Institute for Occupational Safety and Health (R01 OH004270). September 2000 – September 2004. (S. Gerberich, PI.)
- 57) Principal Investigator, “Wright County Colorectal Cancer Screening Project.” Fund: Community Health Fdtn Wright Co, CHF/Allina. November 1999 – June 2004.
- 58) Principal Investigator, “Molecular epidemiology of prostate carcinogenesis.” Funding: National Institutes of Health (R01 CA074103). July 1999 – June 2004. Purpose: this case/control study will identify prostate cancer patients and a control group of healthy adults in order to examine biologic and occupational risk factors for the disease.
- 59) Co-investigator and Senior Statistician, “School-based study on complex environmental exposures and related health effects in children.” Funding: Environmental Protection Agency. November 1998 – 2004. Purpose: to evaluate the effects of school design on exposure to hazardous air pollutants in children measured via personal and area air quality monitoring devices. (K. Sexton, PI).
- 60) Principal Investigator, University of Minnesota Center, “Calcium in the prevention of neoplastic polyps.” Funding: Dartmouth, National Institutes of Health (U01 CA046927). January 1999 – December 2003. Purpose: the major goal of this project was to conduct a randomized double-blind, placebo controlled trial to test the efficacy of calcium in preventing recurrence of neoplastic polyps of the large bowel.

- 61) Principal Investigator, University of Minnesota Center, “Folate, DNA methylation and carcinogenesis in the bowel.” Funding: Dartmouth, National Institutes of Health (R01 CA059005). January 1998 – November 2003. (Bostick, PI)
- 62) Principal Investigator, “Third National Cancer Survey – Skin Cancer Mortality Pilot Study.” Funding: National Cancer Institute, National Institutes of Health (263-MQ-309886-1). April 2003 – October 2003.
- 63) Co-investigator and Senior Statistician, “Health effects of hazardous air pollutants among inner urban school children.” Funding: Environmental Protection Agency (R82-6789-010). October 1998 – June 2003. (I. Greaves, PI.)
- 64) Co-investigator, “A study of risk factors for violence among nurses.” Funding: National Institutes for Health, National Institute for Occupational Safety and Health. May 1998 – April 2003. Purpose: the major goals of this project are to identify the magnitude of work-related assaults and related risk factors through a two-stage effort, including a case-control study. (S. Gerberich, PI.)
- 65) Co-investigator, “Etiology and consequences of injuries among children in farm households.” Funding: National Institutes of Health, National Institute for Occupational Safety and Health (R01 CCR514375). October 1997 – September 2002. Purpose: to enable identification of the etiology and consequences of injuries among children in farm households within a five state region. (S. Gerberich, PI.)
- 66) Principal Investigator, “Lung Screening Study.” Funding: National Cancer Institute. September 1999 – July 2002.
- 67) Principal Investigator, “Colon Cancer Control Study.” A randomized trial to evaluate screening for colorectal cancer. Funding: National Institutes of Health (R01 CA065728). July 1999 – April 2001. Purpose: to test the effectiveness of screening for colorectal cancer using fecal occult blood tests either annually or biannually.
- 68) Co-investigator, “Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial.” Funding: National Institutes of Health (N01-CN25513). September 1998 – July 1999. Purpose: a 19-year collaborative multi-site randomized screening trial to determine if screening for four cancers will result in a significant reduction in cancer-specific mortality. (J. Mandel, PI).
- 69) Co-investigator and Study Director, “Colon Cancer Control Study.” A randomized trial to evaluate screening for colorectal cancer. Funding: National Institutes of Health (R01 CA065728). July 1989 – 1999. Purpose: to test the effectiveness of screening for colorectal cancer using fecal occult blood tests either annually or biannually. (J. Mandel, PI).
- 70) Co-investigator, “Pilot study for etiology and consequences of injuries among children in farm households.” Funding: National Institute for Occupational Safety and Health. May – September 1998. (S. Gerberich, PI).
- 71) Co-investigator and Senior Statistician, “Cancer control in farmers study.” Funding: National Institute for Occupational Safety and Health. May 1991 – May 1994. (J. Mandel, PI).
- 72) Study Director, “Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial.” Funding: National Institutes of Health (N01-CN25513). 09/30/1992 – October 1993. Purpose: a 19-year collaborative multi-site randomized screening trial to determine if screening for four cancers will result in a significant reduction in cancer-specific mortality. (J. Mandel, PI).
- 73) Team Leader and Senior Statistician, “Statistical center for the community programs for clinical research on AIDS.” Funding: National Institute of Allergy and Infectious Diseases. May 1990 – October 1993. (J. Neaton, PI).

- 74) Statistical Consultant, “Genetic heterogeneity of human hair protein study.” Funding: Upjohn. June 1989 – June 1990. (M. Hordinsky, PI).
- 75) Senior Statistician, “Colon Cancer Control Study.” A randomized trial to evaluate screening for colorectal cancer. Funding: National Institutes of Health (R01 CA065728). January 1987 – 1989. Purpose: to test the effectiveness of screening for colorectal cancer using fecal occult blood tests either annually or biannually. (J. Mandel, PI).
- 76) Statistical Consultant, “Formulary evaluation project.” Funding: American Association of Colleges of Pharmacy, College of Pharmacy. July 1979 – July 1980. (T. Cyr, PI).
- 77) Statistician, “Colon Cancer Control Study.” A randomized trial to evaluate screening for colorectal cancer. Funding: National Institutes of Health (R01 CA065728). 1977 – 1980. Purpose: to test the effectiveness of screening for colorectal cancer using fecal occult blood tests either annually or biannually. (V. Gilbertsen, PI).
- 78) Statistician and Data Processing Analyst, “Drug control evaluation project.” Funding: Food and Drug Administration, National Institute on Drug Abuse, Drug Enforcement Administration. July 1974 – January 1976. (A. Wertheimer, PI).

***Internal Grants, Contracts and Awards Obtained***

- 1) Principal Investigator, “PEDAL: Creation of a Parkinson Disease Registry and Initial Studies to Address Its Causes and Genetic Susceptibility.” Funding: MnDRIVE Collaborative Research Award (University of Minnesota). 07/01/2014-06/30/2016. The purpose of the project is to establish a registry to support Parkinson disease research and to study the environmental and lifestyle factors that contribute to risk of the disease.
- 2) Co-Principal Investigator, “William Bernstein Family Cancer Registry.” Funding: Masonic Cancer Center (University of MN). 07/01/2008 – 06/30/2012. The purpose of the Registry is to collect information on the member families to facilitate care and promote research. The ultimate goal is to minimize the burden of familial cancer by reducing the number of cancers and cancer deaths that occur because of familial risk in MN. (Madoff, Co-PI)
- 3) Principal Investigator, “Relating Molecular Markers to Disease Progression and Therapeutic Efficacy in Prostate Cancer: A Pilot Study.” Funding: University of Minnesota Cancer Center, Prevention and Etiology Program. March 2006 – September 2006. Purpose: preliminary research on the association of genetic variants in the androgen receptor genes to the prognosis and treatment success in prostate cancer patients.
- 4) Principal Investigator, “Minnesota Medical Foundation – Wright Co. Colorectal Cancer Screening Project Supplement.” Funding: Minnesota Medical Foundation. March 2001 – February 2002.

## Publications

### Peer-reviewed Manuscripts Published (In Press)

#### Peer-reviewed Manuscripts Published

- 1) Zauber AG, Winawer SJ, O'Brien MJ, Mills GM, Allen JI, Feld AD, Jordan PA, Fleisher M, Orlow I, Meester RGS, Lansdorp-Vogelaar I, Rutter CM, Knudsen AB, Mandelson M, Shaikat A, Mendelsohn RB, Hahn AI, Lobaugh SM, Palmer BS, Serrano V, Kumar JR, Fischer SE, Chen JC, Bayuga-Miller S, Kuk D, O'Connell K, **Church TR**. (2023) "Randomized Trial of Facilitated Adherence to Screening-Colonoscopy Versus Sequential Fecal-Based Blood Test." *Gastroenterology* 2023 2023/03/21/. doi.https://doi.org/10.1053/j.gastro.2023.03.206
- 2) Hudnut AG, Hubbell E, Venn O, **Church TR**. (2023) "Modeled residual current cancer risk after clinical investigation of a positive multi-cancer early detection test result." *Cancer* 2023 Mar 21. doi.10.1002/cncr.34747
- 3) Ramirez MR, Ryan A, Harding AB, Renfro T, **Church TR**, Rosebush C, Trotter AG, Xiong BN, Gonzalez J, Woods-Jaeger B. (2023) "Link for Equity, a community-engaged waitlist randomized controlled trial of a culturally responsive trauma-informed care program for BIPOC students: Design features and characteristics of baseline sample." *Contemporary Clinical Trials* 2023 2023/03/01; 126, 107090. doi.https://doi.org/10.1016/j.cct.2023.107090
- 4) Shaikat A, Lichtenstein DR, Somers SC, Chung DC, Perdue DG, Gopal M, Colucci DR, Phillips SA, Marka NA, **Church TR**, Brugge WR, Thompson R, Chegade R, Loew B, Downing J, Vermillion J, Borges L, Rajbhandari R, Schafer T, Coban S, Richter J, Carolan P, Colizzo F, Jeong T, DelSignore M, Asher S, McCabe R, Van Handel D, Cinnor B, Mitlyng B, Sherman C, Feldshon SD, Lounsbury A, Thompson A, Duggirala A, Davies I, Huang C, Bliss C, Mohanty A, Sina O, Mendez J, Iwan A, Stromberg J, Ng J, Erisson L, Golland P, Wang D, Wlodkowski E, Carlin J, Javia P, Chavali N, Wang A, Little J, Hunsberger C. (2022) "Computer-Aided Detection Improves Adenomas per Colonoscopy for Screening and Surveillance Colonoscopy: A Randomized Trial." *Gastroenterology* 2022; 163(3), 732-741. doi.10.1053/j.gastro.2022.05.028
- 5) Tarr GAM, Morris KJ, Harding AB, Jacobs S, Smith MK, **Church TR**, Berman JD, Rau A, Ashida S, Ramirez MR. (2022) "Cognitive factors influenced physical distancing adherence during the COVID-19 pandemic in a population-specific way." *PLoS ONE* 2022 May 3; 17(5), e0267261. doi.10.1371/journal.pone.0267261
- 6) Ladabaum U, **Church TR**, Feng Z, Ransohoff DF, Schoen RE. (2022) "Counting Advanced Precancerous Lesions as True Positives When Determining Colorectal Cancer Screening Test Specificity." *JNCI: Journal of the National Cancer Institute* 2022. doi.10.1093/jnci/djac027
- 7) Shaikat A, Rex DK, Shyne M, **Church TR**, Perdue DG. (2022) "Adenoma Detection Rates for 45- to 49-Year-Old Screening Population." *Gastroenterology* 2022; 162(3), 957-959.e951. doi.10.1053/j.gastro.2021.09.028
- 8) Shaikat A, Marsh TL, Crockett SD, Syngal S, Bresalier RS, Brenner DE. (2021) "Low Prevalence of Screen-Detected Colorectal Cancer in an Average-Risk Population: The New Normal." *Clinical Gastroenterology and Hepatology* 2021. doi.10.1016/j.cgh.2021.09.013

- 9) Shaukat A, **Church TR**, Mandel JS. (2021) "Guaiac Fecal Occult Blood Test and Reduction in Colorectal Cancer Incidence." *Clinical Gastroenterology and Hepatology* 2021; 19(10), 2217. doi.10.1016/j.cgh.2021.05.008
- 10) Shaukat A, Kaalby L, Baatrup G, Kronborg O, Duval S, Shyne M, Mandel JS, **Church TR**. (2021) "Effects of Screening Compliance on Long-term Reductions in All-Cause and Colorectal Cancer Mortality." *Clinical Gastroenterology and Hepatology* 2021; 19(5), 967-975.e962. doi.10.1016/j.cgh.2020.06.019
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- 15) Wang S, Kim AS, **Church TR**, Perdue DG, Shaukat A. (2020) "Adenomas per colonoscopy and adenomas per positive participant as quality indicators for screening colonoscopy." *Endosc Int Open* 2020 22.10.2020; 08(11), E1560-E1565. doi.10.1055/a-1261-9074
- 16) Prizment AE, Staley C, Onyeaghala GC, Vivek S, Thyagarajan B, Straka RJ, Demmer RT, Knights D, Meyer KA, Shaukat A, Sadowsky MJ, **Church TR**. (2020) "Randomised clinical study: oral aspirin 325 mg daily vs placebo alters gut microbial composition and bacterial taxa associated with colorectal cancer risk." *Alimentary Pharmacology & Therapeutics* 2020; n/a(n/a). doi.10.1111/apt.16013
- 17) Fontham ETH, Wolf AMD, **Church TR**, Etzioni R, Flowers CR, Herzig A, Guerra CE, Oeffinger KC, Shih Y-CT, Walter LC, Kim JJ, Andrews KS, DeSantis CE, Fedewa SA, Manassaram-Baptiste D, Saslow D, Wender RC, Smith RA. (2020) "Cervical cancer screening for individuals at average risk: 2020 guideline update from the American Cancer Society." *Ca: a Cancer Journal for Clinicians* 2020; n/a(n/a). doi.10.3322/caac.21628
- 18) Baidwan NK, Gerberich SG, Kim H, Ryan AD, **Church T**, Capistrant B. (2020) "A marginal structural model approach to analyse work-related injuries: an example using data from the health and retirement study." *Injury Prevention* 2020 Jun; 26(3), 248-253. (\*Professor Church was a member of Dr. Baidwan's dissertation committee) doi.10.1136/injuryprev-2018-043124



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- 26) Shaukat A, Gravely AA, Kim AS, Rank J, **Church TR**, Allen JI. (2019) "Rates of Detection of Adenoma, Sessile Serrated Adenoma, and Advanced Adenoma Are Stable Over Time and Modifiable." *Gastroenterology* 2019 Feb; 156(3), 816-817. doi.10.1053/j.gastro.2018.10.052
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### **Peer-reviewed Book Chapters Published**

- 1) **Church TR**, Mandel JS. (2011) “Screening for gastrointestinal cancers.” In DeVita, Jr. VT, Lawrence TS, Rosenberg SA, eds. *Cancer: Principles and Practice of Oncology*, 9th Ed. Philadelphia: Lippincott Williams & Wilkins; 2011:596-602.
- 2) **Church TR**, Mandel JS. (2008) “Cancer screening: gastrointestinal cancers.” In *Cancer: Principles & Practices of Oncology*, 8<sup>th</sup> Ed., Chapter 33, Section 2. DeVita, Jr. VT, Lawrence TS, Rosenberg SA, editors; Lippincott Williams & Wilkins, Baltimore, MD.
- 3) **Church TR**. (2000) “Statistical methods for risk stratification studies.” In *Risk of Arrhythmia and Sudden Death*. Malik M, editor; BMJ Books, London.
- 4) DeGroot PJ, **Church TR**, Mehra R. (1997) “Defibrillator implant criteria based on probability of successful defibrillation.” In *Atrial and Ventricular Fibrillation: Mechanisms and Device Therapy*. Alessie MA, Fromer M, editors; Futura Publishing Co., Armonk NY.
- 5) **Church T**, Mandel J, Bond J, Ederer F, Snover D, Bradley GM, Williams S, Schuman L. (1991) “Colon Cancer Control Study: Status and issues.” In *Cancer Screening*. Miller AB, Chamberlain J, Day NE, Hakama M, Prorok PC, editors; U.I.C.C. Monograph, Cambridge University Press.
- 6) **Church TR**, Beck RJ. (1985) “RJB Forms: A data entry system/schema generator for SIR.” *Proceeding of the SIR Users Group (USIR)*, October 20 – 23, Chicago, Illinois.

### **Selected Oral Presentations (\* = invited)**

- 1) \***Church TR**. (2017) “Colorectal Cancer: A (Mostly) Successful Case Study” Presented to the American Association for the Advancement of Science 2017 Annual Meeting, February 19, Boston, MA.
- 2) \***Church TR**. (2016) “Blood-based screening tests for colorectal cancer: Where are we and where are we going?” Presented to the World Endoscopy Organization Annual Meeting, May 20, 2016, San Diego, CA.
- 3) \***Church TR**. (2015) “Evidence: Colorectal Cancer Screening” Presented at the symposium, Precision Cancer Screening in the General Population: Evidence, Epidemiology, and Next Steps, September 29, 2015, Rockville, MD.
- 4) **Church TR**. (2014) “Prediction is distinct from causal inference: common confusions about regression and prediction.” Presented at the International Biometric Conference, July 15, 2014, Florence, Italy.
- 5) \***Church TR**. (2013) “Statistical Applications to Screening and Prevention at the University of Minnesota.” Presented to the Joint Meeting of the American Statistical Association Delegation to Cuba and the Centro de Estudios Demográficos, Universidad de La Habana, Havana, Cuba, May 20, 2013.
- 6) \***Church TR**. (2013) “Lung cancer screening.” Presented at the Thoracic Oncology Treatment Planning Conference, April 23, 2013, Minneapolis, MN.

- 7) Shaukat A, **Church TR.** (2013) “Targeting individuals at risk for screening colonoscopy: Model of adenoma risk for colonoscopy screening.” Presented at the Polyp Prevention Study Group annual meeting, April 18, 2013, San Juan, Puerto Rico.
- 8) **Church TR.** (2012) “A recurrence-time model to estimate preclinical incidence, preclinical duration, and survival under periodic screening accounting for length-bias.” Presented at the 2012 International Biometric Conference, August 31, 2012, Kobe, Japan.
- 9) \***Church TR.** (2012) “Selecting endpoints for cancer screening trials.” Presented at the Bladder Cancer Think Tank Meeting, August 10, 2012, Stowe, Vermont.
- 10) \***Berg C, Church TR.** (2012) “Designs for bladder cancer screening trials.” Presented at the Bladder Cancer Think Tank Meeting, August 10, 2012, Stowe, Vermont.
- 11) \***Church TR.** (2012) “Spiral CT screening for lung cancer in smokers: Ready for prime time?” Presented at the Minnesota Department of Health, May 14, 2012, St. Paul, MN.
- 12) \***Church TR.** (2012) “Statistical methods for identifying biomarkers to reduce disappointment in the validation.” Presented at the GTC Biomarker Summit, 6<sup>th</sup> Biomarker Development Conference, March 15, 2012, San Diego, CA.
- 13) Oancea SC, **Church TR.** (2011) “Extending recurrence-time models of periodic screening to accommodate time-varying incidence and sensitivity.” Presented at the Joint Statistical Meetings, July 31, 2011, Miami Beach, FL.
- 14) \***Church TR.** (2011) “Methylated SEPT9 gene in plasma as a marker for early detection of colorectal cancer.” Presented at the Oncology Biomarkers Conference, January 27, 2011, San Diego, California.
- 15) \***Church TR.** (2011) “Disparities in colorectal cancer.” Presented at the Health Disparities Retreat, Masonic Cancer Center, University of Minnesota, January 6, 2011, Minneapolis, Minnesota.
- 16) Oancea SC, **Church TR.** (2010) “Extending recurrence-time models of periodic screening to accommodate time-varying incidence and sensitivity.” Presented at the International Biometric Conference, December 10, 2010, Florianopolis, Santa Catarina, Brazil.
- 17) \***Church TR.** (2010) “Pros and cons of prostate cancer screening: What is too much?” Presented for a Cancer Prevention and Control Seminar, Masonic Cancer Center, University of Minnesota, November 12, 2010, Minneapolis, Minnesota.
- 18) \***Church TR.** (2010) “PSA screening for prostate cancer: Lessons from recent research.” Presented at the Masonic Symposium: What’s New in Prostate Cancer, November 11, 2010, Masonic Homes, Bloomington, Minnesota.
- 19) **Church TR.** (2010) “Prospective clinical validation of an assay for methylated SEPT9 DNA in human plasma as a colorectal cancer screening tool in average risk men and women 50 years and older.” Presented at the Prospective Evaluation of SEPT9 Performance for Colorectal Cancer Screening (PRESEPT) Study Investigator Meeting, May 15, 2010, Herndon, Virginia.
- 20) \***Church TR.** (2010) “Prospective clinical validation of an assay for methylated SEPT9 DNA in human plasma as a colorectal cancer screening tool in average risk men and women 50 years and older.” Presented at the annual Digestive Disease Week Conference, May 4, 2010, New Orleans, Louisiana.
- 21) \***Church TR.** (2010) “The best of cancer epidemiology, biomarkers and prevention.” Presented at the 34<sup>th</sup> Annual Meeting of the American Society of Preventive Oncology, March 22, 2010, Bethesda, Maryland.

- 22) \***Church TR.** (2009) “Cancer screening: Prostate-specific antigen (PSA).” Presented at the University of Minnesota Masonic Cancer Center’s Fall Retreat, October 30, 2009, Landscape Arboretum, Chaska, Minnesota.
- 23) \***Church TR.** (2009) “PSA: Issues in screening and diagnosis.” Presented at Cancer U “Ask the Expert” Fall Series sponsored by the Masonic Cancer Center, University of Minnesota, October 29, 2009, Minneapolis, Minnesota.
- 24) \***Church TR.** (2009) “Meta analysis of FOBT trials.” Presented at the Cancer Intervention and Surveillance Modeling Network (CISNET), 2009 Mid-Year Meeting, June 25, 2009, Bilderberg Park Hotel, Rotterdam, The Netherlands.
- 25) \***Church TR.** (2009) “Analytical assessment of baseline negative flex sigs in the Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening Trial.” Presented at the CISNET 2009 Mid-Year Meeting, June 25, 2009, Bilderberg Park Hotel, Rotterdam, The Netherlands.
- 26) \***Church TR.** (2009) “Using smoking and lung cancer as a model for gene-environment interactions.” Presented at the Cancer Epidemiology Interest Group Seminar Series, February 20, 2009, University of Minnesota, Minneapolis.
- 27) **Church TR.** (2008) “Adjusting for non-compliance in a meta-analyses of clinical trials using pooled individual data.” Presented at the XXIV<sup>th</sup> International Biometric Conference, July 15, 2008, Dublin, Ireland.
- 28) **Church TR.** (2008) “Ascertainment bias from early detection in epidemiologic studies of occupational health.” Presented at the Scientific Committee on Epidemiology in Occupational Health (EPICOH) Conference, June 9 – 13, 2008, San Jose, Costa Rica.
- 29) \***Church TR.** (2008) “Evaluating new screening tests: Trial design issues.” Presented at the World Organisation of Digestive Endoscopy (OMED) Colorectal Cancer Screening Committee Meeting (in conjunction with Digestive Disease Week), May 17, 2008, San Diego, California.
- 30) \***Church TR.** (2008) “Effect of removing polyps on colorectal cancer incidence.” Presented at the University of Alabama, Comprehensive Cancer Center, Cancer Control and Population Sciences Program, May 16, 2008, Birmingham, Alabama.
- 31) **Church TR.** Anderson KE, Caporaso NE, Geisser MS, Le C, Zhang Y, Benoit AR, Carmella SG, Hecht SA. (2008) “Total NNAL, a serum biomarker of exposure to a tobacco-specific carcinogen, is related to lung cancer in smokers.” Presented at the Annual Meeting of the American Association for Cancer Research, April 12 – 16, 2008, San Diego, California.
- 32) \***Church TR.** (2008) “Recent trends in cancer incidence and mortality.” Presented at the Marching Toward Cancer Prevention Workshop, Mayo Clinic, March 27, 2008, Rochester, Minnesota.
- 33) Pinder E, Gerberich SG, Alexander BH, **Church TR**, Hansen J-I, Ryan AD. (2008) “Teacher burnout and its sources: The risk of physical assault.” Presented at the Work, Stress and Health Conference, March 6 – 8, 2008, Washington D.C.
- 34) Alexander BH, **Church TR**, Reding DJ. “Farming exposure and early-onset prostate cancer.” Presented at the 19<sup>th</sup> Symposium of Epidemiology in Occupational Health, EPICOH, October 10 – 12, 2007, Banff, Alberta, Canada.
- 35) \***Church TR.** (2007) “The reason for research: Why is there controversy, and how should we interpret what we hear about cancer?” Presented at the University of Minnesota Cancer Center’s Opinion Leaders Breakfast, September 25, 2007, Minneapolis, Minnesota.

- 36) **Church TR**, Mongin SJ. (2007) “Use of non-compliance adjustments to estimate subgroup effects.” Presented at the Society for Clinical Trials Annual Meeting, May 20 – 23, 2007, Montreal, Canada.
- 37) \***Church TR**. (2007) “Decreasing cancer mortality.” Presented at the Cancer U “Ask the Expert” Spring Series sponsored by the University of Minnesota Cancer Center, April 19 and 21, 2007, Minneapolis, Minnesota.
- 38) **Church TR**. (2006) “PLCO collaboration.” Contributed paper presented at the Colorectal Cancer CISNET meeting, November 6 – 9, 2006, Bethesda, Maryland.
- 39) \***Church TR**. (2006) “Strengths and weaknesses of a megatrial.” Presented at the Joint Statistical Meetings, August 6 – 8, 2006, Seattle, Washington.
- 40) **Church TR**. (2006) “Screening bias in observational studies of behavioral risk factors and cancer.” Contributed paper presented at the 2<sup>nd</sup> North American Congress of Epidemiology, June 21 – 24, 2006, Seattle, Washington.
- 41) Gerberich SG, Nachreiner NM, Ryan AD, **Church TR**, McGovern PM, Geisser MS, Watt GD, Fedak DM, Pinder E, Sage SK. (2006) “Violence against teachers: Population study of magnitude and etiology.” Contributed paper presented at 2<sup>nd</sup> North American Congress of Epidemiology, June 21 – 24, 2006, Seattle, Washington.
- 42) \***Church TR**. (2006) “Lung cancer.” Presented at the Clinical Update, Minnesota Cancer Summit, April 25, 2006, Brooklyn Center, Minnesota.
- 43) \***Church TR**. (2006). “A censored multinomial model for binary, longitudinal survey data with missing values.” Presented at the International Biometric Society Annual Meeting, Eastern North American Region, March 26 – 29, 2006, Tampa, Florida.
- 44) \***Church TR**. (2005) “Issues in CISNET modeling.” Presented at the Cancer Intervention and Surveillance Modeling Network Meetings, December 13 – 16, 2005, Rockville, Maryland.
- 45) \***Church TR**. (2005) “Effect of polyp removal in the Minnesota Study.” Presented at the Polyp Prevention Study Group Meeting, November 8 – 11, 2005, Chicago, Illinois.
- 46) \***Church TR**. (2005) “Screening for lung cancer.” Presented at the Cancer U “Ask the Expert” Fall Series sponsored by the University of Minnesota Cancer Center, November 12, 2005, Minneapolis, Minnesota.
- 47) **Church TR**. (2005) “Bias from variability in diagnostic delay.” Presented at the session on Methodological Issues in Studies Involving Cancer Screening, Eastern North America Region, International Biometric Society Meetings, March 22, 2005, Austin, Texas.
- 48) \***Church TR**. (2005) “Lung cancer prevention: Beyond tobacco cessation.” Presented at the Cancer Prevention and Clinical Practice Workshop, March 4, 2005, Mayo Clinic, Rochester, Minnesota.
- 49) \***Church TR**. (2005) “Counterfactual reasoning to illuminate solutions for causal inference.” Presented at the Environmental Health Sciences Seminar, University of Minnesota, January 21, 2005, Minneapolis, Minnesota.
- 50) **Church TR**. (2004) “Quantifying the bias due to variability in earliness of diagnosis for studies of behavioral risk factors in prostate cancer.” Presented at the American Association for Cancer Research 3<sup>rd</sup> Annual International Conference on Frontiers in Cancer Prevention Research, October 16 – 20, 2004, Seattle, Washington.

- 51) \***Church TR.** (2004) “Measuring carcinogen metabolite levels in long-term smokers and estimating the risk of lung cancer.” Presented at the PLCO/National Lung Screening Trial (NLST) Annual Steering Committee Meetings, September 19 – 23, 2004, Santa Fe, New Mexico.
- 52) \***Church TR.** (2004) “The effect of removing polyps on colorectal cancer incidence.” Presented at a special seminar, University of Minnesota Cancer Center, July 27, 2004, Minneapolis, Minnesota.
- 53) \***Church TR.** (2004) “Advances in cancer screening.” Presented at the Cancer U “Ask the Expert” Series sponsored by the University of Minnesota Comprehensive Cancer Center, April 17, 2004, Minneapolis, Minnesota.
- 54) **Church TR, Mongin SJ.** (2003) “Weighting methods to adjust for non-response to epidemiologic surveys in the presence of unknown eligibility.” Presented at the Joint Statistical Meetings, August 5, 2003, San Francisco, California.
- 55) **Church TR, Mandel JS, Bond JH, Ederer F.** (2003) “Colorectal cancer incidence reduction due to polyp removal: Results from the Minnesota Trial.” Presented at the Digestive Disease Week Conference, May 20, 2003, Orlando, Florida.
- 56) \***Church TR, Bailey JJ, Hodges M, Mongin SJ.** (2002) “Risk stratification applied to the CAST [NB: Cardiac Arrhythmia Suppression Trial] Registry Data: Combining predictors.” Presented at the Epidemiology Seminar, University of Minnesota School of Public Health, October 18, 2002, Minneapolis, Minnesota.
- 57) \***Church TR.** (2002) “Can screening prevent cancer?” Presented at the Mayo Clinic Epidemiology & Biostatistics Seminar, June 24, 2002, Mayo Clinic, Rochester, Minnesota.
- 58) **Church TR, Bailey JJ, Hodges M, Mongin SJ.** (2002) “Risk stratification applied to the CAST Registry Data: Combining nine predictors.” Presented at the International Society for Computerized Electrocardiography, April 22, 2002, Doorwerth, Netherlands.
- 59) \***Church TR.** (2002) “Colorectal cancer screening research in Minnesota.” Presented at the Minnesota Colorectal Cancer Summit, March 7, 2002, University of Minnesota Cancer Center, Minneapolis, Minnesota.
- 60) \***Church TR.** (2002) “Surveillance methods for colorectal cancer screening in Minnesota.” Presented at the Minnesota Colorectal Cancer Summit, March 7, 2002, University of Minnesota Cancer Center, Minneapolis, Minnesota.
- 61) \***Church TR.** (2001) “Colorectal cancer: Who gets it, how do you find it, and how do you prevent it?” Cancer Control Section Meeting, Minnesota Department of Health, March 5, 2001, Minneapolis, Minnesota.
- 62) \***Church TR.** (2000) “Colorectal cancer screening and the Wright County Project.” Presented at the Wright County Pharmacists Association Continuing Education Conference, September 13, 2000, Buffalo, Minnesota.
- 63) \***Church TR.** (2000) “Making it work: Experience as a consulting statistician in the academic environment.” Presented at the Joint Statistical Meetings, August 13, 2000, Indianapolis, IN.
- 64) **Church TR.** (1999) “Use of recurrence-time models to evaluate bias in observational studies of screening.” Presented at the Joint Statistical Meetings, August 12, 1999, Baltimore, Maryland.
- 65) **Church TR.** (1999) “Lead-time-associated case-ascertainment bias in observational studies of screening.” Presented at the Society for Epidemiologic Research, June 10, 1999, Baltimore, Maryland.

- 66) \***Church TR.** (1999) “A novel form of ascertainment bias in case-control studies of cancer screening.” Presented at the National Cancer Institute Seminar, May 5, 1999, Rockville, Maryland.
- 67) \***Church TR.** (1999) “A novel form of ascertainment bias in case-control studies of cancer screening.” Presented at the University of Minnesota School of Public Health Division of Epidemiology Seminar, April 7, 1999, Minneapolis, Minnesota.
- 68) \*Mandel J, **Church TR** (presenter), Ederer F. (1998) “Effects of biennial screening on 18-year colorectal cancer mortality: The Minnesota Trial.” Presented at the 4th International Symposium on Predictive Oncology & Therapy, October 25, 1998, Nice, France.
- 69) \***Church TR,** (1997) “Colorectal cancer: Who gets it and how do you find it?” Colorectal Cancer Lecture and Screening Event, September 10, 1997, Hoag Cancer Center, Newport Beach, California, USA.
- 70) \***Church TR.** (1997) “A biostatistician’s view of risk assessment and risk stratification.” Presented at the 4th Interlaken Symposium on Electrophysiology, February 17, 1997, Interlaken, Switzerland.
- 71) Kavaney D, **Church T,** Gabler B, Sakun V. (1995) “Implant success using the first transvenous lead configuration in a biphasic implantable cardioverter/defibrillator (ICD).” Presented at the X World Symposium on Cardiac Pacing and Electrophysiology, October 22 – 26, 1995, Buenos Aires, Argentina.
- 72) Gabler B, Kavaney D, Sakun V, **Church T.** (1995) “Worldwide Clinical Experience with a New Biphasic Implantable Cardioverter/Defibrillator.” Presented at the X World Symposium on Cardiac Pacing and Electrophysiology, October 22 – 26, 1995, Buenos Aires, Argentina.
- 73) \***Church T.** (1995) “Designing Clinical Studies: How to Get Real Answers to Important Questions.” Medtronic Worldwide Regulatory Affairs/Quality Meeting, September 1995, Minneapolis, MN.\***Church T.** (1994) “Be sensitive, be specific: Test performance in screening studies.” Presented at the Joint Statistical Meetings, August 12, 1994, Toronto, Canada.
- 74) **Church T,** Mah J. (1994) “Adjustment of relative hazard estimates after group sequential analysis.” Presented at the Joint Statistical Meetings, August 13, 1994, Toronto, Canada.
- 75) \***Church T.** (1994) “Intention-to-treat in Randomized Clinical Trials.” Medtronic Worldwide Research Conference, August 2-4, 1994, Minneapolis, MN.
- 76) Saravolatz L, Winslow DL, Stein D, Dehlinger M, Collins G, **Church T,** Deyton L. (1993) The Community Program for Clinical Research on AIDS (CPCRA): Design and Implementation of a Community Based Trial for the Comparison of Combination of ZDV with ddC or ddI to ZDV Monotherapy. First National Conference on Human Retroviruses and Related Infections, Washington, DC. December 12-16, 1993.
- 77) **Church T,** Horsburgh R, Brelje T, Cohn D, Gilbert C. (1993) “Effects of disseminated Mycobacterium Avium-complex and its treatment on survival of AIDS patients: An observational study.” Presented at the IX International Conference on AIDS, June 8, 1993, Berlin, Germany.
- 78) **Church TR,** Mandel JS, Ederer F. (1993) “Interim analysis methods in the Colon Cancer Control Study.” Presented at the Society for Clinical Trials 12th Annual Meeting, May 24, 1993, Orlando, Florida.
- 79) **Church TR,** Geisser MS, Hoffbeck RW. (1992) “Estimating sensitivity, specificity and prevalence from clinical trials of multiple screening tests.” Presented at the Society for Clinical Trials 11th Annual Meeting, May 10 – 13, 1992, Philadelphia, Pennsylvania.



- 80) \***Church T.** (1991) "Intention to treat analyses." Presented at the Community Program for Clinical Research on AIDS Group Meeting, January 23 – 26, 1991, Washington, D.C.
- 81) \***Church TR.** (1990) "Colon Cancer Control Study: Status and issues." Presented at the UICC Meeting on Screening for Cancer, April 2-5, 1990, Cambridge, UK.
- 82) **Church T,** Watt G, Geisser M, Mandel J, Bond J, Bradley M, Snover D, Williams S, Ederer F. (1989) "Estimation of time to complete prevention trials when data are monitored." Presented at the Society for Clinical Trials 10th Annual Meeting, May 15 – 18, 1989, Minneapolis, Minnesota.
- 83) \***Church T,** Martinson M, Kallok M, Watson W. (1988) "A statistical model to predict chances of defibrillation from a test procedure." Presented at the Cardiostim '88, June 16, 1988, Monaco.
- 84) **Church T,** Martinson M, Rueter, J, Watson W, Lathrop T. (1987) "A multicenter clinical trial of unipolar steroid-eluting electrodes." Presented at the World Symposium on Cardiac Pacing, July 4 – 6, 1987, Jerusalem, Israel.
- 85) \***Church TR,** Beck RJ. (1985) "RJB Forms: A Data Entry System/Schema Generator for SIR." Presented at the SIR Users Group (USIR), October 20 – 23, 1985, Chicago, Illinois.
- 86) \***Church T,** Hurd P, Johnson CA, Stergachis A. (1977) "Two assessment instruments for the person-orientation construct: Preliminary findings." Presented at the Annual Meeting of the American Association of Colleges of Pharmacy, August 8 – 12, 1977, Minneapolis, Minnesota.
- 87) **Church T,** Dobbert D, Prietula M. (1976) "Development of a computer-based curriculum management system for a pharmacy curriculum." Presented at the Annual Meeting of the American Association of Colleges of Pharmacy, July 18 – 22, 1976, Minneapolis, Minnesota.
- 88) \***Church T.** (1975) "Drug control evaluation." Presented at the Midwestern Pharmacy Administration Conference, August 26 – 27, 1975, Minneapolis, Minnesota.

### **Peer-reviewed Abstracts Published**

- 1) Prizment A, **Church TR,** Hatsukami D, Madoff R, Staley C, Straka RJ, Iwan A, Stromberg J, Wen YF, Stibbe C, Rahne M. (2020) "Pilot trial to examine the effect of ginger on the gut microbiome: The Minnesota Cancer Clinical Trials Network." *Cancer Epidemiology Biomarkers & Prevention* 2020 Sep; 29(9), 45-46.
- 2) Shaukat A, **Church TR.** (2020) "CRC Screening Reduces Long-Term All-Cause and CRC-Specific Mortality: Results From The Pooled FOBT Trials." *Gastroenterology* 2020 May; 158(6), S219-S220.
- 3) Chinedu GC, Staley CM, Demmer RT, Aasma S, **Church TR,** Prizment AE. (2020) "Effects of aspirin intervention on health and disease-associated oral bacterial taxa." *Cancer Research* 2020 Apr; 80(8), 33-33.
- 4) Prizment AE, Menk J, Staley C, Vivek S, Onyeaghala G, Thyagarajan B, Demmer R, Knights D, Meyer K, Shaukat A, Khorutz A, Sadowsky MJ, Straka RJ, **Church T.** (2019) "Effect of aspirin on gut microbiome in a pilot randomized double-blind trial." *Cancer Research* 2019 Jul; 79(13). doi.10.1158/1538-7445.sabcs18-5060
- 5) Shaukat A, Shamsi n, Menk J, **Church TR,** Rank JM, Colton J. (2018) "A polyp sizing guide improves accuracy of polyp measurement and adenoma detection rates (SA1026)." *Gastrointestinal Endoscopy* 2018 2018/06/01/; 87(6, Supplement), AB149. doi.https://doi.org/10.1016/j.gie.2018.04.1377

- 6) Meester RG, Lansdorp-Vogelaar I, Feld AD, Corley D, Doubeni CA, Jordan PA, **Church TR**, O'Brien MJ, Mills G, Winawer SJ, Zauber AG. (2016) "Mo1689 Long-Term Colorectal Cancer Incidence and Mortality for a Single Colonoscopy Versus Annual FOBT Is Influenced by Adherence; A Microsimulation Model Based on Observed National Colonoscopy Study Data." *Gastroenterology* 2016 2016/04/01/; 150(4, Supplement 1), S751-S752. doi.https://doi.org/10.1016/S0016-5085(16)32554-9
- 7) Wei C, Gerberich SG, Ryan AD, Alexander BH, **Church TR**, Manser M. (2014, November 17, 2014). Occupational Injury among Urban Transit Bus Drivers: Unintentional Injury Incidence and Risk Factors. Paper presented at the 142nd APHA Annual Meeting and Exposition, New Orleans, LA.
- 8) Baron JA, Barry EL, Ahnen DJ, Burke CA, Bostick RM, Bresalier RS, **Church TR**, Cruz-Correa M, Goodman M, Haile R, Ivanova A, Rothstein RI, Sandler RS, Snover D, Summers RW. (2014) "A clinical trial of supplementation with vitamin D and/or calcium for the prevention of colorectal adenomas." *Cancer Research* 2014 Oct; 74(19). doi.10.1158/1538-7445.am2014-ct335
- 9) Shaukat A, Mongin S, **Church T**, Kim A, Rank J, Allen J. (2013) "Variability In Adenoma Detection Rate and Withdrawal Time, and Effect of Performance Improvement Interventions Over Time." *American Journal of Gastroenterology* 2013 Oct; 108, S179-S179. (Professor Church was Dr. Shaukat's primary mentor under a VA career development award)
- 10) Shaukat, A, Mongin S, **Church T**, Kim A, Rank J, Allen J. (2013) "Variability In Adenoma Detection Rate and Withdrawal Time, and Effect of Performance Improvement Interventions Over Time." *American Journal of Gastroenterology* 2013 Oct; 108, S179-S179.
- 11) Laiyemo AO, Izmirlian G, Schoen RE, Pinsky P, Doubeni CA, Weissfeld J, Bresalier RS, **Church TR**, Prorok PC. The Effect of Screening on Racial Disparity in Colorectal Cancer Incidence and Mortality. *Gastroenterology* 2013;144:S19-S19.
- 12) Shaukat A, Mongin S, **Church T**, Kim A, Rank J, Allen J. Variability In Adenoma Detection Rate and Withdrawal Time, and Effect of Performance Improvement Interventions Over Time. *American Journal of Gastroenterology* 2013;108:S179-S179.
- 13) Drucker C, Gerberich SG, Alexander BH, Manser MP, **Church TR**, Ryan AD. "Risk factors for motor vehicle crashes involving civilian drivers and emergency vehicles in use." *Injury Prevention*, 2012 18(1):206.
- 14) Jammula A, Winawer SJ, Mills GM, **Church TR**, Feld AD, Fleisher M, Allen JI, Jordan PA, O'Brien MJ, Kauff ND, Orlow I, Close G, Ruckel JM, Bayuga-Miller S, Morgan G, Kuk D, van Hees F, Lansdorp-Vogelaar I, van Ballegooijen M, Zauber AG. "Adherence to programmatic annual fecal occult blood test (gFOBT) versus screening colonoscopy in African Americans compared to whites with equal access and navigation: Observations from National Colonoscopy Study (NCS)." *Gastroenterology*, Volume: 142, Issue: 5, Supplement: 1, Pages: S213-S213, May 2012
- 15) Schoen RE, Pinsky P, Weissfeld J, Yokochi LA, **Church TR**, Laiyemo AO, Bresalier RS, Riley TL, Prorok PC, Berg C. "Effect of flexible sigmoidoscopy screening on incidence and mortality from colorectal cancer in the PLCO Screening Trial." *Gastroenterology*, Volume: 142, Issue: 5, Supplement: 1, Pages: S115-S115, May 2012.

- 16) Zauber AG, Winawer SJ, Mills GM, **Church TR**, Feld AD, Allen JI, Jordan PA, O'Brien MJ, Kauff ND, Orlow I, Jammula A, Close G, Ruckel JM, Bayuga-Miller S, Morgan G, Kuk D, van Hees F, Lansdorp-Vogelaar I, van Ballegooijen M, Fleisher M. "Adherence to screening in a randomized controlled trial of a one-time screening colonoscopy versus program of annual fecal occult blood test (gFOBt): Implications of lower gFOBt adherence to screening on colorectal cancer mortality reduction." *Gastroenterology*, Volume: 142, Issue: 5, Supplement: 1, Pages: S82-S83, May 2012.
- 17) Gerberich SG, Alexander BH, Ryan AD, Renier CM, **Church TR**, et al. "Short- and long-term lost work time and household income changes associated with work-related injuries among children on agricultural operations: regional rural injury study III." *American Journal Of Epidemiology*, Volume: 173, Supplement: 11, Pages: S232-S232, Jun 1 2011.
- 18) Oancea SC, **Church TR**. "Extending recurrence-time models of periodic screening to accommodate time-varying incidence and sensitivity." *American Journal Of Epidemiology*, Volume: 173, Supplement: 11, Pages: S276-S276, Jun 1 2011.
- 19) Zauber AG, **Church TR**, Mills G, et al. "Detection of proximal adenomas by colonoscopy following flexible sigmoidoscopy depends on the colonoscopy referral algorithm: Analysis of the UK Flexible Sigmoidoscopy Study algorithm applied to the US National Colonoscopy Study Source." *Gastroenterology*, Volume: 140, Issue: 5, Supplement: 1, Pages: S16-S16, May 2011.
- 20) Shaukat A, Grau MV, **Church TR**, et al. "Serum salicylate levels and risk of recurrent colorectal adenomas." *Cancer Epidemiology Biomarkers & Prevention*, Volume: 20, Issue: 4, Pages: 679-682, Apr 2011.
- 21) Ghebre R, Kulasingam SL, Allen SS, **Church TR**. "Pilot study of mail-based cervical cancer screening with home self-collected human Papillomavirus tests." *Journal of Womens Health*, Volume: 19, Issue: 10, Pages: 1784-1784, Oct 2010.
- 22) Alexander BH, Gerberich SG, Ryan AD, Renier CM, **Church TR**, Masten A, McGovern PM, Mongin SJ. "Short-and long-term consequences of agricultural injuries among children/youth and impact on agricultural operations: A case-control study." *Injury Prevention*, Volume: 16, Pages: A172-A172, Supplement: Suppl. 1, Meeting Abstract: 0616, Sep 2010.
- 23) Nachreiner NM, Gerberich SG, Ryan AD, Erkal S, **Church TR**, McGovern PM, Mongin SJ, Fedra DM. "Work-related assault against educators with a history of violence victimization." *Injury Prevention*, Volume: 16, Pages: A174-A174, Supplement: Suppl. 1, Meeting Abstract: 0621, Sep 2010.
- 24) Gerberich SG, Nachreiner NM, Ryan AD, **Church TR**, Mongin SJ, McGovern PM, Geisser MS, Watt GD, Fedra DM, Sage SK, Finder E. "Occupational violence in the schools: a case-control study of physical assault against educators." *Injury Prevention*, Volume: 16, Pages: A177-A178, Supplement: Suppl. 1, Meeting Abstract: 0634, Sep 2010.
- 25) **Church TR**, Wandell M, Lofton-Day C, Mongin S, Blumenstein BA, Allen JI, Roesch T, Snover D, Day R, Ransohoff DF. "Prospective clinical validation of an assay for methylated SEPT9 DNA in human plasma as a colorectal cancer screening tool in average risk men and women  $\geq$  50 Years." *Gastroenterology*, Volume: 139, Issue: 1, Pages: E18-E18, Jul 2010.

- 26) Gerberich SG, Nachreiner NM, Ryan AD, **Church TR**, Mongin SJ, McGovern PM, Geisser MS, Watt GD, Fedra DM, Sage SK. "A case-control study of occupational physical violence in the schools." *American Journal of Epidemiology*, Volume: 171, Pages: S88-S88, Supplement: Suppl. 11, Jun 1 2010.
- 27) Crawford ED, Izmirlian G, Grubb RL 3rd, Kramer BS, **Church TR**, Black A, Riley TM, Hickey T, Ragard L, Prorok PC, Berg CD, Andriole GL. 573 FACTORS INFLUENCING PROSTATE CANCER MORTALITY IN THE PLCO TRIAL. *The Journal of Urology* 2010 April;183:e224-e225.
- 28) Zauber A, Winawer S, **Church T**, Allen J, Mandelson M, Feld A, Mills G, Jordan P, Ruckel J, and O'Brien M. "Preference for colonoscopy in a program of annual fecal occult blood testing." *American Journal of Gastroenterology*, 2010. 105: p. S566-S567.
- 29) Gerberich SG, Nachreiner NM, Ryan AD, Erkal S, **Church TR**, Mongin SJ, Geisser MS, Watt GD, Fedra DM, Sage SK. (2009) "Risk of work-related assault on educators with violence histories." Presented at the Society of Epidemiologic Research, 42<sup>nd</sup> Annual Meeting, Anaheim, California, June 23 – 26, 2009. *American Journal of Epidemiology*, 169(11):S107 – S107, Suppl. S, abstract 428.
- 30) Shaukat A, Oancea C, **Church TR**, Allen JI. (2009) "Variability in Detection of Adenoma and Polyps During Screening Colonoscopy, and Change Over Time with Education and Feedback." *Gastrointestinal Endoscopy* 2009 Apr; 69(5), AB221-AB222. (Professor Church was Dr. Shaukat's primary mentor under a VA career development award)
- 31) Schoen RE, Weissfeld J, Laiyemo AO, Doria-Rose VP, Bresalier RS, **Church TR**, Yokochi L, O'Brien B, Pinsky P. "Comparison of the yield of flexible sigmoidoscopy (FSG) at 3 vs. 5 years after a negative exam." *Gastroenterology*, Volume: 136, Issue: 5, Pages: A97-A97, Supplement: Suppl. 1, May 2009.
- 32) Sakoda LC, Hayes RB, Huang W-Y, Peters U, Kirsh VA, Chatterjee N, Leitzmann M, Andriole GL, Grubb RL 3rd, Sutcliffe S, **Church TR**, Chia D, Hsing AW. (2009) "A prospective study of aspirin and ibuprofen use in relation to prostate cancer risk." Presented at Annual Meeting of the American Urological Association, Chicago, Illinois, April 25 – 30, 2009. *Journal of Urology*, 181(4):167 – 167, abstract 465.
- 33) Shaukat A, Grau M, **Church T**, Baxter G, Baron J. (2009) "Are Serum Salicylate Levels Associated with Risk of Colorectal Adenomas?". *American Journal of Gastroenterology* 2009 Oct; 104, S572-S572. (Professor Church was Dr. Shaukat's primary mentor under a VA career development award)
- 34) Grubb RL 3rd, Black A, **Church TR**, Hickey T, Izmirlian G, Riley T, Prorok PC, Berg CD, Crawford ED, Andriole Jr. GL. (2009) "Effect of obesity at age 20 and 50 on development of prostate cancer in the Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening Trial." Presented at Annual Meeting of the American Urological Association, Chicago, Illinois, April 25 – 30, 2009. *Journal Of Urology*, 181(4):61 – 62, abstract 168.
- 35) Grubb RL 3rd, Black A, Reding D, Hickey T, Pinsky PF, **Church TR**, Izmirlian G, Riley T, Mabie J, Ragard LR, Berg CD, Prorok PC, Crawford ED, Andriole Jr. GL. (2009) "Pattern of PSA change during serial screening in the PLCO Cancer Screening Trial affects prostate cancer risk." Presented at Annual Meeting of the American Urological Association, Chicago, Illinois, April 25 – 30, 2009. *Journal Of Urology*, 181(4):811 – 812, abstract 2241.

- 36) Gerberich SG, Nachreiner NM, Ryan AD, **Church TR**, McGovern PM, Geisser MS, Watt GS, Fedra DM, Sage SK, Pinder E. (2008) "Risk factors for occupational violence against educators." Presented at the Society for Epidemiological Research, 41<sup>st</sup> Annual Meeting, Chicago, Illinois, June 24 – 27, 2008. *American Journal of Epidemiology*, 167(11):S118 – S118, Suppl. S.
- 37) Sage SK, Gerberich SG, Nachreiner NM, Ryan AD, **Church TR**, McGovern PM, Geisser MS, Mongin SJ, Watt GD, Fedra DM, Pinder ED. (2008) "Association between student expenditure and educators' risk of physical assault." Presented at the Society for Epidemiological Research, 41<sup>st</sup> Annual Meeting, Chicago, Illinois, June 24 – 27, 2008. *American Journal of Epidemiology*, 167(11):S122 – S122, Suppl. S.
- 38) Miller DC, **Church TR**, Hickey T, Greenlee RT, Lzmirlian G, Mabie J, Riley TL, Ragard L, Prorok PC, Berg CD, Crawford ED, Andriole GL, Grubb RL. (2008) "Determinants of radical prostatectomy in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial." *Journal Of Urology*, 179(4):29.
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- 45) **Church TR**. (2006) "Screening bias in observational studies of behavioral risk factors and cancer." *American Journal of Epidemiology*, 163(11):S74 – S74, Suppl. S.
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- 56) Gerberich SG, **Church TR**, McGovern PM, Hansen HE, Nachreiner NM, Geisser MS, Ryan A, Mongin SJ, Watt GD, Jurek A. (2003) "Regional rural injury study II: Agricultural household injury experience and etiology of agricultural injuries among children." *Journal of Occupational Medicine*, 45(7):772.
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- 79) Degroot PJ, **Church TR**, Mehra R, Martinson MS, Schaber DE. (1997) "Derivation of a defibrillator implant criterion based on probability of successful defibrillation (vol 20, pg 1924, 1997)." *Pace-Pacing and Clinical Electrophysiology* 1997 Oct; 20(10), R8-R8.
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- 82) Lehmann MH, Roberts D, **Church TR.** (1995) "Potential survival benefit from investigational devices in patients less than or equal to 65 yrs: Lessons from the implantable cardioverter defibrillator (ICD) experience." *Journal of the American College of Cardiology*, 25(2):22A.
- 83) **Church T**, Dehlinger M, Saravolatz L, Stein D, Winslow D, Collins G. (1993) "P63 Design of a randomized trial of combined nucleoside analog antiretroviral therapy in AIDS patients." *Controlled Clinical Trials* 1993 October; 14(5), 453. doi.10.1016/0197-2456(93)90195-j
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- 91) Stokes K, **Church T**. (1987) "The elimination of exit block as a pacing complication using a transvenous steroid-eluting lead." *Pacing and Clinical Electrophysiology*, 10:748.
- 92) Rabson JLR, Bucher DR, Parrott JC, Williams TM, **Church TR**. (1987) "Steroid-eluting electrode, bipolar threshold performance." *Pacing and Clinical Electrophysiology*, 10:763.
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- 94) Stephenson N, Kallok M, Chevalier P, **Church T**, Martinson M, Zipes D. (1985) "A Multicenter Study of Intracavitary Cardioversion - Identification of Factors Affecting Success." *Pace-Pacing and Clinical Electrophysiology* 1985 1985; 8(2), 308-308.
- 95) McHugh RB, **Church T**, Mandel J, White C. (1981) "The parameterization of predictive value for multi-site screening." *Biometrics* 1981; 37(1), 187-187.

### **Editorials Published**

- 1) **Church TR**. "Screening for colorectal cancer--which strategy is the best?" *Journal of the National Cancer Institute*. 2011 Sep 7;103(17):1282-3. Epub 2011 Aug 18.
- 2) **Church TR**. (2008) "Separation of health and statistics." *Journal of the National Cancer Institute*, 100(7):452 – 53. PMID: 18364500
- 3) **Church TR**. (2006) "Prostate-specific antigen and prostate cancer prognosis." *Journal of the National Cancer Institute*, 98(21):1509 – 10.
- 4) **Church TR**. (2006) "Screening for colorectal cancer by colonoscopy: Adding to the evidence." *Journal of the American Medical Association*, 295(20): 2411 – 12.
- 5) **Church TR**. (2005) "Offering patients colorectal cancer screening." *Journal of the National Cancer Institute*, 97(5):328 – 29.
- 6) **Church TR**. (2003) "Simulated screening for prostate cancer: The useful model." *Journal of the National Cancer Institute*, 95(12):838 – 39.

### **Peer-reviewed Reviews/Commentaries Published**

- 1) **Church TR**. (2015) "Response to 'The National Lung Screening Trial Premise of Null and Chest Radiography Equivalence Is Open to Question'." *American Journal of Roentgenology* 2015 2015/08/01; 205(2), 280-280. doi.10.2214/ajr.15.14615
- 2) **Church TR**. (2014) "Colorectal cancer screening: will non-invasive procedures triumph?" *Genome Medicine* 2014 06/2014; 6(43).
- 3) **Church TR**. (2002) "Review of human trials: Scientists, investors and patients in a quest for a cure." *Oncology Times*, XXIV(1):76, January 2002.

- 4) **Church TR.** (1997) “Commentary: Colorectal cancer screening and surveillance. Clinical guidelines and rationale.” *Abstracts of Clinical Care Guidelines*, 9:6 – 7.
- 5) **Church TR.** (1997) “Commentary: Suggested technique for fecal occult blood testing.” *Abstracts of Clinical Care Guidelines*, 9:15.
- 6) **Church TR.** (1990) “Review: Practical spreadsheet statistics and curve fitting for scientists and engineers.” *Biomedical Instrumentation and Technology*, 24:451.

### **Letters Published**

- 1) Prizment AE, Onyeaghala G, **Church TR.** (2020) "Editorial: the microbiome, aspirin and colorectal cancer-authors' reply." *Alimentary Pharmacology & Therapeutics* 2020 Dec; 52(11-12), 1742-1743. doi.10.1111/apt.16115
- 2) Shaukat A, **Church T.** (2020) "Colorectal cancer screening in the USA in the wake of COVID-19." *The Lancet. Gastroenterology & hepatology* 2020; 5(8), 726-727. doi.10.1016/s2468-1253(20)30191-6
- 3) Shaukat A, **Church TR.** (2018) "Long-Term Effectiveness of Sigmoidoscopy Screening in Women and Men." *Annals of Internal Medicine* 2018; 169(9), 663. doi.10.7326/118-0511 %m 30398635
- 4) Shaukat A, **Church TR.** (2013) "Reply: Colorectal-Cancer Incidence and Mortality after Screening." *New England Journal of Medicine* 2013; 369(24), 2355. (Professor Church was Dr. Shaukat’s primary mentor under a VA career development award) doi.10.1056/NEJMc1313116
- 5) **Church TR.** (2006) “Colonoscopic screening for colorectal cancer – Reply.” *Journal of the American Medical Association*, 296(20):2438 – 39.
- 6) **Church TR.** “United Kingdom back pain exercise and manipulation (UK BEAM) trial: Manipulation alone costs more than other options so why is it recommended?” *British Medical Journal*, 2005 March 19; 330(7492): 674. PMID: PMC554960.
- 7) Ederer F, **Church T**, Mandel J. (2004) “Colorectal cancer screening.” *Scandinavian Journal of Gastroenterology*, 39:1031 – 1032.
- 8) Hodges M, Bailey JJ, **Church TR.** (2003) “B-type natriuretic peptide predicts sudden death in patients with chronic heart failure.” *Circulation*, 107:e13.
- 9) **Church T**, Ederer F, Mandel J. (2002) “Re: All-cause mortality in randomized trials of cancer screening.” *Journal of the National Cancer Institute*, 94(11):861.
- 10) Ederer F, **Church T**, Mandel J. (2001) “Re: What will you be when you grow up?” *Gastroenterology*, 121:732 – 34.
- 11) **Church TR.** (2001) “Ascertainment bias in case-control studies of cancer screening. Response.” *Journal of Clinical Epidemiology*, 54:215 – 16.
- 12) Mandel JS, **Church TR**, Ederer F. (2001) “The effect of fecal occult-blood screening on the incidence of colorectal cancer – Reply.” *New England Journal of Medicine*, 344:1023.
- 13) Bond JH, Mandel JS, **Church TR.** (1998) “Role of fecal occult-blood testing – Reply” *New England Journal of Medicine*, 339:774 – 75.
- 14) **Church TR**, Ederer F, Mandel J. (1998) “Re: Fecal occult blood screening in the Minnesota Study.” *Journal of the National Cancer Institute*, 90:467.
- 15) Mandel JS, **Church TR**, Ederer F. (1994) “Re: Fecal occult blood screening for colorectal cancer: Is mortality reduced by chance selection for screening colonoscopy?” *Journal of the American Medical Association*, 272:1099.

- 16) Mandel JS, **Church TR**, Ederer F. (1993) “Reply to re: Reducing mortality from colorectal cancer by screening for fecal occult blood.” *New England Journal of Medicine*, 329:1353 – 54.
- 17) **Church TR**, Bond JH, Mandel JS. (1990) “Reply to re: Sensitivity, specificity and positive predictivity of the hemoccult test in screening for colorectal cancers.” *Gastroenterology*, 99:608 – 09.

***Manuscripts Submitted***

***Manuscripts in Preparation***

- 1) Mongin SJ, **Church TR**. “A censored multinomial model for binary, longitudinal survey data with missing values”

**Teaching*****Courses Taught (University of Minnesota, unless otherwise noted)***

<b>Number of Course</b>	<b>Date (s)</b>	<b>Students</b>	<b>Responsibility</b>
Screening for Disease: Methods, Practice, Controversies PubH 6390 Section 002	Fall 2016	24	Guest Lecturer
Occupational and Environmental Epidemiology PubH 6140/5140	Spring 2016	11	Primary Instructor
	Spring 2015	8	
	Spring 2014	7	
	Spring 2013	9	
	Spring 2012	9	
	Spring 2011	3	
	Spring 2010	13	
	Spring 2009	5	
	Spring 2008	11	
	Spring 2007	7	
	Spring 2006	10	
	Spring 2005	9	
Doctoral Seminar on Observational Inference PubH 8141/8100	Spring 2022	3	
	Fall 2021	2	
	Spring 2013	3	
	Fall 2012	6	
	Spring 2010	8	
	Spring 2007	4	
	Fall 2006	5	
Making Sense of Health Studies PubH 3106/3100	Spring 2022	60	Guest lecturer
	Fall 2020	60	
	Spring 2020	60	
	Fall 2019	60	
	Spring 2019	60	
	Fall 2018	60	
	Spring 2018	60	
	Fall 2017	60	
	Spring 2017	60	
	Fall 2016	60	

	Spring 2016	60	
	Fall 2015	60	
	Spring 2015	60	
	Fall 2014	60	
	Spring 2013	61	
	Fall 2012	38	
	Fall 2010	14	
	Spring 2010	31	
Epidemiologic Methods I PubH 6341	Fall 2011/Section 1	61	Guest lecturer
	Fall 2011/Section 2	50	
	Fall 2010/Section 1	68	
	Fall 2010Section 2	59	
	Fall 2009/Section1	48	
	Fall 2009/Section 2	73	
	Fall 2008/Section 1	69	
	Fall 2008/Section 2	66	
Cancer Epidemiology PubH 5387	Spring 2004	24	Guest Lecturer
	Spring 2003	32	
Clinical Trials I PubH 5462	Fall 1992	12	Guest Lecturer
Introduction to Computer Programming Math 411 (Augustana College)	Spring 1974	24	Guest Lecturer/ Teaching Assistant

## Advising

### Faculty Mentoring

- 1) Jesse Berman, Assistant Professor  
Mentor Environmental Health Sciences  
2018 –
- 2) Weight, Christopher, Assistant Professor  
Mentor Urology  
2014 – 2015
- 3) Anna Prizment, Assistant Professor  
Primary Mentor Epidemiology  
2013 – 2018
- 4) Maldonado, George, Associate Professor Environmental Health Sciences

Co-mentor	2008 – Present
5) Shaukat, Aasma, Associate Professor Primary Mentor	Gastroenterology 2008 – 2017
6) Ghebre, Rahel G., Assistant Professor Primary Mentor	OB/GYN & Women’s Health 2008 – 2011
7) Flood, Andrew, Assistant Professor Mentor	Epidemiology and Community Health 2005-2009
8) Zheng, C.J., Adjunct Assistant Professor Mentor	Env Health Sciences and Regions Hospital 2000 – 2001

**Graduate Student Advising**

**Ph.D. Completed**

11/92 Gilliland, Frank D.	Env Health	Reader/Prelim Member/Final Member
02/97 Skoglund, Robert S.	Env Health	Reader/Prelim Member/Final Member
01/98 Banks, Robert S.	Env Health	Reader/Prelim Member/Final Member
06/98 Small-Johnson, Jean E.	Env Health	Final Member
08/99 Mink, Pamela	Epidemiol	Reader/Prelim Member/Final Member
06/02 Nachreiner, Nancy M.	Env Health	Reader/Prelim Member/Final Member
08/04 Jurek, Anne M.	Env Health	Advisor
08/04 Andresen, Penny R.	Env Health	Reader/Prelim Member/Final Member
10/04 Jones, Resa M.	Epidemiol	Final Chair/Reader/Prelim Member
11/05 Anderson, Louise H.	Health Serv	Chair/Prelim Member
07/06 Larson-Bright, Muree	Env Health	Reader/ Prelim Member/Final Member
08/06 Ferguson Carlson, Kathleen	Env Health	Reader/ Prelim Member/Final Member
02/07 Rigdon, Carrie E.	Env Health	Prelim Member/Final Chair/Reader
09/07 Scher, Deanna P.	Env Health	Reader/ Prelim Member/Final Member
10/07 Vazquez-Benitez, Gabriela	Epidemiol	Prelim Member
01/08 Feda, Denise	Env Health	Reader/ Prelim Member/Final Member
07/08 Williams, Quintin	Env Health	Reader/ Prelim Member/Final Member
08/08 Sage, Starr	Env Health	Reader
09/09 Jansen, Ricky J.	Env Health	Advisor
11/09 Nordgren, Leslie	Env Health	Prelim Member/Final Member
07/11 Oancea, S. Cristina	Env Health	Advisor
12/11 Pinder, Evette	Env Health	Reader/Prelim Member/Final Member
11/13 Drucker, Chris	Env Health	Final Chair/Reader/Prelim Member
12/13 Raleigh, Kathy Koehler	Env Health	Final Reader/Prelim Member
05/14 Wei, Chia	Env Health	Reader/Prelim Member
05/16 Graeve , Catherine	Env Health	Prelim Member/ Reader/Final Chair
03/17 Gramling, Joshua	Env Health	Prelim Member/Final Member
06/18 Baidwan, Navneet	Env Health	Prelim Chair/Final Chair
07/18 Green, Dierdre	Env Health	Prelim Member/Final Chair

**Timothy R. Church, Ph.D., M.S.**

**12/11/2023**

05/19 Hwang, Haijin

Env Health

Prelim Member/Final Chair

### **Ph.D. Active**

Demoulin, Douglas

Env Health

Prelim Member/Final Chair

### **M.S. Completed**

9/89 Geisser, Mindy

Biometry

Final Member

9/93 Mah, Jeng

Biostat

Project Advisor/Final Member

9/97 Wang, Xuewei

Biostat

Final Member

6/98 Hong, Gregory K.

Env Health

Advisor/Final Chair

12/99 Timbo, Aaron S.

Geo Info Sci

Final Member

7/00 LeSueur, Dale W.

Biostat

Final Member

5/06 Jansen, Ricky J.

Env Health

Final Member

08/10 Bendert, Eddie

Biostat

Final Member

### **M.P.H. Completed**

6/99 Simonson, Joshua

Env Health

Advisor/Final Member

8/01 Zabel, Erik

Env Health

Advisor/Final Member

12/01 Lynch, Peter

Env Health

Co-Advisor/Final Member

4/03 Ferguson, Kathleen

Env Health

Final Member

12/15 de Lambert, Jane

Env Health

Final Member

08/17 Patel, Niharika

Env Health

Advisor/Final Member

09/19 Moore, Jessica

Epidemiol

Advisor/Final Chair

## **Service Activities**

### ***Editorial Boards***

- Editorial Board, Physician Database Query: Screening and Prevention, National Cancer Institute (2016 – present)
- Journal of the National Cancer Institute, July 1999 to June 2013.
- Epidemiologic Perspectives and Innovations, September 2003 to 2010.

### ***Ad hoc Journal Reviewer***

- American Journal of Epidemiology
- American Journal of Gastroenterology
- American Journal of Medicine
- American Journal of Preventive Medicine
- American Journal of Public Health
- Annals of Epidemiology
- Annals of Internal Medicine
- BMC Cancer
- British Journal of Cancer
- British Medical Journal

- Cancer
- Cancer Epidemiology, Biomarkers and Prevention
- Cancer Prevention and Diagnosis
- Cancer Prevention Research
- Cancer Research
- Circulation
- Clinical Chemistry
- Clinical Gastroenterology and Hepatology
- Communications in Statistics
- Controlled Clinical Trials
- Diseases of the Colon and Rectum
- Endoscopy
- Epidemiologic Perspectives and Innovations
- Gastroenterology
- Genetics in Medicine
- International Journal of Cancer
- International Journal of Epidemiology
- Journal of the American Medical Association
- Journal of Clinical Epidemiology
- Journal of Clinical Oncology
- Journal of Medical Screening
- Journal of the National Cancer Institute
- Molecular Diagnosis and Treatment
- Nature Reviews
- Nicotine and Tobacco Research
- Oncology Times
- PLoS ONE
- Prevention of Chronic Disease
- Quality of Life Research
- Regulatory Toxicology and Pharmacology
- Statistics in Medicine

***Grant/Contract Proposal Reviewer***

Center for Healthy African American Men through Partnerships (CHAAMPs): 2017

National Cancer Institute Concept Evaluation: 2015

PCORI Merit Review: 2015

Urologic Cancers Translational Working Group Pilot Project Awards: 2014

Prostate Cancer UK: 2014

African American Men's Health Review: 2014

American Cancer Society: 2007

Lung Cancer Research Program, DoD: 2010 – 2014

National Cancer Institute Cancer Therapy Evaluation Program: 2013

Pennsylvania Department of Health: 2007 – present



**Professional Associations**

- American Association for Cancer Research
- American Statistical Association
- American Public Health Association
- East North American Region of the Biometric Society
- International Biometric Society
- Minnesota Colorectal Cancer Consortium
- Society for Clinical Trials
- Society for Epidemiologic Research

**Committee and Board Memberships***External***Data & Safety Monitoring Committees**

- Chair, Department of Veterans Affairs, Cooperative Studies Program (CSP) #577, “Colonoscopy vs. Fecal Immunochemical Test in Reducing Mortality from Colorectal Cancer (CONFIRM),” West Haven, Connecticut, (2018 – present)
- Member, Department of Veterans Affairs, Cooperative Studies Program (CSP) #577, “Colonoscopy vs. Fecal Immunochemical Test in Reducing Mortality from Colorectal Cancer (CONFIRM),” West Haven, Connecticut, (2011 – 2018)
- Member, PULSED AF, Medtronic Inc., Cardiac Rhythm Disease Management Business (2020 – 2022)
- Chair, ILLUMENATE Global-ISR study, Spectranetics (2015 – 2020)
- Member, PTVAS for Symptomatic Chronic Functional Tricuspid Regurgitation (SCOUT) I & II Studies, Mitralign, Incorporated (2017 – 2019)
- Member, ARN-509 (TITAN) Study, Jansen Pharmaceuticals, (2015 – 2018)
- Member, Evaluation of Multielectrode Phased RF Technology in Persistent Atrial Fibrillation (VICTORY AF) Study, Medtronic, Inc., Cardiac Rhythm Disease Management Business (2014 – 2018)
- Member, Medtronic, Inc., Attain StarFix Extraction Clinical Study (2012 – 2013)
- Member, Medtronic, Inc., Cardiac Rhythm Disease Management Business, Determining the Feasibility of Spinal Cord Neuromodulation for the Treatment of Chronic Heart Failure (Defeat-HF) Study (2011 – 2017)
- Member, Medtronic, Inc., DellIVery for Pulmonary Arterial Hypertension (PAH) Patient Population Study (2011 – 2017)
- Member, department of Veterans Affairs, Cooperative Studies Program (CSP) #563, “Prazosin and Combat Trauma PTSD (PACT)” (2011 – 2013)
- Member, Medtronic, Inc., Cardiac Rhythm Disease Management Business, Micra Study (2011 – 2016)
- Member, Medtronic, Inc., Cardiac Rhythm Disease Management Business, Post-MI Remodeling Prevention Therapy (PRomPT) Study (2011 – 2016)
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**Other committees and boards**

- Scientific Advisory Board, Guardant Health (2020 – 2021)
- Study Advisory Board, CoveraDS Study, Clinical Genomics (2018 – 2020)

- Study Advisory Board and Consultant, GRAIL Incorporated (2018 – present)
- Scientific Advisory Board, GRAIL, Incorporated (2016 – 2018)
- Chair, Cervical Cancer Guideline Working Group, Guidelines Development Group, American Cancer Society, (2019 – 2020)
- Member, Guidelines Development Workgroup Panel, American Cancer Society, (2012 – present)
- Member, Board of Trustees, Shattuck-St. Mary's School, (2011 – 2017)
- Expert Peer Reviewer, Environments and Contaminants – Hazardous Air Pollutants, Environmental Protection Agency (EPA) panel report, EPA's Indicators and Proposed Statistical Methodology for America's Children and the Environment, Third Edition (2011)
- Scientific Reviewer, Department of Defense, Congressionally Directed Medical Research Programs, 2010 Lung Cancer Research Program, Clinical Consortium Award Review Panel, Reston, Virginia (2011)
- Chair, Data and Safety Monitoring Board, the U.S. Study for Evaluating Endovascular Treatments of Lesions in the Superficial Femoral Artery and Proximal Popliteal by Using the Protégé EverFlex Nitinol Stent System II Study (Durability II Study), Covidien, Plymouth, Minnesota (2009 – present)
- Independent Peer Review Committee member, Cancer Surveillance Project, Minnesota Department of Health (2009 – 2011)
- Member, Data and Safety Monitoring Board, "S-ICD System Clinical Study Investigation," Cameron Health, Inc., San Clemente, California (2010 – present)
- Member, Medical Advisory Board, SAGE Scopes Program, Minnesota Department of Health (2009 – present)
- Member, Data Monitoring Committee, Department of Veterans Affairs, Cooperative Studies Program (CSP) #563, "Prazosin and Combat Trauma PTSD [NB: Post-traumatic Stress Disorder] (PACT)," Mountain View, California, (2008 – present)
- Chair, Data and Safety Monitoring Board, Carotid Revascularization, ev3 Arterial Technology Evolution Post Approval Study (CREATE-PAS), Harvard Clinical Research Institute (2007 – 2008)
- Pennsylvania Final Performance Review, Commonwealth of Pennsylvania, Department of Health, Commonwealth Universal Research Enhancement Programs, Oak Ridge Associated Universities (ORAU), Oak Ridge Institute for Science and Education (ORISE) (2005 – )
- Chair, Data and Safety Monitoring Board, Carotid Revascularization, ev3 Arterial Technology Evolution (CREATE) Trial, ev3, Inc., (2005 – 2009)
- Analysis, Cost-effectiveness and Modeling Committee, Prostate, Lung, Colon and Ovarian (PLCO) Cancer Screening Trial (2004 – 2012)
- Foundation Board of Directors, The Hubert Humphrey Cancer Center, North Memorial Hospital, Robbinsdale, Minnesota (2004 – 2008)
- Detection Work Group, Cancer Plan Minnesota (2003 – 2004)
- Co-chair, Publications, Presentations, and Ancillary Studies Subcommittee, National Lung Screening Trial (2003 – 2011)
- Epidemiology Committee, Colorectal Cancer Family Registry (2002 – present)

- Advisory Board, The Virginia Piper Cancer Institute, Abbott – Northwestern Hospital, Minneapolis, Minnesota (2002 – 2007)
- Executive Committee, National Lung Screening Trial (2002 – present)
- Epidemiology and Biostatistics Harmonization Subcommittee, National Lung Screening Trial (2002)
- Encounter Level Data Rules Advisory Committee, Minnesota Department of Health (2001 – 2002)
- Executive Committee, Minnesota Colorectal Cancer Consortium (2000 – 2010)
- Research Committee, Minnesota Colorectal Cancer Initiative (2000 – 2010)
- Epidemiology Committee, International Prostate Screening Trial Evaluation Group (2000 – present)
- Epidemiology Committee, European Randomized Study of Screening for Prostate Cancer (2000 – 2009)
- Modeling and Simulation Committee, Prostate, Lung, Colon and Ovarian Cancer Screening Trial (1999 – 2004)
- Chair, Risk Factor Questionnaire Committee, Prostate, Lung, Colon and Ovarian Cancer Screening Trial (1999 – 2001)
- Education Committee, Society for Clinical Trials (1999 – 2006)
- Steering Committee, Prostate, Lung, Colon and Ovarian Cancer Screening Trial (1999 – 2012)
- Publication Subcommittee, Prostate, Lung, Colon and Ovarian Cancer Screening Trial (1999 – 2012)
- Colorectal Subcommittee, Prostate, Lung, Colon and Ovarian Cancer Screening Trial (1999 – 2012)
- Prostate Subcommittee, Prostate, Lung, Colon and Ovarian Cancer Screening Trial (1999 – 2012)
- Lung Subcommittee, Prostate, Lung, Colon and Ovarian Cancer Screening Trial (1999 – 2012)
- Data and Safety Monitoring Board, Heart Failure Management Division, Medtronic, Inc., (1997 – 1998)

***Internal***

- Member, Executive Committee, Member, Center for Healthy Aging and Innovation, University of Minnesota (2019 – present)
- School of Public Health Faculty Consultative Committee (2016 – 2019)
- Member, Clinical and Translational Science Institute (CTSI) Clinical Research Implementation Services (CRIS) Recruitment Center Working Group (2012 – 2016)
- Chair, School of Public Health Tenured Faculty Continuation Review Meeting(s); Appointment, Promotion and Tenure Committee, (2012 – 2013)
- Division Representative, School of Public Health Workgroup: Annual Reporting of Faculty Professional Activities (2012 – 2014)
- Executive Committee, Research Training Program in Nutrition and Cancer, NIH/NCI T32 Training Grant (2012 – present)
- Mentor, Research Training Program in Nutrition and Cancer, NIH/NCI T32 Training Grant (2012 – present)

- Chair, Appointment, Promotion and Tenure Committee, School of Public Health (2011 – 2012)
- University of Minnesota, University Senate and Faculty Senate, School of Public Health Representative (2011 – 2014)
- Faculty-At-Large Representative to the School of Public Health Policy Council and Faculty Consultative Committee (2011 – 2014)
- Member, Clinical and Translational Science Institute (CTSI) Research Services Integration Steering Committee (2011 – 2016)
- Appointment, Promotion and Tenure Committee, School of Public Health (2010 – 2012)
- Member, Faculty Consultative Committee, School of Public Health (2010 – 2014)
- Mentor, Surgical Oncology Training Program, NIH/NCI T32 Training Grant (2008 – present)
- Search Committee Chair, Director of Biostatistical Design and Analysis Center (2006 – 2007)
- New Budget Model Task Force, School of Public Health (2006 – present)
- University of Minnesota, University Senate and Faculty Senate, Twin Cities campus (2006 – 2008)
- Biostatistics Division Head Search Committee, School of Public Health (2006 – 2007)
- Epidemiology Master of Public Health (MPH)/Ph.D. Curriculum Committee (2005 – present)
- Administrative Services Strategic Planning Task Force (2005 – 2006)
- Cancer Prevention and Control Steering Committee, University of Minnesota Cancer Center (2005 – 2012)
- Population Sciences Program, Masonic Cancer Center, University of Minnesota (2005 – present)
- Faculty Consultative Committee, School of Public Health (2005 – 2007, 2016 – present)
- Ad Hoc Advisory Committee to the Dean, School of Public Health (2003)
- Clinical Protocol Review Committee, Non-treatment Interventional Protocols, University of Minnesota Cancer Center (2002 – 2004)
- Institutional Review Board, Human Subjects Review Committee, Biomedical Panel 2 (2002 – 2012)
- Environmental and Occupational Health Awards Committee (2001 – 2002)
- Health Research and Data Privacy Committee, School of Public Health (2001 – 2002)
- Epidemiology MPH Review Committee (1999)
- Research Committee, School of Public Health (1999 – 2001)
- Academic Health Center Finance and Planning Committee (1999 – 2008) (Chair, 2002 – 2004)
- Environmental and Occupational Health Computer Committee (1996 – 2000) (Chair, 1997 – 2000)
- Research Committee, School of Public Health (1992 – 1993)

***Symposium/Workshop Faculty Participation***

- Participant and Presenter, Provocative Questions in Cancer Prevention Workshop, National Cancer Institute, Bethesda, MD, November 30, 2018

- Faculty and Presenter, Symposium on Precision Cancer Screening in the General Population: Evidence, Epidemiology, and Next Steps, Rockville, MD, September 29, 2015.
- Delegation member and presenter, American Statistical Association Delegation to Cuba, May 20-26, 2013.
- Expert panel member, “2nd annual town hall meeting on health disparities.” The Curtis D. Robinson Men’s Health Institute at the Saint Francis Hospital and Medical Center, Hartford, Connecticut, June 28, 2012.
- Discussant, “Strengths and weaknesses of a megatrial.” Joint Statistical Meetings, 2006, Seattle, Washington.
- Session moderator, Biomarker Validation of Preclinical to Clinical Studies, GTC Biomarker Summit, 6th Biomarker Development Conference, San Diego, CA, March 15, 2012
- Consultant/participant, Cancer Incidence and Surveillance Network (CISNET) Colon semi-annual meetings, various locations, including Rotterdam, Washington, DC, and Seattle, WA, 2005 – present.
- Organizer, Minnesota Colorectal Cancer Summit, Minneapolis, Minnesota, March 4 – 5, 2004.
- Panelist, “Privacy in America: Different protections for medicine, public health, and national security?” Symposium on the Limits of Personal Privacy: Biomedical Information in Public Health, Population Genomics, and Mass Disasters. Sponsored by the Consortium on Law and Values in Health, Environment and the Life Sciences, University of Minnesota Law School, Minneapolis, April 23, 2003.
- Organizer and panelist, Minnesota Colorectal Cancer Summit, Minneapolis, Minnesota, March 7, 2003.
- Organizer and lecturer, Minnesota Colorectal Cancer Summit, Minneapolis, Minnesota, March 7, 2002.
- Pre-conference workshop organizer and faculty, “Essentials of clinical trials.” Society for Clinical Trials Meeting, Arlington, VA, May 13, 2002.
- Pre-conference workshop organizer and faculty, “Valid as-treated analyses in randomized trials.” Society for Clinical Trials Meeting, May 20, 2001.
- Faculty facilitator, Community Program for Clinical Research on AIDS Seminar, November 14-17, 1991, Scottsdale, AZ.