**CURRICULUM VITAE**

**Date Prepared**: November 22, 2024

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**ACADEMIC TITLE:** Professor of Epidemiology

**WORK ADDRESS:** Harvard T.H. Chan School of Public Health

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**EDUCATION:**

1988 Certificate (Italian language and culture), American Institute for Foreign Studies, Florence, Italy

1989 BS (Biology), Tufts University, Medford, MA

1997 MPH (Epidemiology and Biostatistics), Boston University School of Public Health, Boston, MA

2003 ScD (Epidemiology), Harvard School of Public Health, Boston, MA

**POSTDOCTORAL TRAINING:**

2002-2003 Research Fellow in Epidemiology, Karolinska Institutet, Stockholm, Sweden

2003-2005 Research Fellow in Cancer Epidemiology, Harvard School of Public Health, Boston, MA

**ACADEMIC APPOINTMENTS:**

1998-2002 Graduate Research Assistant in Epidemiology, Harvard School of Public Health, Boston, MA

1998-2002 Graduate Research Assistant in Oral Health Policy and Epidemiology, Harvard School of Dental Medicine, Boston, MA

2000-2002 Graduate Research Assistant in Medical Epidemiology, Karolinska Institutet, Stockholm, Sweden

2002-2003 Research Fellow in Epidemiology, Karolinska Institutet, Stockholm, Sweden

2003-2005 Research Fellow in Cancer Epidemiology, Harvard School of Public Health, Boston, MA

2003-2006 Instructor of Medicine, Harvard Medical School, Boston, MA

2006-2010 Assistant Professor in the Department of Epidemiology, Harvard School of Public Health, Boston, MA

2006-2016 Assistant Professor of Medicine, Harvard Medical School, Boston, MA

2010-2019 Associate Professor of Epidemiology, Harvard T.H. Chan School of Public Health, Boston MA

2019- Professor of Epidemiology, Harvard T.H. Chan School of Public Health, Boston MA

**HOSPITAL OR AFFILIATED INSTITUTION APPOINTMENTS:**

2003-2018 Associate Epidemiologist, Brigham and Women's Hospital, Boston, MA

2006- Member, Cancer Epidemiology and Prostate Cancer Programs, Dana-Farber/Harvard Cancer Center, Boston, MA

2012- Member, Center Scientific Council, Dana-Farber/Harvard Cancer Center

**OTHER ACADEMIC APPOINTMENTS:**

2004 Instructor, Boston University School of Public Health, Boston, MA

2007-2018 Visiting Professor of Public Health, University of Iceland, Reykjavik, Iceland

2012-2015 Foreign Visiting Professor, Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Sweden

**OTHER PROFESSIONAL APPOINTMENTS:**

2012-2015 Co-Leader, Cancer Epidemiology Program, Dana-Farber/Harvard Cancer Center

2015-2022 Leader, Cancer Epidemiology Program

2022- Deputy Associate Director of Population Science

2012- Head, Cancer Epidemiology and Cancer Prevention Area of Concentration, Harvard T.H. Chan School of Public Health

2019- Faculty Director, Master’s in Epidemiology Program, Harvard T.H Chan School of Public Health

2023- Director of Strategic Research Partnerships, American Cancer Society

**MAJOR ADMINISTRATIVE RESPONSIBILITIES:**

2005-2007 Organizer, Channing Seminar Series, Chronic Disease Epidemiology Group, Channing Laboratory, Brigham and Women’s Hospital

2005-2011 Co-Director, Channing Peer-Mentoring Program for Post-Doctoral Fellows and Instructors, Channing Laboratory, Brigham and Women’s Hospital

2006 Harvard Medical School Leadership Development for Physicians and Scientists, Harvard Medical School

2006- Member, Dana-Farber/Harvard Cancer Center Cancer Epidemiology Program and Prostate Cancer Program

2007-2008 Organizer, Epidemiology Department Seminar Series, Harvard School of Public Health

2008 Organizer, Dana-Farber/Harvard Cancer Center Interdisciplinary Workshop: Incorporating novel tumor tissue analysis into population-based studies of human cancer, Harvard Medical School

2009 Science Fair Judge, New England Science Symposium, Harvard Medical School, sponsored by the Harvard Medical School Minority Faculty Development Program of the Office of Diversity and Community Partnership

2009-2014 Advisory Board Member, Nurses’ Health Study Tissue Laboratory, Channing Laboratory, Brigham and Women’s Hospital

2010- Scientific Advisory Board, Prostate Cancer Foundation

 2015-23 Founding Organizer, Prostate Cancer Foundation Women in Science Forum

2011-2022 Movember Global Action Plan Team Member, Prostate Cancer Foundation and Movember Foundation

2011-22 Executive Committee, Transdisciplinary Prostate Cancer Partnership (ToPCaP)

2012 Workshop Organizer, mRNA profiling pilot studies in the Harvard Cohorts, Dana-Farber/Harvard Cancer Center

2012-2017 Leader, Prostate Cancer Foundation “School of Public Health”

2012-21 Executive Committee, Nordic Twin Studies of Cancer (NorTwinCan)

2013 Evaluation Panel, Movember Revolutionary Team Award, Australia

2013, 2016, Expert Review Panel, Movember Translation Acceleration Grant, Prostate Cancer Canada

2018

2013- Organizer, Annual Celebration of Young Investigators in Cancer Research, Dana-Farber/Harvard Cancer Center

2013- Organizer, Annual Brief Update Series in Population Sciences, Dana-Farber/Harvard Cancer Center

2014 Faculty Associate, Fulbright US Scholar Program

2014 Participant, National Cancer Institute Provocative Question Workshop, Boston MA

2014 Organizer, Second Annual Celebration of Young Investigators in Cancer Research, Dana-Farber/Harvard Cancer Center

2014 Organizer, First Annual Prostate Cancer Teach-In, Harvard School of Public Health and Massachusetts Prostate Cancer Coalition

2014-2016 Co-leader, Tissue Working Group, National Cancer Institute’s Cohort Consortium

2016- Co-Leader, Prostate Tissue Biomarkers Working Group, NCI Cohort Consortium

2014-2023 Scientific Advisory Board, Movember Global Action Plan 4 (GAP4), Prostate Cancer Exercise and Metabolic Health

2014-2023 External Advisory Board, Pacific Northwest SPORE in Prostate Cancer

2015 Program Committee, American Association for Cancer Research Annual Meeting

2015 International Advisory Group, Pacific Rim Breast and Prostate Cancer Group

2015-2018 Research Advisory Council, Prostate Cancer UK

2015- Integration Panel Member, Congressionally Directed Medical Research Programs’ Prostate Cancer Research Program

 2016-2018 Executive Committee, Member at Large

 2018-2019 Chair

 2020-2024 Executive Committee

2015- Co-Principal Investigator and Executive Committee Member, International Registry of Men with Advanced Prostate Cancer (IRONMAN)

 2017- Chair, Diversity Working Group, IRONMAN registry

2016- Co-Director, Integrative Molecular Epidemiology Workshop, American Association for Cancer Research

2016- Co-Principal Investigator, Health Professionals Follow-up Study

2016-2022 External Advisory Board, The Sidney Kimmel Cancer Center at Thomas Jefferson University

2019- Faculty Director, Master’s in Epidemiology, Harvard TH Chan School of Public Health

2020-2023 External Advisory Board, Cedars Sinai Cancer Center

2021-2022 Chair Elect, Molecular Epidemiology Group, American Association for Cancer Research

2022-2024 Chair, Population Science Working Group, American Association for Cancer Research

2021- Founding Organizer, Women in Genitourinary Cancers, Dana-Farber/Harvard Cancer Center

2021- External Advisory Board, Boston Lung Cancer Study

2022- Scientific Advisory Board, Convergent Therapeutics

2022 Site Visit Review Committee, Metabolic Epidemiology Branch, National Cancer Institute

2023 2023 Cancer Progress Report Steering Committee, American Association for Cancer Research

2023- Scientific Advisory Committee, ACS BrightEdge

2024- Senior Editor, Molecular Cancer Research

2024- Senior Scientific Advisor, National Prostate Cancer Roundtable, American Cancer Society

**COMMITTEE SERVICE:**

DEPARTMENTAL/SCHOOL AND UNIVERSITY SERVICE:

2006- Admissions Committee, Epidemiology Department, Harvard T.H. Chan School of Public Health

2006- Member and Project Leader, Dana-Farber/Harvard Cancer Center Prostate Cancer SPORE

2007-2010 Gender Equality Committee, Epidemiology Department, Harvard School of Public Health

2009-2014 Scientific Advisory Board, Pathology Cores, Dana-Farber/Harvard Cancer Center

2010-2014 Scientific Advisory Board, Tissue Studies, Nurses’ Health Study

2010-2015 Faculty Mentor, R25 Nutrition and Cancer Training Grant, Harvard School of Public Health

2010- Review Committee, Harvard School of Public Health Post-Doctoral Travel Scholarship Awards

2011-2013 Organizer, Epidemiology Department Seminar Series, Harvard School of Public Health

2011-2015 Grant Review Committee, David Mazzone, Dana-Farber/Harvard Cancer Center Prostate SPORE

2011-2016 Post-doctoral Fellow Advisory Committee, Harvard T.H. Chan School of Public Health

2011- Head of Cancer Epidemiology and Prevention Concentration, Harvard T.H. Chan School of Public Health

2012-8 Grant Review Committee, Dana-Farber/Harvard Cancer Center U54 Pilot Applications

2012- Member, Admissions and Financial Aid Committee, Department of Epidemiology, Harvard T.H. Chan School of Public Health

2012- Co-Leader, Cancer Epidemiology, Dana-Farber/Harvard Cancer Center

 2015-2022 Leader, Cancer Epidemiology

 2022- Deputy Associate Director of Population Science

2013- Faculty Member, Harvard T.H. Chan School of Public Health Disciplinary Board

 (now Code of Conduct Council)

2014-2018 Faculty Mentor, Harvard T.H. Chan School of Public Health MIRT Program

2014-2022 Faculty Steering Committee, John B. Little Center for Radiation Sciences, Harvard T.H. Chan School of Public Health

2015-2016 Independent Blue Ribbon Expert Panel, Massachusetts Prostate Cancer Action Council and Campaign for Prostate Cancer Research, Education and Awareness for High-Risk Men

2015-2019 Faculty Mentor, T32 Training Grant on Cancer Biostatistics, Harvard T.H. Chan School of Public Health

2015- Methods and Substantive Exam Committee, Department of Epidemiology, Harvard T.H. Chan School of Public Health

2016 Chair, *Ad Hoc* Disciplinary Board, Harvard T.H. Chan School of Public Health

2016-2019 Faculty Council Member, Harvard T.H. Chan School of Public Health

 2018-2019 Co-Chair of the Council

2016-2021 Harvard University Milton Fund Review Panel

2017 Member, Task Force on Improving Educational Quality, Harvard T.H. Chan School of Public Health

2017-2018 Member, Faculty Search Committee in Radiation Epidemiology, Harvard T.H. Chan School of Public Health

2017-2018 Advisory Committee, Sexual Assault & Harassment Prevention, Harvard T.H. Chan School of Public Health

2017-2018 Chair,Interdisciplinary Research Task Force, Harvard T.H. Chan School of Public Health

2019- Faculty Director, SM2 in Epidemiology Program, Harvard T.H. Chan School of Public Health

2019-2020 Research Platforms Advisory Committee, Harvard T.H. Chan School of Public Health

2020-2021 Promotion Committee, Caroline Buckee, Harvard TH Chan School of Public Health

2020 Targeted Search Committee, Department of Nutrition, Harvard T.H Chan School of Public Health

2020- Education Committee, Department of Epidemiology, Harvard T.H. Chan School of Public Health

2020-23 Dean’s Diversity Recruitment/Retention Group, Harvard TH Chan School of Public Health

2021-23 Diversity, Inclusion, and Belonging Group, Department of Epidemiology, Harvard TH Chan School of Public Health

2020-2021 Appointment Committee, Heather Eliassen, Harvard TH Chan School of Public Health

2020-2021 Promotion Committee, Tamarra James-Todd, Harvard TH Chan School of Public Health

2021 Reappointment Committee, Stephanie Smith-Warner, Harvard TH Chan School of Public Health

2021- Committee on the Advancement of Women Faculty, Harvard TH Chan School of Public Health

2022-2023 Committee Co-Chair

2022 Promotion Committee, Zachary Nagel, Associate Professor Harvard TH Chan School of Public Health

2022- RPAC Committee, Harvard TH Chan School of Public Health

2022 Chair, Promotion Committee, Mingyang Song, Associate Professor of Clinical Epidemiology and Nutrition Harvard TH Chan School of Public Health

2023 Ad hoc Committee, Kenneth Mukamal, Promotion to Professor of Medicine, Harvard Medical School

2023- Student Mental Health Committee, Department of Epidemiology, Harvard TH Chan School of Public Health

2023-2024 Population Health Science (PHS) Field Faculty Response Group (FFRRG), Harvard TH Chan School of Public Health

2024-2025 Standing Committee, Subcommittee on the Degree of Doctor of Philosophy in Population Health Sciences

2024- Donald Hopkins Scholars Steering Committee, Harvard TH Chan School of Public Health

**PROFESSIONAL SOCIETIES:**

2001-2005 Society for Epidemiological Research, Member

2003- American Association for Cancer Research, Associate Member

2014- American Society for Preventive Oncology

**GRANT REVIEW ACTIVITIES:**

2010 Grant Review Panel, World Cancer Research Fund

2011-2016 Grant Review Committee, Prostate Cancer Foundation of Australia

2011-2018 Grant Review Committee, Prostate Cancer Charity UK Research Awards

2012 Ad Hoc Member, Special Study Section: Provocative Questions, National Institutes of Health/National Cancer Institute

2012-2015 Ad Hoc Member, Epidemiology of Cancer (EPIC) Study Section, National Institutes of Health/National Cancer Institute

2012- Grant Review Committee, Challenge Award Mechanism, Prostate Cancer Foundation

2013 Grant Review Committee, Health Research Board of Ireland

2013 Grant Review Committee, Irish Cancer Society Career Development Awards

2013 Grant Review Committee, Norwegian Cancer Society Team Science Award

2013 Grant Review Panel, US Army Prostate Cancer Program, Population Science Mechanism

2013-8 Grant Review Panel, National Institutes of Health/National Cancer Institute, PAR Physical activity and weight control interventions among cancer survivors: effects on biomarkers of prognosis and survival

2014 Grant Review Panel, US Army Prostate Cancer Program, Idea Development Mechanism

2014-2023 Scientific Review Panel Member, Cancer Prevention Research Institute of Texas (CPRIT)

2015-2017 Member, Grant Review Panel, Bankhead-Coley Cancer Research Program, Florida Department of Health

2015-pres Member, Grant Review Panel, Fellowships: Risk, Prevention and Health Behavior, National Institutes of Health (ZRG1 F16-L 20)

2016 Member, Grant Review Panel, Basic Research in Cancer Health Disparities/ Diversity, National Institutes of Health (ZRG1 OBT-A (55) R)

2018- Grant Review Panel, PLCO Etiology and Early Marker Studies Panel, National Cancer Institute

2020 Grant Review Panel, Accelerator Award, Harvard TH Chan School of Public Health

2021 Grant Review Panel, Special Emphasis Panel ZRG1 EMNR-C 55 R, PAR Panel – Fertility Status as a Marker for Overall Health, National Institutes of Health

2021 Grant Review Panel, PCF-Pfizer Health Equity Challenge Awards

2021 Chair, Grant Review Panel, Special Emphasis Panel National Cancer Institute – PLCO Biospecimens ZCA1 TCRB-O O1

2022- Grant Review Panel, F18 Fellowships: Epidemiology and Population Sciences, National Cancer Institute

2022 Grant Review Panel, U24 Special Emphasis Panel Data, Evaluation and Coordinating Center for: A Multilevel Approach to Connecting Underrepresented Populations to Clinical Trials (CUSP2CT), National Cancer Institute

2023- Grant Review Panel, U01 Cancer Epidemiology Cohorts Review, National Cancer Institute

2023- Grant Review Panel, DF/HCC SPORE in Prostate Cancer, Career Enhancement Program and Development Project Program

2024 Chair, Yosemite-American Cancer Society Award Mechanism

**EDITORIAL ROLES:**

**Ad Hoc Reviewer**

American Journal of Epidemiology; British Journal of Cancer; British Journal of Urology International; British Medical Journal; Cancer Causes and Control; Cancer Epidemiology, Biomarkers and Prevention; Cancer Prevention Research; Cancer Research, Clinical Cancer Research; Epidemiology; European Urology; International Journal of Cancer; Journal of Clinical Oncology; Journal of Food Composition and Analysis; Journal of the American Medical Association; JAMA Oncology; Journal of the National Cancer Institute; Lancet Oncology; New England Journal of Medicine; PLOS One; PLOS Medicine; Proceedings of the National Academy of Science; Scientific Reports; The Prostate

**Other Editorial Roles**

2006-2008 Editorial Board, *Menopause*

2006-2008 Editorial Board, *The Open Epidemiology Journal*

2009-2018 Associate Editor, *Cancer Causes Control*

2011-2019 Editorial Board, *Clinical Genitourinary Cancer*

2017- Editorial Board, *The Prostate*

2019-2023 Senior Editor, *Cancer Epidemiology Biomarkers and Prevention*

2021- Editorial Board, *British Journal of Cancer*

2021- Editorial Board, *Cancer Prevention Research*

2024- Senior Editor, *Molecular Cancer Research*

**HONORS AND DISTINCTIONS:**

2003 James M. Dunning Award for Research Excellence, Harvard School of Dental Medicine

2003-2010 NIH Loan Repayment Program Award, National Institutes of Health

2005 American Society for Clinical Oncology Merit Award

1. American Cancer Society Travel Scholarship
2. Harvard Dependent Care Travel Fund Award

2008-2011 Michael Milken Scholar, Prostate Cancer Foundation

2009 Top Performing Young Investigator, Prostate Cancer Foundation

2010 Harvard Dependent Care Travel Fund Award

2015 Harvard Dependent Care Travel Fund Award

2015 Best of Journal of Clinical Oncology: 2015 Genitourinary Cancer

2015 Teaching Citation, Harvard T.H. Chan School of Public Health

2015 Nominated, Outstanding Post-Doctoral Mentor Award, Harvard T.H. Chan School of Public Health

2015 Mo Sista Whiska Award, Prostate Cancer Foundation

2015 Fifth Annual Alice Hamilton Award Lecture, Harvard T.H. Chan School of Public Health

2016, 2019 Teaching Citation, Harvard T.H. Chan School of Public Health

2016 Frank McGovern Lectureship Series, Massachusetts General Hospital

2019 Seidman Prize for MD Research Mentorship, Harvard Medical School

2021 Chair Elect, American Association for Cancer Research Molecular Epidemiology Group

2022-2023 Chair, American Association for Cancer Research Population Science Working Group

2022 Harvard Chan School Student Mentoring Award

## **PAST FUNDED GRANTS:**

2002-2008 National Institutes of Health/National Cancer Institute, R01CA090598 (PI Stampfer)

*Growth Factors and Prostate Cancer Risk*

The goal of the study was to examine biomarkers in insulin/insulin-like growth factor in prostate cancer risk and progression. Role: Co-Investigator

Direct Costs: $340,000

2003-2006 US Army Prostate Cancer Program, PC031057, Idea Development Award (PI Adami)

*A Population-Based Study of Dietary Acrylamide and Prostate Cancer Risk*

This study aimed to examine the association between dietary intake of acrylamide and risk of prostate cancer. Role: Investigator

Direct Costs: $225,000

2004-2007 Dana-Farber/Harvard Cancer Center Prostate SPORE, P50CA90381, Career Development Award (PI Mucci)

*A Composite Biomarker for Prostate Cancer Death*

The aim of this project was to develop a molecular signature in tumors that accurately predicted prostate cancer mortality. Role: Principal Investigator

Direct Costs: $50,000

2005-2008 US Army Prostate Cancer Program, PC040715, Idea Development Award (PI Rubin)

 *Identification of Aggressive Prostate Cancer using SNP Analysis*

The goal of this study was to identify inherited genetic risk loci associated with more aggressive prostate cancer. Role: Investigator

Direct Costs: $125,000

2005-2008 US Army Prostate Cancer Program, PC050696, New Investigator Award (PI Mucci)

*Molecular and Clinical Predictors of Aggressive Prostate Cancer*

The objective of this study was to integrate tumor biomarkers with detailed clinical and histological data in prostate cancer patients to predict risk of prostate cancer death during follow-up. Role: Principal Investigator

Direct Costs: $225,000

2006-2007 Dana-Farber/Harvard Cancer Center Prostate SPORE, P50CA90381, Development Award (PI Mucci)

 *Biomarkers of Angiogenesis and Development of Lethal Prostate Cancer*

This project sought to characterize morphologic features of angiogenesis associated with tumors, including microvessel density and shape, and examine their relationship with prostate cancer mortality. Role: Principal Investigator

Direct Costs: $50,000

2007-2009 Harvard William F. Milton Fund (PI Mucci)

*Infectious origins of prostate cancer*

 This study aimed to investigate the association between serologic evidence of *Trichomonas vaginalis*, measured in pre-diagnostic bloods, and future risk of prostate cancer, particularly advanced disease. Role: Principal Investigator

Direct Costs: $50,000

2007-2009 Dana-Farber/Harvard Cancer Center Prostate SPORE, P50CA90381, Developmental Project Award (PI Mucci)

*Genetic variation and the TMPRSS2:ETS fusion in prostate pathogenesis*

This study examined the association between genetic variants in the androgen receptor and risk of prostate cancer defined by the common molecular subtype, *TMPRSS2:ERG* nested within two cohorts of men. Role: Principal Investigator

Direct Costs: $50,000

2007-2010 US Army Prostate Cancer Program, Idea Development Award (PI Adami)

*The Infectious Pathogenesis of Prostate Cancer*

 This study aimed to investigate the association between histologic markers of inflammation and atrophy, as well as presence of a novel retrovirus (XMRV) in prostate tissue as predictors of prostate cancer mortality in a Swedish cohort. Role: Investigator

Direct Costs: $225,000

2008-2009 Dana-Farber/Harvard Cancer Center Prostate SPORE, P50CA90381, Developmental Project Award (PI Stampfer)

*Dietary phytoestrogens in relation to prostate cancer risk and progression*

This study sought to examine the association between dietary intake of phytoestrogens and prostate cancer risk and mortality in a cohort of Swedish men. Role: Co-Investigator

Direct Costs: $50,000

2008-2009 Dana-Farber/Harvard Cancer Center Prostate SPORE, P50 CA90381, Career Development Award (PI Stark)

*Proliferative inflammatory atrophy in prostate cancer: a patho-epidemiology study*

 This study investigated a common histologic lesion in prostate cancer, proliferative inflammatory atrophy, in prostate cancer progression as well as associations with lifestyle factors. Role: Co-Mentor

Direct Costs: $50,000

2008-2011 Prostate Cancer Foundation, Young Investigators Award (PI Mucci)

*Do dietary and lifestyle factors interact with the TMPRSS2:ERG fusion to predict progression*

 This patho-epidemiology study sought to examine the association between the *TMPRSS2:ERG* gene fusion and prostate cancer progression, as well as how lifestyle factors and genetic risk loci interact with the gene fusion to affect outcomes in men with prostate cancer. Role: Principal Investigator

Direct Costs: $225,000

2008-2013 National Institutes of Health/National Cancer Institute, R01CA131945 (PI Loda)

*Metabolic syndrome, fatty acid synthase, and prostate cancer*

This project integrated human and experimental studies to examine the role of metabolic syndrome in prostate cancer risk and progression, and to investigate the role of the de novo lipogenesis enzyme, fatty acid synthesis, in the interplay. Role: Co-Investigator

Direct Costs: $90,000

2008-2013 Harvard School of Public Health, Ellison Foundation (PI Mucci and Adami)

*Genetic and environmental contributions to cancer etiology and progression among 150,000 Nordic Twins*

 This project allowed the creation of the Nordic Twin Study of Cancer (NorTwinCan), which included almost 300,000 twins from Denmark, Finland, Norway, and Sweden. The goal of the study was to investigate the familial risk and heritability of cancers. Role: Co-Principal Investigator

Direct Costs: $400,000

2009-2012 Dana-Farber/Harvard Cancer Center Prostate SPORE, P50 CA90381, Full Project Award

*TMPRSS2:ERG and SPINK1 in Lethal Prostate Cancer*

This population-science project in the Dana-Farber SPORE in Prostate Cancer sought to determine clinical and etiological significance of two molecular events in prostate cancer, *TMPRSS2:ERG* and *SPINK1*. Role: Principal Investigator

Direct Costs: $125,000

2009-2014 National Institutes of Health/National Cancer Institute, RO1 CA136578 (PI Mucci)

*Sex hormones and the TMPRSS2:ERG fusion in prostate cancer progression*

This study investigated the role of sex steroid hormones, including circulating biomarkers, genetic variants, and tissue markers on prostate cancer mortality as a function of the common gene fusion event in prostate cancer, *TMPRSS2:ERG*. Role: Principal Investigator

Direct Costs: $250,000

2010-2011 Harvard Catalyst Pilot Award (PI Mucci)

 *Melatonin and Prostate Cancer: A biomarker study among men in the Reykjavik Cohort*

The goal of this study was to examine biomarkers of circadian rhythm, including urinary melatonin levels and genetic variants in circadian clock genes, and the risk of prostate cancer in an Icelandic Cohort. Role: Principal Investigator

Direct Costs: $50,000

2010-2012 Dana-Farber/Harvard Cancer Center Prostate SPORE, Full Project Award, NIH/NCI P50 CA90381 (PI Bubley)

*Biguanides for the treatment of prostate cancer*

This SPORE project used experimental models and epidemiological data to examine the potential of metformin for treatment of advanced prostate cancer, and assess the role of AMPK signaling as a targetable pathway. Role: Co-investigator and PI Subcontract

Direct Costs: $25,000

2010-2013 US Army Prostate Cancer Program, W81XWH-10-1-0552, Idea Development Award (PI Mucci)

*BRCA1 and Lethal Prostate Cancer*

The goal of this study was to examine the role of tumor protein expression of BRCA1(breast cancer 1)and risk of lethal prostate cancer, and assess its role in DNA repair and cell cycle regulation.Role: Principal Investigator

Direct Costs: $225,000

2010-2013 Icelandic RANNIS Foundation (PI Sigurdardottir)

*Melatonin and Prostate Cancer*

 This career development award supported a doctoral student at the University of Iceland to examine melatonin levels measured in prediagnostic urine and risk of prostate cancer. Role: Mentor

Direct Costs: $10,000

2010-2015 National Institutes of Health/National Cancer Institute R01 CA141298 (PI Stampfer)

*Growth factors and lethal prostate cancer signature*

This study sought to develop a molecular signature of lethal prostate cancer using whole genome mRNA profiling data, and to assess associations of circulating levels and genetic variants in the growth factor axis and risk of lethal cancer.

Role: Co-Investigator and PI Subcontract

Direct Costs: $228,000

2011-2012 Rose International Traveling Fellowship, Harvard TH Chan School of Public Health (PI Sarah Coseo Markt)

*Sleep, melatonin and prostate cancer in Iceland*

This travel award supported Sarah Markt to spend time with colleagues at the University of Iceland as part of her thesis project on sleep, circadian rhythm and prostate cancer. Role: Mentor

Direct Costs: $5,000

2011-2013 Dana-Farber/Harvard Cancer Center SPORE in Prostate Cancer, Mazzone Career Development Award (PI Wilson)

*Phosphorus and calcium intake, tumor microenvironment and prostate cancer progression*

The aim of this project was to investigate the association between pre- and post-diagnostic intake of phosphorus and calcium in prostate cancer progression, and assess associations of the dietary factors on tumor biomarkers. Role: Mentor

Direct Costs: $50,000

2011-2014 US Army Prostate Cancer Impact Award, PC101749 (PI Sweeney, Dana-Farber Cancer Institute)

*A Systems Biology Approach to Link Nuclear Factor Kappa B Activation with Lethal Prostate Cancer*

This study comprehensively examined biomarkers of nuclear factor kappa B (NFkappaB) and lethal prostate cancer in prostate cancer patient cohorts. The study integrated data on circulating biomarkers, tumor tissue expression, and genetic variants in genes and pathway defining NFkappaB activation. Role: Investigator and PI Subcontract

Direct Costs: $750,000

2012-2013 US Army Prostate Cancer Research Program, Post-doctoral Fellowship (PI Julie Kasperzyk)

*Prostate Cancer Tumor Heterogeneity*

The objective of this post-doctoral fellowship award was to support the training and research of the PI to investigate variability and heterogeneity of tumor tissue biomarkers in prostate cancer. Role: Mentor

Direct Costs: $90,000

2012-2013 Dana-Farber/Harvard Cancer Center, Mazzone Awards Program, Disparities Research Mechanism (PI Mucci)

*Estimating the Prostate Cancer Burden attributed to Lifestyle and Genetic Factors among African-American and White Men*

The goal of this proposal was to quantify the extent to which differences in the prevalence of lifestyle factors and genetic variants could explain the population attributable fraction associated with prostate cancer disparities. Role: Principal Investigator

Direct Costs: $100,000

2012-2013 Rose International Traveling Fellowship, Harvard TH Chan School of Public Health (PI Irene Shui)

*Prostate cancer in Ireland*

This travel award supported this post-doctoral fellow to spend time with colleagues at Trinity College, Dublin to undertake epidemiological studies of prostate cancer and to develop a short course on the patho-epidemiology of prostate cancer. Role: Mentor

Direct Costs: $5,000

2012-2014 Prostate Cancer Foundation, Challenge Award (PIs: Loda and Mucci)

*Shedding light on stromal-epithelial interactions in prostate cancer carcinogenesis and mortality*

This international and multidisciplinary project sought to identify and validate gene expression patterns in epithelial and stromal tissue associated with aggressive prostate cancer, and to develop bioinformatics tools for defining the cross-talk between the two compartments. Role: Co-Principal Investigator

Direct Costs: $1,000,000

2012-2014 Urology Care Foundation, Research Scholar Program (PI: Mark Preston)

 *Association between Finasteride and High-grade or Lethal Prostate Cancer*

The goal of this career development award was to support Dr. Preston, a urologic oncology fellow at MGH, too examine the association between finasteride and risk of high-grade or lethal prostate cancer in the Health Professionals Follow-up Study. Role: Mentor

Direct Costs: $50,000

2012-2015 Prostate Cancer Foundation, Young Investigator Award (PI: Stephen Finn, Trinity College, Ireland)

 *Identifying non-coding RNA repertoires of aggressive prostate cancer*

This career development award supported Dr. Stephen Finn at Trinity College, Dublin, to explore the expression of non-coding RNAs in tumor tissue and risk of lethal prostate cancer. Role: Co-Mentor

Direct Costs: $225,000

2012-2016 US Army Prostate Cancer Program Impact Award, PC112061 (PI: Platz, Johns Hopkins)­­­

*Telomere length and lethal prostate cancer*

This study sought to develop an automated algorithm for measuring tumor and stroma-associated telomere length in prostate tissue specimens using fluorescent in situ hybridization, and to apply this platform to prostate cancer patient cohorts to assess the prognostic significance of telomere length in lethal prostate cancer. Role: Investigator and PI Subcontract

Direct Costs: $180,000

2013-2015 Dana-Farber/Harvard Cancer Center, Mazzone Career Development Award (PI Jennifer Sinnott),

*Impact on Prognosis of Inter- and Intratumor Heterogeneity In Prostate Cancer*

This career development award supported this post-doctoral fellow to investigate the role of tissue biomarker heterogeneity, both within and across individuals, as prognostic biomarkers. Role: Mentor

Direct Costs: $50,000

2013-2016 Prostate Cancer Foundation, Young Investigator Award (PI Jennifer Rider)

*The Immunomodulatory and Androgen-Associated Actions of Vitamin D in Prostate Cancer*

 The aim of this career development award was to support the training and research of Dr. Rider focused on understanding two distinct pathways – immunomodulation and androgen signaling – as underlying the link between vitamin D and prostate cancer. Role: Mentor

Direct Costs: $225,000

2013-2019 Dana-Farber/Harvard Cancer Center SPORE in Prostate Cancer, National Cancer Institute/National Institutes of Health, P50 CA090381 (PI: Loda)

*Tumor and circulating markers as links between obesity and lethal prostate cancer*

This population science project within the DFHCC SPORE in Prostate Cancer aims to understand the mechanism underlying the link between obesity and lethal prostate cancer. The proposal integrates systemic and tissue-based biomarkers of metabolism and inflammation, and also integrates data on molecular subtypes of prostate cancer. Role: Project Leader

Direct Costs: $603,772

2014-2016US Army Prostate Cancer Program, Post-doctoral Fellowship (PI: Ericka Noonan Ebot)

*Molecular Epidemiology Investigation of Obesity and Lethal Prostate Cancer*

This post-doctoral award supported the training and research of the candidate to investigate tissue-specific biomarkers associated with obesity, and examine their role in lethal prostate cancer. Role: Mentor

Direct Costs: $90,000

2014-2016 American Cancer Society, Post-doctoral Fellowship (PI: Thomas Ahearn)

*TMPRSS2:ERG, insulin/IGF1 signaling axis and prostate cancer progression*

The goal of this post-doctoral fellowship award was to support the training and research of the candidate to investigate whether insulin and IGF1 signaling contribute to lethal prostate cancer among men whose tumors contain the common gene fusion event. Role: Mentor

Direct Costs: $100,000

2014-2016 National Institutes of Health/National Cancer Institute, R21 CA185787 (PI: Svitlana Tyekucheva)

*Statistical methods for tumor expression data from archival tissues in clinical and epidemiologic research*

The goal of this proposal is to develop new biostatistical methods to analyze transcriptome profiling data from archival tumor materials, and to develop a publically available software tool. Finally, the aim is to test these tools in a prostate cancer patient cohort with whole genome expression profiling data. Role: Co-Investigator and PI Subcontract

Direct Costs: $225,000

2014-2016 Dana-Farber/Harvard Cancer Center, Mazzone Awards Disparities Research Program

*Do Baseline Prostate Specific Antigen (PSA) Levels Predict Advanced Prostate Cancer in African-American Men?* (PI: Mark Preston)

The goal of this study was to examine whether pre-diagnostic levels of PSA accurately predict future risk of prostate cancer, particularly aggressive disease, in the Southern Community Cohort Study. Role: Co-Investigator

Direct Costs: $100,000

2014-2017 Prostate Cancer Foundation, Young Investigator Award (PI: Kathryn Wilson)

*Bone metabolism and bone metastases in prostate cancer*

This career development award was focused on investigating whether prostate tumors exhibit bone like features that facilitate the development of metastatic prostate cancer. Moreover, the goal was to assess whether obesity altered the tumor environment to influence the bone homing that is common in prostate cancer metastases. Role: Mentor

 Direct Costs: $225,000

2015-2016 Dana-Farber Cancer Institute Sponsored Research (PI: Mucci)

*International Registry to Improve Outcomes in Men with Advanced Prostate Cancer, IRONMAN*

This pilot funding supported the design and protocol development of an international registry of 5,000 men with advanced prostate cancer. Role: Principal Investigator

Direct Costs: $50,000

2016-2018 Harvard TH Chan School of Public Health, Career Incubator Award (PI: Mucci)

*Obesity, histone modifications and lethal prostate cancer*

 This pilot project seeks to test the hypothesis that excess body weight is associated with specific histone alterations that contribute to the transcriptional dysregulation of genes involved in tumor progression. Role: PI

Direct Costs: $50,000

2017-2018 DF/HCC SPORE in Prostate Cancer Mentored Award (PI: Sarah Markt)

*Circadian rhythm disruption and advanced prostate cancer*

This mentored career development award seeks to further investigate the hypothesis that disruption of the circadian system is a risk factor for advanced prostate cancer. The project leverages data across five unique cohorts and uses integrative molecular epidemiology approaches to investigate progression across the continuum of disease. Role: Mentor

Direct Costs: $85,935

2013-2019 National Institutes of Health/National Cancer Institute, R01 CA174206 (PI: Giovanni Parmigiani)

*Bioinformatics Tools for Genomic Analysis of Tumor and Stromal Pathways in Cancer*

The focus of this project is to develop new computational methods to identify unique signals of gene expression from tumor epithelium and stroma from admixture samples, and to develop methods to identify the cross-talk of transcriptional programs of the two compartments. Finally, the aim is to apply these tools to study the role of obesity on alterations in stromal gene expression. Role: PI Subcontract and Co-Investigator

Direct Costs: $100,645

2013-2019 National Cancer Institute/National Institutes of Public Health R01 CA179129 (PI: Kathryn Wilson)

*Bone metabolism and bone metastases in prostate cancer*

This proposal seeks to investigate tissue biomarkers and circulating markers associated with bone metabolism as predictors of lethal prostate cancer, and to study the association between lifestyle and dietary factors in relation to the biomarkers. Role: Co-Investigator

Direct Costs: $861,426

2016-2021 National Cancer Institute/National Institutes of Health, U01CA113913 (PI: Sanda)

*Harvard and University of Washington Prostate Cancer Biomarker Center*

This clinical validation center seeks to advance innovative assays to facilitate the detection of prostate cancer through meaningful application. Role: Co-Investigator and PI subcontract

Direct Costs: $124,526

2017-2020 Prostate Cancer Foundation Young Investigator Award (PI: Mark Preston)

*Improving risk prediction of aggressive prostate cancer using baseline PSA during midlife and inherited genetic variants in African-American and Caucasian men*

The goal of this mentored project is to devise smarter PSA screening strategies by comprehensively investigating the ability of baseline PSA along at midlife with inherited genetic variants to predict future risk of aggressive prostate cancer, with a focus on African-Americans populations. Role: Mentor

Direct Costs: $225,000

2017-2020 Prostate Cancer Foundation Young Investigator Award (PI: Konrad Stopsack)

*Cholesterol metabolism, statins and lethal prostate cancer*

The goal of this mentored project is to investigate the role of a key gene in cholesterol metabolism, SQLE in lethal prostate cancer. Moreover, to examine the interaction between SQLE, statins and risk of lethal disease. Role: Co-Mentor

Direct Costs: $225,000

2016-2020 National Cancer Institute/National Institutes of Health, R01 R01CA202690 (PI: Mucci)

*Circadian disruption and risk of prostate cancer in a multiethnic cohort*

The study aims to investigate circadian disruption as a risk factor for prostate cancer in a multiethnic cohort. The study integrates a molecular epidemiology approach to evaluate common variation in circadian related genes, urinary levels of melatonin and sleep data. Role: PI

Direct Costs: $670,961

2018-2022 Stand Up 2 Cancer (SU2C)/American Association for Cancer Research (PI: Irene Ghobrial)

*Predicting progression of developing Myeloma in a High-Risk screened population (PROMISE)*

Multiple Myeloma is a fatal plasma cell cancer characterized by bone marrow infiltration and lytic bone lesions. Multiple myeloma almost always progresses from precursor states of monoclonal gammopathy of undetermined significance (MGUS)/smoldering multiple myeloma (SMM) to overt cancer. We propose to establish is a prospective cohort of patients with MGUS/SMM identified by screening a high-risk population (defined as those of African-Americans descent or individuals with first-degree relatives). The collection and integrated analysis of matched biological samples (bone marrow and blood), longitudinal clinical data (progression to myeloma, pre-existing clinical characteristics and comorbidities), and questionnaire data is designed to assess biological and clinical risk factors for progression. The aims are to determine clinical/genomic alterations present in individuals with monoclonal gammopathies who are diagnosed through screening of a high-risk population, and to determine clinical/genomic/epigenetic and immune environmental predictors of progression to myeloma in patients with monoclonal gammopathies. Role: PI Subcontract.

Direct Costs: $904,690

2020-2022 National Cancer Institute Administrative Supplement (PI: Mucci)

 *Cancer Epidemiology Cohort in Male Health Professionals*

 This administrative supplement to the Health Professionals Follow-up Study U01 grant brings together six NCI-funded cancer epidemiology cohorts to look at the association between geocoded measures of exposure to light at night and circadian rhythm in relation to risk of prostate cancer.

Direct Costs: $150,000

2021-2022 Janssen Pharmaceuticals (PI: Mucci)

 *HRR HOPE Study*

This is a pilot project to assess feasibility to examine men with metastatic prostate cancer in the Health Professionals Follow-up Study. The goal is to examine the quality of epidemiologic, clinical, and quality of life data for men diagnosed or who progress to metastatic disease. In addition, we will assess DNA repair pathway mutations leveraged from whole exome sequencing data from prostate tumors.

2013-2023 National Institutes of Health/National Cancer Institute, R25 CA174664 Institutional Training and Education Grant (PI: Lorelei Mucci)

*Integrative Molecular Epidemiology Workshop*

The goal of this training and education grant is to support an annual one-week educational workshop to train the next generation of cancer researchers with skill sets integrating biology and epidemiology. Role: Co-Director and Faculty Mentor

Direct Costs: $180,000

2018-2023 The Bridge Project of MIT and Dana-Farber/Harvard Cancer Center (PI: Mucci and Amon)

  *Credentialing aneuploidy as a prognostic biomarker in prostate cancer*

In preliminary studies, we developed a computational algorithm that defined aneuploidy using transcriptomic profiling data within the Cancer Genome Atlas. In applying the algorithm to 400 prostate cancer patients, we found that extent of prostate tumor aneuploidy was a strong predictor of lethal prostate cancer beyond clinical factors. This Bridge Project brings together researchers across MIT and DFHCC to expand these findings in both population and experimental science projects. In aim 1, we will validate the tumor aneuploidy findings in a cohort of men with access to prostate biopsy specimens. In aim 2, we will undertake experiments within 2-D and 3-D systems to investigate the molecular consequences of aneuploidy in prostate cancer. Role: co-PI

 Direct Costs: $800,000

2018-2023 Prostate Cancer Foundation Challenge DNA Repair (PI: Kantoff, Mucci, Pomerantz)

*The Impact of DNA Damage Repair Abnormalities in Prostate Cancer*

It is increasingly apparent that pathogenic variants in DNA damage repair (DDR) pathways are associated with aggressive forms of PC5. In this project, we will determine the association between inherited DDR variation and clinical outcome in localized high-risk PC patients. By identifying DDR variants that confer a more aggressive phenotype within the high-risk PC population, our findings could substantially change clinical practice. Genetic screening of all high-risk patients for deleterious variants (Aim 1) would help determine prognosis and identify men who could benefit from a more aggressive and tailored approach to treatment, especially in light of emerging data regarding DDR variants and sensitivity to poly ADP ribose polymerase (PARP) inhibition and platinum chemotherapy. Finally, we will model how clinical and cost/benefit implications of this proposal would translate into clinical practice (Aim 2). Role: PI Subcontract and co-investigator.

Direct Costs: $199,885 (no cost extension)

2019-2024 Prostate Cancer Foundation Challenge Clonal Hematopoesis (PI: Kantoff, Mucci, Berger)

*Clonal Hematopoiesis in Prostate Cancer*

Clonal hematopoiesis (CH) is a biological state of blood cells that was initially recognized as a strong risk factor for myeloid malignancies and more recently, for cardiovascular disease. In our proposed study, we break new ground by defining the impact of CH on patients with prostate cancer. The proposed aims will be first-in-field research on the impact of CH on adverse outcomes among patients with both localized and advanced prostate cancer. This risk factor will be directly actionable, as CH is likely driven by treatment choices that patients and physicians make. No study to date has investigated whether the presence of CH increases risks of cancer-specific or cardiovascular outcomes among men with prostate cancer, nor whether specific treatments accelerate progression of CH in men with prostate cancer. As such, while grounded in solid preliminary data from Memorial Sloan Kettering Cancer Center (MSK), our hypothesis is completely novel and has never been tested before Role: co-PI and PI Subcontract.

Direct Costs: $249,261 (No cost extension)

2020-2024 Zhu Center for Global Cancer Prevention PEER Award (PI: Mucci)

*Prediagnostic tissue biomarkers in prostate cancer*

Our scientific premise is that tissue biomarkers in negative prostate biopsies hold translational potential to improve classification of patients at low and high-risk of prostate cancer. We will develop a novel repository of negative prostate biopsies within the Health Professionals Follow-up Study to identify early-detection biomarkers. We will sample 500 men from >9,600 who have had a negative prostate biopsy, of whom 250 ultimately were diagnosed with cancer during a median 14.5-years follow-up and 250 cancer-free controls. Specifically, we will: Aim 1: Examine histologic biomarkers of inflammation and future prostate cancer risk. Aim 2: Use RNAseq to identify genes and pathways in prostate epithelial and stromal tissue associated with future cancer risk.

Direct Costs: $200,000 (No cost extension)

2018-2023 National Cancer Institute (R25 CA 174664, PI Mucci)

 *Integrative Molecular Epidemiology Workshop*

This grant supports an annual workshop in partner ship with the American Association for Cancer Research (AACR). The Integrative Molecular Epidemiology Workshop is an innovative, unique, and intensive one-week educational experience to accelerate the training of the next generation of cancer researchers who must be well-skilled in the integration of biology and epidemiology in studies of etiology and outcome.

Direct Costs: $207,685

2021-2023 Astra Zeneca (co-investigator and site PI)

 *NYBAZ Study of DNA Repair*

 This project is a partnership between Astra Zeneca, Dana-Farber Cancer Institute, Harvard Chan School, Memorial Sloan Kettering Cancer Center, and Columbia University. It involves whole exome sequencing of prostate cancer patients to identify the role of germline variation in DNA repair pathways and other rare variants on prostate cancer survival.

**CURRENT FUNDED GRANTS:**

2015-2032 National Institutes of Health/National Cancer Institute, P30 CA006516 (PI: Laurie Glimcher)

*Dana-Farber/Harvard Cancer Center Support Grant*

The aim of the Cancer Epidemiology Program is to support program members to undertake studies of cancer etiology and facilitate the translation of this research into prevention strategies. Role: PI Subcontract and Cancer Epidemiology Program Leader

* On P30 Renewal, Cancer Epidemiology received a score of “Exceptional Merit”

Direct Costs: $373,985

2015-2027 National Institutes of Health/National Cancer Institute, U01 CA167552 (PIs: Willett and Mucci)

 *Cancer Epidemiology Cohort of Male Health Professionals*

 The aim of this cohort infrastructure grant is to support the continued follow-up of the Health Professionals Follow-up Study, including biorepositories, follow-up forincidence and mortality, questionnaires, and participation in consortia. Role: co-PI

Direct Costs: $1,242,965

2022-2026 Prostate Cancer Clinical Trials Consortium (PI: Mucci)

*IRONMAN: International registry to improve outcomes in men with advanced prostate cancer*

IRONMAN is a global registry of 5,000 men with advanced prostate cancer being recruited from 8 countries. The overarching goals are to understand the optimal patterns of drug therapies in advanced prostate cancer, to gain understanding of the quality of life detriments among these men, and to identify novel biomarkers that are associated with response to therapy and overall survival. Role: PI

Direct Costs: $959,317

2018-2024 National Cancer Institute/National Institutes of Health (PI: Kathryn Penney)

*Comprehensive characterization of prostate stromal gene expression and association with lethal prostate cancer*

The pressing need to distinguish potentially lethal from indolent prostate cancer is usually approached by attempting to identify genomic predictors in the malignant epithelial tissue. However, from extensive cell biology research, it is known that the microenvironment plays a critical role in cancer progression, though a deeper understanding of the mechanism is needed. In this proposal, we will study gene expression of the prostate microenvironment to improve the understanding of its impact on the biology of the tumor and to augment previously proposed genomic predictors of lethal prostate cancer by developing a gene expression signature from the stromal tissue. Role: PI Subcontract

Direct Costs: $162,675

2019-2025 P01 DNA Repair (PI: Kantoff)

*The Impact of DNA Damage Repair Abnormalities in Prostate Cancer*

The scientific premise of this proposal is that germline and somatic variations in the DDR pathways identify a more aggressive form of disease within the high-risk PC population, suggesting that men with high-risk PC require genetic screening at the time of diagnosis and that carriers require treatment regimens distinct from patients who similarly presenting with high-risk disease, but are non-carriers. Further, we hypothesize that these molecular pathways similarly affect risk of aggressive PC in men of African ancestry, possibly with genetic profiles distinct from men of European ancestry. We have access to several unique and complementary cohorts which will enable us to rigorously address these questions: a large hospital-based case cohort at the Dana-Farber Cancer Institute (DFCI) with deep clinical annotation (the DFCI Gelb cohort), well-characterized population based cohorts at the Harvard T. H. Chan School of Public Health [Physicians’ Health Study (PHS) and Health Professionals Follow-up Study (HPFS), and to reproduce findings with ongoing prospective clinical cohorts (at Memorial Sloan Kettering Cancer Center, MSK, DFCI and University of Cambridge), and an expansive cohort that includes biologic samples from hundreds of African American men [Multiethnic Cohort (MEC)]. Role: PI Subcontract and co-Investigator.

Direct Costs: $579,722

2022-2024 Prostate Cancer Foundation (Co-PI)

 *IRONMAN-A novel study of advanced prostate cancer survivorship*

 This study aims to understand the survivorship experience of patients with advanced prostate cancer, either metastatic, hormone sensitive prostate cancer or castration resistant disease. We will explore the patient reported outcomes of patients, both as outcomes and as predictors of survival. We will investigate potential disparities in survivorship and opportunities for intervention. Finally, we will investigate treatment decision making among patients with metastatic hormone sensitive prostate cancer.

Role: Contact PI

Direct Costs: $500,000

2022-2025 Department of Defense (W81XWH2210585: PI Labbe)

 *Precision nutrition increases efficacy of DNA-damaging therapies in prostate cancer*

This multidisciplinary study seeks to investigate the role of dietary fat on lethal prostate cancer and response to therapy. The study examines prostate cancer patients as well as experimental models.

Role: PI Subcontract and co-Investigator.

Total Award Amount (including Indirect Costs): $185,141

2023-2028 National Cancer Institute (P50CA272390: PI Beltran)

*PDF/HCC SPORE in Prostate Cancer Project 3. Dissecting and Predicting Lethal Prostate Cancer using Biologically Informed Artificial Intelligence.*

This project is part of the larger DF/HCC SPORE in Prostate Cancer application. The goal is to use artificial intelligence approaches applied to tumor, germline, and EMR data in prostate cancer.

Role: Co-Investigator and subcontract PI

Direct Costs: $98,851

2023-2028 National Cancer Institute (P50CA272390: PI Beltran)

*DF/HCC SPORE in Prostate Cancer,* Cancer Enchancement Program.

This project is part of the larger DF/HCC SPORE in Prostate Cancer application. This would support the Career Enhancement Program of the SPORE.

 Role: Co-Leader

Total Award Amount (including Indirect Costs): $98,851

2023-2028 National Cancer Institute (U01 CA268810, PI: Kibel)

*Polygenic risk stratification combined with mpMRI to identify clinically relevant prostate cancer*

The premise of this proposal is that an optimal early detection strategy to identify clinically relevant prostate cancer will involve a two-tiered algorithm that leverages inherited genetic information to determine who is at risk for prostate cancer followed by MRI imaging to determine which of these high risk patients has clinically relevant disease. We propose to test this premise by implementing a polygenic risk score in men and conducting a prospective trial among 1,500 men with MRI to prove the two-tiered algorithm works.

Role: Co-Investigator and Subcontract PI

Direct costs: $540,039

2023-2028 National Cancer Institute (R37CA275914: PI Stopsack

*Etiologic heterogeneity between molecular subtypes of prostate cancer*

While indolent prostate cancers may have no deletions or gains of chromosome arms (aneuploidy), aggressive prostate cancer tends to have a substantial aneuploidy burden. This proposal seeks to address the following hypotheses: that prostate cancer risk factors may lead to tumor aneuploidy; that aneuploid tumors thrive in a less pro-immunogenic tumor microenvironment; and that aneuploidy in the tumor and in tumor-adjacent, histologically normal-appearing tissue allows for early detection of aggressive prostate cancer.

Role: Co-Investigator and Subcontract PI

Total Award Amount (including Indirect Costs): $188,901

2024-2029 National Institutes of Health (R01DK138036: PI Patorno)

*Novel approaches to improve comparative effectiveness research of medical and surgical weight reduction strategies in clinical practice*

While several medical and surgical weight reduction strategies are available, little is known about their safety and effectiveness in clinical practice. This proposal’s goal is to develop, implement, and test approaches to produce large scale, high-quality evidence on the safety and effectiveness of medical and surgical weight loss strategies in clinical practice. This work will help us develop more accurate, methodologically rigorous approaches to conduct real world evidence studies of weight reduction strategies using large scale, real-world data.

Role: Co-Investigator and Subcontract PI

Total Award Amount (including Indirect Costs): $216,970

2025-2030 National Institutes of Health (U54AG089325: PI Wang)

*VIRO-DiUS: Virome Investigation in Diverse US Populations: Admin Core*

Major Goals: Drs. Eric Rimm, Lorelei Mucci and Jorge Chavarro will join the Administrative Core to ensure that the proposed aims in the Virome Characterization Center application are well-coordinated across the Health Professionals Follow-Up Study, the Nurses' Health Study III and the Growing Up Today Study.

Total Award Amount (including Indirect Costs): $1,992,645

2025-2027 Prostate Cancer Foundation (PI: Mucci, Loeb)

*Plant-Based Dietary Patterns and Advanced Prostate Cancer*

The investigators at the Harvard TH Chan will oversee all scope of work related to activities in Aims 1 and 2 within the Health Professionals Follow-up Study. They will be responsible for the study design, data analysis, and interpretation of findings. In addition, they will provide input on the dietary work on the Southern Community Cohort Study and will also undertake statistical analyses to achieve the aims. They will ensure completion of activities related to genotyping of cases and controls and integrating the genetic and cohort results for this project.

Total Award Amount (including Indirect Costs): $384,094

**PENDING GRANTS:**

 2022 R01 NCI: IRONMAN Study of Advanced Prostate Cancer Survivors (Role – PI)

 2023 R35 NCI: Outstanding Investigator Award (Role – PI), Impact Score 13

 2022 R01 Etiology and implications of tumor aneuploidy in prostate cancer (Role – co-investigator) – to be resubmitted in February 2023

**TEACHING AND TRAINING**:

TEACHING IN HARVARD CHAN SCHOOL COURSES:

1999 *EPI200: Introduction to Epidemiology*

 Teaching Assistant

 110 Students; 55 hours/year

1999-2002 *Epidemiology of Infectious Disease*

Teaching Assistant; Senior Teaching Assistant

 50 Students; 55 hours/year

2000-2001 *Epidemiological Analysis of Outbreaks and Infectious Disease*

Teaching Assistant

 50 Students; 55 hours/year

2000-2002 *EPI255 and EPI256: Epidemiology of HIV/AIDS*

Senior Teaching Assistant

 40 Graduate Students; 50 hours/year

2000-2002 *EPI 204: Analysis of Case-control and Cohort Studies*

Senior Teaching Assistant

 90 Graduate Students; 120 hours/year

2004-2005 *EPI224: Cancer Prevention*

 Guest Lecturer

 40 Graduate Students; 20 hours/year

2005 *EPI257: Advanced Topics in Cancer Epidemiology*

Course Instructor (with Jing Ma)

 10 Graduate Students; 60 hours/year

2006-2007 *EPI294: Screening*

Course Instructor

 40 Graduate Students; 160 hours/year

2006-2017 *EPI246: Applied Biomarkers in Cancer Epidemiology*

Guest Lecturer

 15 Graduate Students; 20 hours/year

2007-2013 *EPI205: Practice of Epidemiology*

 Course Instructor

20 Graduate Students, 60 hours/year

2007-pres *EPI213: Epidemiology of Cancer*

Course Instructor

35 Graduate Students, 100 hours/year

2009 *ID510: Nutritional Epidemiology of Cancer*

Guest Lecturer

15 Graduate Students, 15 hours/year

2012-2014 *EPI208: Clinical Epidemiology, Clinical Effectiveness Program*

Workshop Leader

4 Graduate Students, 5 hours/year

2014 *Summer Program in Quantitative Sciences*

T32 Funded Summer Training Program

Guest Lecturer

2014-2016 *Summer Program in Epidemiology*

 Student Mentor

 3 Undergraduate Students

2014-2017 *WGH211: Gender and Health: Introductory Perspectives*

 Guest Lecturer

 20 Graduate Students, 10 hours/year

2015 *ID 201: Core Biostatistics and Epidemiology for Public Health Practice*

 Guest Lecturer

 80 Graduate Students, 10 hours/year

2015 *EPI510: Global Epidemiology of Cancer*

 Guest Lecturer

 15 Graduate Students, 10 hours/year

2018 *EH289: Environmental Epigenetics*

 Guest Lecturer

 5 Graduate Students, 10 hours/year

2019 *EPI246: Applied Biomarkers in Cancer*

 Guest Lecturer

 15 Graduate Students, 10 hours/year

2021 *Independent Study: Cancer Prevention*

 Course Instructor

 5 Graduate Students, 20 hours/year

2021 *EPI246: Applied Biomarkers in Cancer*

 Guest Lecturer

 15 Graduate Students, 10 hours/year

2022 *EH 520: Research Design in Enviromental Health*

 Faculty Discussant

 15 Graduate Students, 3 hours/year

2023 *EPI246: Applied Biomarkers in Cancer*

 Guest Lecturer

 15 Graduate Students, 10 hours/year

2024 MPH in Epidemiology Program

 Guest Lecturer

 30 Graduate Students

TEACHING IN OTHER HARVARD COURSES:

2010 *Molecular Pathology Bootcamp, Harvard Medical School*

Guest Lecturer

10 Graduate Students, 10 hours/year

2011-2013 *Molecular Pathology and Epidemiology Bootcamp, Harvard Medical School*

Co-course Leader (with Dr. Massimo Loda)

2012-2013 *PH207x. Health in Numbers: Quantitative Methods in Clinical and Public Health Research, edX of Harvard and MIT*

Guest Lecturer

2019 *Cancer Epidemiology*

Global Education High Impact Cancer Research, Harvard Medical School

Guest Lecturer

2020 The Epidemiology of Cancer

Global Education High Impact Cancer Research, Harvard Medical School

Guest Lecturer

TEACHING COURSES AT OTHER INSTITUTIONS:

2003 *Design Issues in Epidemiology, Boston University School of Public Health*

 Guest Lecturer

 8 Graduate Students; 15 hours/year

2004  *Cancer Epidemiology, Boston University School of Public Health*

Course Instructor/Director

 10 Graduate Students; 120 hours/year

2006 *Cancer Epidemiology and Biomarkers, Modern Methods in Biostatistics and Epidemiology, Cison di Valmarino, Italy*

 Course Instructor/Director

 12 Graduate students, 60 hours/year

2007-2008 *Design and Analysis of Case-control Studies, Modern Methods in Biostatistics and Epidemiology, Cison di Valmarino, Italy*

 Course Instructor/Director

 16 Graduate students, 60 hours/year

2009 *Design of Case-control Studies and Cohort, Modern Methods in Biostatistics and Epidemiology, University of Iceland, Reykjavik, Iceland*

 Course Instructor/Director

 25 Graduate Students, 60 hours/year

2011 *Translational Research using Bioinformatics and Epidemiology, Kings College, London, UK*

Course Instructor

20 Graduate Students, 20 hours/year

2012 *Study Design in Epidemiology Research: Case-control Studies, University of Iceland, Reykjavik*

 Guest Lecturer

35 Graduate Students, 20 hours/year

2013 *Integrative methods for prostate cancer research: bridging molecular and population science, Molecular Medicine Ireland, Trinity College, Dublin*

Course Instructor

50 Graduate and Medical Students, 8 hours/year

2019 *Integrative Molecular Epidemiology, Modern Methods in Biostatistics and Epidemiology, Cison di Valmarino, Italy*

 Course Instructor/Director

 16 Graduate students, 60 hours/year

TEACHING IN EXECUTIVE AND CONTINUING EDUCATION COURSES:

2011- *American Association for Cancer Research Integrative Workshop on Molecular Epidemiology*

Workshop Faculty Member

2015- Workshop Co-Director

50 Graduate Students, Post-docs, junior faculty, 40 hours/year

2016, 2018 *Bienniel Jerome P Richie Urologic Oncology Course*

2021, 2022Course Faculty Member

 180 Urologists, Medical Oncologists, Physicians, 10 hours/year

2017 *2nd International Prostate Cancer Symposium and Inaugural World Congress of Urologic*

*Oncology*

New York, NY

Course Faculty Member

200 Urologists, Medical Oncologists, Radiation Oncologists, Physicians, 10 hours/year

2019 *XXIV Workshop Urologia Oncologica – Multidisciplinary Genitourinary Course*

 Lisbon, Portugal

 Course Faculty Member

150 Urologists, Medical Oncologists, Radiation Oncologists, Physicians, 10 hours/year

2023 *Prostate Cancer Clinical Masterclass Series*

 Virtual

 Course Faculty Member

 >500 Urologists, Medical Oncologists, Radiation Oncologists, other Physicians

2023 Prostate Cancer Foundation Thought Leaders of the Future

 Los Angeles, California

 Course Faculty Member

 80 Urologists, Medical Oncologists, Radiation Oncologists, Pathologists

ADVISORY AND SUPERVISORY RESPONSIBILITIES:

*Training Name Current Position*

2004-2006 Stephanie Bakaysa, MD Attending Physician

MPH Student Newton-Wellesley Hospital, MA

2004-2007 Katja Fall, MD, PhD Professor

Post-doctoral Fellow University of Orebro, Sweden

2005-2008 Christine Jesser, ScD Director of Research Enterprise

SD Student (Primary Mentor) Ascension Texas

2005- Kathryn Wilson, ScD Senior Research Scientist

SD Student (Secondary Mentor) Harvard T.H. Chan School of Public Health

Post-doctoral fellow (Mentor)

2006-2007 Patravoot Vatanasapt, DMD Chairman of Otolaryngology,

 MPH (Advisor) Khon Kaen University

2006-2015 Jennifer (Stark) Rider, ScD Senior Director

SD Student (Secondary Mentor) Aetion

Post-doctoral Fellow (Mentor)

Junior faculty (Mentor)

2007-2008 Ioannis Rigas, MD, MPH

 MPH Student (Advisor)

2007-2008 Julia Hayes, MD, MPH Attending Medical Oncologist

 MPH Student (Advisor) Dana-Farber Cancer Institute

2007-2010 Aditi Hazra, PhD Assistant Professor

Postdoctoral Fellow (2nd Mentor) Harvard Medical School

2007-2012 Mara Meyer Epstein, ScD Associate Professor

 Doctoral Student (Advisor) University of Massachusetts

 Post-doctoral Fellow (Mentor) Medical Center

2007-2015 Irene Shui, ScD Senior Scientist

 Doctoral Student (Advisor) Merck

 Post-doctoral Fellow (2nd Mentor)

2008 Keerthana Gnanapradeepan Scientist

 Continuing Umbrella of Research CAMP4 Therapeutics

 Experience (CURE) (Mentor)

2008-2009 Shih-Wen Lin, PhD, MPH Epidemiologist

 MPH Student (Advisor) Genentech

2008-2009 Michaela Cada, MD, MPH Associate Professor of Pediatrics

 MPH Student (Advisor) University of Toronto

2008-2010 David Wheeler, PhD, MPH Associate Professor of Biostatistics

 MPH Student (Advisor) Virginia Commonwealth University

2009-2010 Danielle Margalit, MD, MPH Associate Professor of Radiation Oncology

 MPH Student (Mentor) Dana-Farber Cancer Institute

 Clinical Fellow (Mentor)

2009-2010 Annette Kaufman, PhD, MPH Program Director, Tobacco Control

 MPH Student (Advisor) National Cancer Institute

2009-2012 Wang Xiang Brilent, Inc

 Doctoral Student (Advisor) Data Analytics Fellow

2009-2014 Rebecca Graff, ScD Assistant Professor

 SD Student (Advisor) University of California, San Francisco

2009-2015 Lara Sigurdardottir, PhD Researcher

 PhD Student (University of Icelandic Cancer Society

 Iceland; Co-Mentor)

2010-2011 Piotr Zareba, MD, MPH Assistant Professor

 MPH Student (Advisor) McMaster University

2010-2011 Tryggvi Thorgeirsson, MD, MPH Attending Physician

 MPH Student (Advisor) University of Iceland

2010-2012 Andreas Pettersson, MD, PhD Associate Professor, Medical Oncology

 Post-doctoral Fellow (Mentor) Karolinska Institutet, Sweden

2010-2013 Elisabete Moller, PhD Nutritionist

 Doctoral Student Swedish Association of Professional

 (Karolinska Inst; Co-Supervisor) Scientists

2010-2016 Jennifer Sinnott, PhD Associate Professor of Biostatistics

 PhD Student (Thesis Committee) The Ohio State University

 Post-doctoral Fellow (Mentor)

2010-2018 Sarah Coseo Markt, ScD Director-Oncology

 SD Student (Advisor) Merck

 Post-doctoral Fellow (Mentor)

2011-2012 Henry Park, MD, MPH Associate Professor, Vice Chair of Clinical

 MPH Student (Advisor) Research

 Yale University Medical School

2011-2012 Yen Chien

 MPH Student (Advisor)

2011-2012 Sun Mi Yoo, MD, MPH Medical Director, Internal Medicine

 MPH Student (Advisor) University of California, Los Angeles

2011-2013 Jonathan Schoenfeld, MD, MPH Associate Professor of Radiation Oncology

 MPH Student/Clinical Fellow Dana-Farber Cancer Institute

 (Mentor/Research advising)

2011-2016 Mark Preston Associate Professor of Surgery and Attending

 MPH student and Clinical Fellow Physician

 at MGH (Research advising) Mass General Brigham, Harvard Medical School

2012 Gregory Judson, MD Attending Physician, Internal Medicine

 MD student, Columbia Maine Health

 (Faculty Mentor)

2012-2013 Ardalan Ebrahimi, MD, MPH Associate Professor of Surgery

 MPH Student (Advisor) Canberra

2012-2014 Travis Gerke, ScD Director of Data Science

 SD Student (Mentor) Prostate Cancer Clinical Trials Consortium

 Memorial Sloan Kettering Cancer Center

2012-2014 Alejandro Sanchez, MD Assistant Professor of Urology

 Resident in Urology, University of Utah/Huntsman Cancer

 Massachusetts General Hospital Center

 (Research Mentor)

2012-2016 Thomas Ahearn, PhD Staff Scientist

 Post-doctoral Fellow (Mentor) National Cancer Institute

2012-2019 Ericka (Noonan) Ebot, PhD, MPH Senior Scientist

 Post-doctoral Fellow (Mentor) Foundation Medicine

2013-2014 Kimberly Mak, MD, MPH Assistant Professor in Radiation Oncology

 MPH Student and Resident Boston Medical Center

 at BWH (Research advising)

2013-2014 Kazusa Ishii, MD, MPH Physician Scientist Early Investigator

 MPH student (Mentor) National Cancer Institute

2013-2014 Sigrid Carlsson, MD, PhD Associate Professor and Urologist

 MPH student (Research mentor) Memorial Sloan Kettering Cancer Center

2013-2018, Claire Hampton Pernar, MS Epidemiologist

 ScD Student (Mentor) Optum Health

2018-2019 Post-doctoral Fellow

2019-2021 Research Scientist

2014 Lorenzo Richiardi, PhD Professor of Epidemiology

 Fulbright Scholar, HSPH University of Turin, Italy

 (Faculty mentor)

2014-2015 Vicente Morales Oyarvide, MD Assistant Instructor

 MPH Student (Advisor) University of Texas Southwestern

2014-2015 Taylor Medwig Postdoctoral Fellow

 Undergraduate student Stony Brook University

 Summer Program in Epidemiology

 (Research advising)

2014-2015 Christopher Allard, MD Attending Urologist

 MPH Student and Urologic Oncology Clinical Assistant Professor

 Fellow at MGH/DFCI McMaster University

 (Research advising)

2014-2015 Alexandra Greenberg, PhD Senior Medical Writer

 MPH Student (Research mentor) Boston Scientific

2014-2016 Reginald Tucker-Seeley, PhD Assistant Professor and Schneider Chair

 Assistant Professor (K01 mentor) in Gerontology

 University of Southern California

 Chief Diversity Officer

 Zero Prostate Cancer

2014-2016 Masis Isikbay Resident in Radiology

 Harvard Medical School student University of California at San Francisco

 (Research mentor)

2014-2016 Barbara Dickerman, PhD Assistant Professor

 SM2 Student (Advisor) Harvard T.H. Chan School of

2016-2018 PhD Student (Advisor) Public Health

2022-pres Assistant Professor of Global Cancer

 Prevention

 (Faculty Mentor)

2014-2016 Sarah Lucht, SM Post-doctoral Fellow in Epidemiology

 SM2 Student (Advisor) University of Minnesota

2014-2016 Lauren Barber, SM Postdoctoral Fellow

 SM2 Student (Research Mentor) Emory University School of Public Health

2014-2016 Sarah Legge, ALM Teacher

 ALM Student, Harvard University Massachusetts School system

 Extension School

 (Thesis Director)

2014- Konrad Stopsack, MD Assistant Professor

 MPH Student (Research Mentor) Clinical Translational Epidemiology Unit

2015-2022 Research Associate (Secondary Mentor) Massachusetts General Hospital

 Memorial Sloan Kettering Cancer Center Harvard Medical School

2015-2016 Vitor Moutinho da Coneicao Junior, MD Post-doctoral Fellow

 SM1 Student (Advisor) Dana-Farber Cancer Institute

2015-2016 Hsi Yen, MD

 MPH Student (Advisor)

2015-2016 Cendrine Robinson, PhD Chief Diversity Officer

 MPH Student (Advisor) National Institute on Deafness and other

 Communication Disorders

2015-2018 Emma Allott, PhD Senior Lecturer

 Research Mentor Queen’s College, Belfast

 John Fitzpatrick Fellowship

 Boston-Irish Prostate Cancer

 Collaboration

2016-2017 Kristen Pluchino, PhD Clinical Team Leader

 MPH Student (Mentor) US Food and Drug Administration

2016-2017 Sabrina Tsang, PhD Clinical Scientist

 MPH Student (Advisor) Merck

2016-2017 Suna Park Senior Manager

 SM2 Student (Mentor) Takeda

2016-2017 Nadine Hamieh Post-doctoral Fellow

 Visiting Student, American University INSERM

 of Lebanon

 (Research Advising)

2016-2017 Dana Hashim, PhD Assistant Professor

 Research Fellow Norwegian Cancer Registry

 (Research Advising)

2017 Brendan Rowen Medical Student

 MD Student, University College, Dublin University College, Dublin

 Research Advising

2017-2018 Cindy Zhou, PhD Epidemiologist

 Post-doctoral Fellow (Mentor) National Cancer Institute

2017-2018 Dongzhengyan An

 SM2 Student (Advisor)

2017-2018 Christopher Sauer Physician-Data Scientist

 MPH Student (Advisor) University of Essen

2017-2018 Michael Liu

 MPH Student (Advisor)

2017-2019 Junkun Ren PhD Candidate

 SM2 Student (Advisor) Massachusetts Institute of Technology

2018 Chang Lu

 MPH Student (Research Mentor)

2018 Latifa Bazza Epidemiologist

 MPH Student, University of Michigan University of Michigan

 (Summer Research Mentor)

2018-2019, Yiwen Wang, SM2 Post-doctoral Fellow

2019-2023 SM2 Student (Research Mentor) Harvard Chan School

 PhD Student (Research Mentor)

2018-2019 Charlie Zhou, MD Consultant

 MPH Student (Advisor) MacKenzie

2018-2019, Emily Rencsok

2019-pres MD/PhD Student, Harvard Medical School

 (Research Advisor)

 PhD Student, Harvard University

 (Primary Mentor)

2018-pres Mingyang Song, MD, ScD

 Assistant Professor of Epidemiology

 Harvard Chan School of Public Health

 (Secondary Faculty Mentor)

2018-2023 Kathryn Barry, PhD, MPH Assistant Professor

 University of Maryland (K07 Co-Mentor) University of Maryland

2018-2021 Benjamin Fu, PhD Staff Scientist

 Post-doctoral Fellow Bristol Meyers Squib

 (Primary Mentor)

2018-2023 Ilkania Chowdhury-Paulino, MS Epidemiologist

 PhD Student, Harvard Chan School Gradient Health

 (Primary Mentor)

2018-2020 Christian Fankhauser, MD Urologist

 Clinical Effectiveness Program University of Manchester

 (Research Mentor)

2019 Victor Nhilziyo Resident

 Visiting Scholar Walter Reed Medical Center

 (Research Mentor)

2019-2021 Xiaoshuang Feng Scientist

 Visiting Scholar International Agency for Research

 Research Mentor on Cancer

2019-2020 Carl Ceraolo Resident in Urology

 MPH in QM Student Rochester University School of Medicine

 Harvard Chan School

 (Primary Mentor)

2019-2020 Lu Zhu Research Associate

 SM2 Student, Harvard Chan School Harvard Chan School

 (Research Mentor)

2019-2020 Mirzya Haider Senior Research Analyst

 MPH in Epidemiology Center for Health Information and

 (Research Advisor) Analysis

2020-2023 Rachel Nethery, PhD Assistant Professor of Biostatistics

 Assistant Professor of Biostatistics Harvard Chan School of Public Health

 Harvard Chan School of Public Health

 (Advisory Committee, K Award)

2019-2021 Eleni Rettig, MD

 Assistant Professor of Surgery

 Brigham and Women’s Hospital

 (Research Mentor)

2020-pres Naiyu Chen

 PhD in Population Science (Epidemiology)

 Harvard Chan School

 (Advisor and Primary Mentor)

2020-2022 Colleen McGrath

 SM2 Student, Harvard Chan School

2022-pres PhD Student, Harvard Chan School

 (Advisor and Thesis Mentor)

2021-2022 Tiffany Dang College Student

 Dana-Farber/Harvard Cancer Center CURE study Mass College of Pharmacy

 (Research Mentor) and Health Sciences

2021 Kevin Tesorero

 Dana-Farber/Harvard Cancer Center CURE study Student

 (Research Mentor) Revere High School

2021-2023 Catherine Allende Epidemiologist

 SM2 Student, Harvard Chan School Genesis Research Group

 (Advisor)

2021-2023 Aiza Malik

 SM2 Student, Harvard Chan School

 (Advisor)

2021-2023 Yuchen Zhao PhD Student

 SM2 Student, Harvard Chan School Harvard Chan School

 (Advisor)

2021-2022 Tanawin Noposin Research Associate

 MPH Student, Harvard Chan School Mass General Hospital

 (Research Advising)

2021-2022 Alaina Shreves PhD Student

 SM2 Student, Harvard Chan School NCI-Oxford University

 (Research Advising)

2021-pres Michelle Sodipo

 PhD in Population Science (Epidemiology)

 Harvard Chan School

 (Advisor and Primary Mentor)

2022 Mireya Dorado

 Summer Program in Epidemiology Undergraduate Student

 Harvard Chan School Northeastern University

 (Research Advisor)

2022 Osase Idahor

 Harvard University

 Undergraduate Researcher

 (Research Advisor)

2022-pres Sydney Grob

 MD/PhD Student, Tufts University

 (Research mentor)

2022-2023 Liang Qi Urology Resident

 MPH-Epidemiology Program Austin Health, Melbourne

 Harvard Chan School

 (Research Advisor)

2022-2023 Jay Santos Cabrera

 SM2 in Epidemiology Program

 Harvard Chan School

 (Academic Advisor)

2022-2024 Megan Shanahan

 SM2 in Epidemiology Program

 Harvard Chan School

 (Academic Advisor)

2023-2024 Qi Dong

 MPH-Epidemiology Program

 Harvard Chan School

 (Research Advisor)

2022-pres Sinead Flanagan

 2022-2024 Research Associate

 Harvard Chan School

 (Mentor)

 2024-pres Resident

 Trinity College, Dublin

 (Secondary Mentor)

2022-2024 Yanguang Wei Assistant Professor

 Postdoctoral Fellow in Environmental Health Mt Sinai IChan School of Medicine

 Harvard Chan School

 (Mentor on K99/R00 Application)

2022-pres Claire Kim

 Research Fellow

 Harvard Chan School

 (Mentor)

2023-pres Anqi Wang

 Research Fellow

 Harvard Chan School

 (Mentor)

2023-2024 Sarah Robertson

 Postdoctoral Fellow in Epidemiology

 Harvard Chan School

 (Mentor on K99/R00 Application)

2023-pres Yuan Ma

 Assistant Professor of Epidemiology

 Harvard Chan School

 (Secondary Mentor)

2023-pres Chaoran Ma

 Assistant Professor of Epidemiology

 UMass Amherst School of Public Health

 (Primary Mentor on Young Investigator Award)

2022-2023 Lindsay Page Cancer Prevention Fellow

 MPH in Quantitative Methods National Cancer Institute

 Harvard Chan School

 (Research Advisor)

2022-2023 Isani Singh

 MD Student

 Harvard Medical School

 (Research Mentor)

2023-pres LeeAnn Lucas

 2023-2024 SM2 in Epidemiology Student

 (Research Advisor)

 2024-pres PhD in Population Health Science

 (Faculty Mentor)

 Harvard TH Chan School of Public Health

2023-pres Kai Wang

 Research Associate

 Harvard TH Chan School of Public Health

 (Career Advisor)

2023 Alice Dalsass

 Visiting MD Student

 University of Bologna

 (Research Mentor)

2023-2024 Aimee Huang, PhD

 Post-doctoral Fellow

 Harvard Chan School of Public Health

 (Secondary Mentor)

2023-pres Barbra Dickerman, PhD

 Assistant Professor of Global Cancer Prevention

 Harvard TH Chan School of Public Health

 (Faculty Mentor)

2024 Aiden Daluiski

 High School Student

 Riverside High School

 (Summer Research Mentor)

**Doctoral dissertation committee membership**

2005 – 2008 2005-2008 Jennifer (Stark) Rider, Epidemiology

2005 – 2008 2005-2008 Kathryn Wilson, Epidemiology

2006 – 2009 2006-2009 Julie Kasperzyk, Epidemiology

2006 – 2009 2006-2009 Kathryn Penney, Epidemiology

2007 – 2008 2007-2008 Justin Manjourides, Biostatistics

2008 – 2010 2008-2010 Matthew Austin, Biostatistics

2009 – 2014 2009-2014 Rebecca Graff, Epidemiology

2010 – 2012 2010-2012 Jennifer Sinnott, Biostatistics

2010 – 2012 2010-2012 Johanna Torfadottir (University of Iceland), Epidemiology

2010 – 201 2010-2013 Ke Zu, Nutrition and Epidemiology

2011-2015 Lara Sigurdardottir (University of Iceland), Epidemiology

2012 Ran Zhang, Nutrition and Epidemiology (Oral Exam)

2012-2016 Christina McInstosh, Biostatistics

2014-2015 2014-2015 Kevin Kensler, Epidemiology (Oral Exam)

2014-6 2014-2016 Natalie DuPre, Epidemiology (Oral Exam)

2016- 2016-2017 Elizabeth Loehler, Environmental Health (Oral Exam)

2017-2018 Mary Kathryn Downer, Epidemiology

2018 Omar Soliman, Harvard Medical School, MMSI Program (External Examiner)

2018-2019 Hector Maldonado Perez, Population Health Sciences (PQE Committee Examiner)

2018-2020 Zhihui Wang, Environmental Health (PQE Committee Examiner; Thesis Committee)

2019-2020 David Cote, Epidemiology (PQE Committee Chair)

2019-2021 Kristen Brantley, Epidemiology (PQE Committee Examiner)

2019-2021 Xinan Wang, Environmental Health (PQE Committee Examiner)

2020-2022 Rui Song, Epidemiology and Nutrition (PQE Committee Examiner)

2022 Ziwei Zhang, Computational Biology and Quantitative Genetics (Masters Thesis

 Committee)

2021-2023 Yiwen Zhang, Epidemiology (PQE Committee Examiner; Thesis Committee)

2021-2024 Tung Pham, Epidemiology (PQE Committee Examiner; Thesis Committee)

2024-pres Yuchen Zhao (PQE Committee Examiner and Chair; Thesis Committee)

**Other Mentoring**

2009 Thesis Examiner for PhD candidate (Janneke Hogervorst), *Dietary acrylamide and human cancer risk,* Maastricht University, Maastricht The Netherlands

2010 Thesis Examiner for PhD candidate (Elizabeth Tindall), *Genetic contributions to inflammatory mediated prostate cancer*, University of New South Wales, Australia

**INVITED PRESENTATIONS:**

Local

2004 *Molecular Signatures of Prostate Cancer Survival*

Harvard School of Public Health

2004 *Plasma Levels of Free IGF-1, Acid-labile Subunit and Prostate*

*Cancer Risk: A Prospective Study*

Channing Laboratory/Brigham and Women's Hospital Seminar Series

2004 Invited Speaker, *Acid-labile Subunit and Prostate Cancer Risk: A Prospective Study*, Slone Epidemiology Seminar, Boston University School of Public Health, Boston, MA

2005 Invited Speaker, *Identifying Molecular Markers of Indolent and Aggressive*

*Prostate Cancer,* Boston University Medical Grand Rounds, Boston Medical Center, Boston MA

2006 *Microvessel Density and architecture: biomarkers of lethal prostate cancer*

Harvard Prostate Cancer Working Group

2006 *Molecular signatures to predict lethal and indolent prostate cancer*

BWH-BRI Inaugural Cancer Research Center Retreat

2007 *Biomarkers of tumor angiogenesis and lethal prostate cancer*

Dana-Farber/Harvard Cancer Center Prostate SPORE Meeting

2007 *Incorporating tumor biomarkers into cancer epidemiology studies: the prostate cancer story* Department of Epidemiology Seminar Series, Harvard School of Public Health

2008 Invited Speaker, *Metabolism and Prostate Cancer in the PHS and HPFS cohorts*, Cancer Genome Program, Broad Institute, Cambridge, MA

2008 *Genetic susceptibility and the TMPRSS2:ERG fusion*

Dana-Farber/Harvard Cancer Center SPORE Meeting

2008 *Dietary and biochemical predictors of prostate cancer risk and progression* Harvard Urology and Prostate Cancer Seminar Series, Harvard Institute of Medicine

2008 Invited Panelist, *Work and Family Balance Panel*

Office for Women’s Careers, Brigham and Women’s Hospital

2008 Invited Panelist, *Women in Academe: Balancing Family and Careers*

 Harvard School of Public Health

2008 *Prostate Tumor Biomarker Studies in the Health Professionals Follow-up Study*

Health Professionals Follow-up Study External Advisory Board Meeting, Harvard School of Public Health

2008 *The TMPRSS2:ERG fusion and the sex hormone milieu*

Dana-Farber/Harvard Cancer Center SPORE in Prostate Cancer Meeting, DFCI

2009 *The TMPRSS2:ERG fusion in prostate cancer*

Molecular Epidemiology Working Group Seminar, Harvard School of Public Health

2009 Invited Speaker, *Prostate Cancer Epidemiology and the TMPRSS2:ERG fusion*

Dana-Farber/Harvard Cancer Center Conference on Cancer

2009 Invited Speaker, *Translocations and Aberrations: a patho-epidemiology study of prostate cancer risk and progression*

Department of Epidemiology Seminar, Harvard School of Public Health

2010 *TMPRSS2:ERG and SPINK1 in Lethal Prostate Cancer*

Dana-Farber/ Harvard Cancer Center SPORE in Prostate, External Advisory Board Meeting

2011 *TMPRSS2:ERG, SPINK1 and Lethal Prostate Cancer*

Dana-Farber/Harvard Cancer Center Prostate SPORE Meeting

2011 *The Burden of Cancer from an Epidemiologist’s Perspective*

Summer Program in Quantitative Methods, Harvard School of Public Health

### 2011 *Future Directions for Translation of Archival Tissue Studies* (Panel Discussion). **Emerging Technologies for Translation Bioinformatics: A symposium on gene expression profiling for archival tissues, Harvard School of Public Health**

2011 *Shedding Light on the Heritability of Cancer: a study of 200,000 Nordic Twins*

Department of Epidemiology Seminar Series, Harvard School of Public Health

2011 Keynote Address, *Prevention of Lethal Prostate Cancer: opportunities and novel hypotheses*, Massachusetts Prostate Cancer Coalition, Newton MA

2011 Invited Speaker, *The burden of cancer from an epidemiologist’s perspective*, Massachusetts College of Pharmacy CAPSTONE course, Boston, MA

2012 *Cancer: what have we learned and where do we go from here?*

Harvard School of Public Health Leadership Council Meeting

2012 *Unveiling the potential of patho-epidemiology to understand prostate cancer*

Quantitative Issues in Cancer Research Working Seminar, Department of Biostatistics, Harvard School of Public Health

2012 *The burden of cancer from an epidemiologist’s perspective*, Massachusetts College of Pharmacy CAPSTONE course, Boston, MA

2012 Invited Speaker, *MicroRNA in tumor tissue: overview of design and pilots for prostate cancer*, Channing Division of Network Medicine, Brigham and Women’s Hospital, Boston MA

2013 *Exploring Mechanisms Underlying the Link between Obesity, Physical Activity and Lethal Prostate Cancer*

Harvard Transdisciplinary Research in Energetics and Cancer (TREC) Annual Meeting

2013 *Tumor/Patient Genotyping Efforts within DF/HCC*

Dana-Farber/Harvard Cancer Center Scientific Council Meeting

2013 *What’s hot, what’s not: ongoing controversies in PSA screening for prostate cancer*

Hot Topics in Public Health, Harvard School of Public Health

2013 *Unveiling the enigma of prostate cancer epidemiology*

Genitourinary Oncology Seminar, Dana-Farber Cancer Institute

2013 Organizer, *Celebration of Young Investigators in Cancer Research*, Dana-Farber/Harvard Cancer Center

2013 Organizer and Speaker, *What’s Up in Cancer Epidemiology*, Dana-Farber/Harvard Cancer Center Population Science Group

2013 Moderator*, “History and Future of Epidemiology” panel session*

Cutter Lecture Symposium, Harvard School of Public Health

2013 *Tumor/Patient Genotyping Efforts within DF/HCC*

Dana-Farber/Harvard Cancer Center Scientific Council Meeting

2014 Invited Speaker, *Gene expression profiling studies in the HSPH cohorts: tantalizing preliminary results*

Dana-Farber/Harvard Cancer Center SPORE in Prostate Cancer meeting

2014 Invited Speaker, *Metabolic consequences of obesity on cancer risk and mortality,*

Using basic and epidemiological studies to identify metabolic vulnerabilities in cancer, Dana-Farber/Harvard Cancer Center Symposium on Metabolism and Cancer

2014 Invited Speaker, *Integrating Tissue Biomarkers into Prostate Cancer Epidemiology Research,* 2nd International Molecular Pathological Epidemiology Meeting, Dana-Farber Cancer Institute

2014 *Estimating the prostate cancer burden attributed to lifestyle and genetic factors among African-American and White men,* Dana-Farber/Harvard Cancer Center – Prostate Cancer Foundation A. David Mazzone Awards Program Scientific Retreat

2014 *Assessment of the DF/HCC Catchment Area: Massachusetts,* Dana-Farber/Harvard Cancer Center Executive Committee

2014 Invited Speaker, *Estimating the prostate cancer burden attributed to lifestyle and genetic factors among African-American and White men*, A. David Mazzone Awards Program Retreat, Dana Farber/Harvard Cancer Center

2014 Panelist, *Development and Safety Management of Cancer Drugs Workshop.* Harvard School of Public Health and Takeda Pharmaceuticals

2014 Invited Speaker, *Integrating tissue biomarkers into cancer epidemiology studies: examples from prostate cancer,* Harvard University Transdisciplinary Research on Energetics and Cancer Scientific Retreat

2014 Invited Speaker, *The prevention of lethal prostate cancer*, Boston Prostate Cancer Support Group, Beth Israel Deaconess Medical Center, Boston

2014 Invited Panelist, *Prostate Cancer Awareness Day*, Massachusetts State House

2015 Invited Speaker, *Prevention of lethal prostate cancer,* Prostate Health Education Network (PHEN) Support Group Meeting, Dana-Farber Cancer Institute

2015 Invited Speaker, *Assessment of the DF/HCC Catchment Area: Massachusetts*, 2015 Liver Cancer Incubator, Dana-Farber/Harvard Cancer Center

2015 Invited Speaker, *The prevention of lethal prostate cancers,* Boston Prostate Cancer Support Group, Beth Israel Deaconess Medical Center, Boston MA

2016 Invited Speaker, *Prevention of lethal prostate cancer*

Massachusetts General Hospital Urology Grand Rounds

2016 Invited Speaker, *Obesity and lethal prostate cancer*

DF/HCC SPORE in Prostate Cancer Monthly Meetings

2016 Invited Speaker, *Novel advances in prostate cancer prevention*, Massachusetts Prostate Cancer Coalition, Newton MA

2016 Invited Speaker, *Opportunities for research in GU Cancers in the Harvard Cohorts*, Genitourinary Oncology Research Seminar, Dana-Farber Cancer Institute

2018 Host and panel discussion, *Do statins increase the survival of cancer patients*? Inaugural Kolokotrones Symposium, Harvard T.H. Chan School of Public Health

2018 Seminar Speaker, *Examples of interdisciplinary strategies in cancer epidemiology*. Department of Epidemiology Seminar Series, Harvard T.H. Chan School of Public Health

2019 Invited Speaker, *Optimizing screening strategies in prostate cancer*. Dana-Farber/Harvard Cancer Center Prostate Cancer Program

2019 Invited Speaker, A David Mazzone Awards Symposium, *Prostate cancer epidemiology studies of disparities*. Dana-Farber/Harvard Cancer Center

2020 Invited Speaker and Panel Member, Massachusetts Prostate Cancer Coalition Annual Symposium, *State of Evidence of Diet and Lifestyle for Prostate Cancer*

2020 Invited Speaker, Boston Prostate Cancer Support Group, *State of Evidence of Diet and Lifestyle for Prostate Cancer*

2021 Invited Speaker, Department of Epidemiology Seminar Series, Harvard TH Chan School of Public Health, *Building a global cohort of advanced prostate cancer survivors*

2021 Invited Speaker, Boston Area Prostate Cancer Support Group, *State of Evidence on Diet and Prostate Cancer and IRONMAN global cohort of prostate cancer survivors*

2022 Invited Speaker, *Inherited susceptibility to prostate cancer: opportunities for prevention and early detection,* Harvard Cancer Working Group

2022 Invited Speaker, *Inherited genetics and prostate cancer epidemiology*, MPH-Epidemiology Program, Harvard TH Chan School of Public Health

2022 Invited Speaker, *Epidemiology and lessons learned along the journey,* Summer Program in Epidemiology, Harvard TH Chan School of Public Health

2022 Organizer, *Obesity, Metabolism, and Cancer, Brief Update Series,* Dana-Farber/Harvard Cancer Center

2023 Organizer, *10th Annual* *Celebration of* *Early career Investigators in Cancer Research*, Dana-Farber/Harvard Cancer Center

2024 Organizer, *11th Annual* *Celebration of* *Early career Investigators in Cancer Research*, Dana-Farber/Harvard Cancer Center

2024 Invited Speaker, *Optimizing health with dietary strategies in prostate cancer*, Boston Area Prostate Cancer Support Group

National

2004 Invited Speaker, *Dietary acrylamide and risk of cancer*, American Chemical Society, 227th National Meeting in Anaheim, CA

2005 Invited Speaker, *Dietary Acrylamide and risk of human cancer: the role of*

*epidemiology*, Society of Toxicology, 44th Annual Meeting, New Orleans, LA

2006 Invited Speaker, *Identifying molecular signatures of indolent and lethal prostate cancer.* Prostate Cancer InterSPORE Meeting, National Cancer Institute, Houston, TX

2007 Invited Speaker, *Multigene signatures of indolent and lethal prostate cancer*, Active Surveillance for Early Stage Prostate Cancer, San Francisco, CA

2007 Panelist, *The role of acrylamide in diet and risk of cancer*, American Chemical Society, 229th National Meeting, Boston, MA

2008 Invited Speaker, *Obesity and the TMPRSS2:ERG Fusion*, Prostate Cancer Foundation Annual Retreat, Lake Tahoe, CA

2008 Invited Speaker, *Obesity and Prostate Cancer Progression in the Physicians’ Health Study*, National Cancer Institute Translational Meeting, Washington DC.

 2008 Invited Speaker, *Central adiposity and prostate cancer survival in relation to tumor tissue expression of sex steroid hormone receptors*, Tri-institutional Prostate Cancer Program Retreat, Newport, RI

2009 Invited Speaker, *Tomatoes, lycopene and prostate cancer: is the association with disease progression mediated through angiogenesis?* Tri-institutional Prostate Cancer Program Retreat, Baltimore, MD

2009 Invited Speaker, *Do antioxidants prevent risk of TMPRSS2:ERG fusion prostate cancer?* Prostate Cancer Foundation Annual Scientific Retreat, Lake Tahoe CA

2009 Invited Speaker, *TMPRSS2:ERG fusion and SPINK1 in prostate cancer etiology and progression,* National Cancer Institute Translational Meeting, Tyson’s Corner, VA

2010 Invited Speaker, *Genetic and lifestyle factors impact prostate cancer survival through angiogenesis.* 7th Annual International M. Judah Folkman Conference Antiangiogenesis: New Frontiers in Therapeutic Development, Boston, MA

2010 Invited Speaker, *The patho-epidemiology of prostate cancer.* Multi-institutional Prostate Cancer Program Retreat, Ft Lauderdale, FL

2012 Invited Speaker, *Genetic variation in antioxidant pathway and prostate cancer progression*, SELECT Trial Symposium, Southwest Oncology Group, Dallas, TX

2012 Invited Speaker, *Promenadgruppen: a pilot walking intervention among men with prostate cancer.* Fourth annual Multi-Institutional Prostate Cancer Program Retreat, Ft. Lauderdale, FL

2012 Session Chair, Prostate Cancer: Risk, Fifth annual Multi-Institutional Prostate Cancer Program Retreat, Ft. Lauderdale, FL

2012 Organizer and Co-Leader, Sixth Annual International Prostate Cancer Patho-

Epidemiology Retreat, Martha’s Vineyard

2012 Invited Speaker, *Tumor Tissue Collection: The Experience of the Harvard Cohorts.* 2011 Annual Meeting of the National Cancer Institute Cohort Consortium, Boston MA

2012 Panelist, Celebration of Science, FasterCures and the Milken Institute, Washington DC

2012 Poster Discussant, American Society for Clinical Oncology Annual Meeting, Genitourinary (Prostate) Cancer, Chicago, Illinois

2013 Session Chair, Prostate Cancer: Risk Session, Sixth annual Multi-Institutional Prostate Cancer Program Retreat, Ft. Lauderdale, FL

2013 Panelist, *Living to 1000: Impossible or in reach?* Milken Institute Global Conference, Beverly Hills, CA

2013 Invited Panelist, *Prouts Neck 2.0 Meeting on Prostate Cancer.* Beyond AR: New Approaches to Treating Metastatic Prostate Cancer, San Diego, CA

2013 Invited Speaker, *Unveiling the potential to prevent lethal prostate cancer: Integrative molecular epidemiology approaches to public health*, Northwestern SPORE in Prostate Cancer, Fred Hutchinson Cancer Institute, Seattle, WA

2013 Session chair and speaker, *The patho-epidemiology of prostate cancer: translating population science to prevention and treatment of advanced prostate cancer*, 20th Annual Prostate Cancer Foundation Annual Scientific Retreat, Washington DC

2014 Invited Speaker, *Chronic Diseases associated with prostate cancer*, Bienniel Prostate Cancer Forum, Prostate Cancer UK, Baltimore, MD

2014 Invited Speaker, *Where are we and where are we going: risk*, Seventh annual Multi-Institutional Prostate Cancer Program Retreat, Ft Lauderdale, FL

2014 Invited Speaker, Educational Session, *Integrative Molecular Epidemiology*, American Association for Cancer Research, San Diego, CA

2014 Invited Speaker, *Tumor Drivers of the Link between Obesity and Lethal Prostate Cancer*, Prostate Cancer Foundation Coffey-Holden Prostate Cancer Academy, Carlsbad, CA

2014 Program Committee and Moderator, 21st Annual Prostate Cancer Foundation Scientific Retreat, Carlsbad, CA

2014 Invited Speaker, *Integrative tissue biomarkers into cancer epidemiology studies: examples from prostate cancer*. Transdisciplinary Research on Energetics and Cancer (TREC) Annual Scientific Meeting, Boston, MA

2014 Invited Speaker, *Integrative molecular epidemiology of prostate cancer*, Vermont Cancer Center's Clinical & Translational Research Symposium, Burlington, VT

2015 Invited Speaker, *Precision prevention in prostate cancer: the case for TMPRSS2:ERG*, 6th International PACRIM Breast and Prostate Cancer Meeting, Stevenson, WA

2015 Session chair and speaker, *Integrating Tissue Biomarkers into Cancer Epidemiology Studies*, National Cancer Institute’s Cohort Consortium, Gaithersberg, MD

2015 Invited Speaker, *PCF5000: A Novel Disease Registry among Men with Advanced Prostate Cancer,* Eighth Annual Multi-Institutional Prostate Cancer Program Retreat, Ft Lauderdale, FL

2015 Invited Speaker, *Unraveling the mystery of prostate cancer’s etiology*, Department of Epidemiology Seminar Series, University of Florida, Gainesville, FL

2015 Featured Invited Speaker, *Epidemiology of Prostate Cancer Risk and Progression,* Prostate Cancer Evidence Academy, University of Pennsylvania

2016 Presenter, *Cancer Epidemiology Cohort in Male Health Professionals*, National Cancer Institute Tissue Supplement Webinar

2016 Invited Speaker, *Diet, lifestyle and Lethal Prostate Cancer*, Centennial Meeting of the Endocrine Society (ENDO 2016), Boston, MA

2016 Invited Speaker, *Unraveling the enigma of prostate cancer epidemiology*, H. Lee Moffitt Cancer Center, Tampa, FL

2016 Organizer and Moderator, First Annual Prostate Cancer Foundation Women’s Networking Forum, Carlsbad, CA

2017 Invited Speaker, *Genomic tests in active surveillance and the role of hereditary testing,* 2017 Genitourinary Cancers Symposium, ASCO, Orlando, FL

2017 Chair, Molecular and Genetic Epidemiology Mini-symposium, 2017 American Association for Cancer Research Meeting, Washington DC

2017 Invited Speaker, *Prostate Cancer Survivorship: IRONMAN Registry*,7th Annual Prostate Cancer Symposium, Karmanos Cancer Institute, Detroit, Michigan

2017 Invited Speaker and Panelist, *Screening and Low risk disease: Prostate Cancer Epidemiology*, 2017 International Prostate Cancer Symposium, Icahn School of Medicine at Mt Sinai, New York

2017 Session Chair, *Do we need better biomarkers to identify higher-risk, locally advanced disease?* Prostate Cancer: Advances in Basic, Translational, and Clinical Research, American Association for Cancer Research, Orlando, Florida

2018 Invited Speaker and Session Chair, *Exploring mechanisms underlying the link between obesity and lethal prostate* cancer, Obesity and Cancer: Mechanisms Underlying Etiology and Outcomes, American Association for Cancer Research, Austin, Texas

2018 Invited Speaker, *Integrative Molecular Epidemiology Workshop*, NCIs Continued Support of Cancer Education through the R25 Mechanism, International Cancer Education Conference, Atlanta, GA

2018 Organizer and Moderator, Third Annual Prostate Cancer Foundation Women in Science Networking Forum, Carlsbad, CA

2019 Moderator, *Population Science*, 12th Annual Multi-Institutional Prostate Cancer Retreat, Fort Lauderdale, FL

2019 Invited Speaker, *Examples of Interdisciplinary Strategies in Cancer Epidemiology,* Fox Chase Cancer Center Grand Rounds, Philadelphia, PA

2019 Invited Speaker, *Interdisciplinary Studies of Prostate Cancer Epidemiology,* Karmanos Cancer

Center Grand Rounds, Detroit Michigan

2019 Invited Speaker, *Molecular Epidemiology of Prostate Cancer*, National Cancer Institute, Genitourinary Malignancies Center of Excellence Seminar, MD

2019 Organizer and Moderator, Fourth Annual Prostate Cancer Foundation Women in Science Networking Forum, Carlsbad, CA

2019 Invited Speaker, *The Ups and Downs of an Academic Career*, Young Investigator Day, Prostate Cancer Foundation Annual Retreat, Carlsbad CA

2019 Panel Moderator, *Are there racial disparities in prostate cancer?,* Prostate Cancer Foundation Annual Retreat, Carlsbad CA

2020 Conference Organizer, 13th Annual Multi-Institutional Prostate Cancer Retreat, Fort Lauderdale, FL

2020 Invited Speaker, *IRONMAN: Findings and Future Directions of a global registry of men with advanced prostate cancer*, Cancer Prevention and Control Program Grand Rounds, MD Anderson Cancer Center, Houston, TX (remote)

2020 Invited Speaker, *IRONMAN: Findings and Future Directions of a global registry of men with advanced prostate cancer*, Cancer Prevention, Control, and Population Science Program, Case Western Cancer Center, Houston, TX (remote)

2021 Invited Speaker, *Epidemiology Studies of prostate cancer: from early detection to survivorship*,University of Chicago Comprehensive Cancer Center, Seminar Series, Chicago, IL (remote)

2021 Panel Member, *Epidemiologic and Surveillance Research,* Survivorship Needs for Individuals Living with Advanced and Metastatic Cancers, National Cancer Institute Conference, National Cancer Institute (remote)

2021 Invited Speaker, *COVID-19 Vaccines*, The KJLH Women’s Health Expo, California (remote)

2021 Invited Speaker, *Healthy lifestyle among men at high genetic susceptibility,* Prostate Cancer Foundation Board, California (remote)

2021 Invited Speaker, *Biomarker studies within the Harvard Prostate Cancer Tumor Cohorts*, Early Detection Research Network, Atlanta GA (remote)

2021 Invited Speaker and Panelist, *Dietary Patterns and Prostate Cancer*, Prostate Cancer Foundation Webinar, Santa Monica CA (remote)

2021 Invited Speaker and Panelist, *Epidemiologic aspects of prostate cancer in Black men and men of African ancestry*, Prostate Cancer Foundation Annual Scientific Retreat (remote)

2022 Invited Panelist, *What Cancer Research Teaches us about a Healthy Body and Brain,* Milken Institute South Florida Dialogue, Palm Beach, FL

2022 Invited Speaker, *Integrative Molecular Epidemiology Studies of Prostate Cancer*, Cancer Epidemiology Seminar Series, USC Norris Comprehensive Cancer Center (remote)

2022 Invited Speaker, *Unraveling the enigma of prostate cancer epidemiology,* Distinguished Seminar Series, Herbert Irving Comprehensive Cancer Center (remote)

2022 Invited Speaker, *Unraveling the enigma of prostate cancer epidemiology,* Population Sciences Seminar Series, Vanderbilt-Ingram Cancer Center (remote)

2022 Keynote Speaker, *Prostate Cancer Heritability: Etiology, early detection, and prevention*, UCLA Prostate Cancer SPORE

2022 Plenary Session, *Cancer the inherited susceptibility to prostate cancer be modified?* 2022 American Institute for Cancer Research Annual Meeting, Leesburg, Virginia

2022 Panel member and organizer, *State of Evidence on Diet and Lifestyle in Prostate Cancer*, Prostate Cancer Foundation, Carlsbad, CA

2022 Invited Speaker, *Experiences and lessons learned using real world data in oncology
Early results from IRONMAN: International Registry of Man with Advanced Prostate Cancer*, Bayer Real World Evidence Seminar Series (remote)

2023 Invited Speaker, *Opportunities to Reduce Disparities in Prostate Cancer,* CONDUC 2023 Scientific Symposium (remote)

2023 Panel Member and Organizer, *Prostate Cancer Collaboration*, American Cancer Society,

Washington DC

2024 Invited Speaker, *Prostate Cancer Survivorship through and Epidemiological Lens*, Cedars Sinai Cancer Center Grand Rounds (remote)

2024 Invited Speaker, *Dietary Patterns and Prostate Cancer*, Prostate Health Education Network (remote)

2024 Invited Speaker, *Optimizing Diet and Lifestyle after a Prostate Cancer Diagnosis*, Pennsylvania Cancer Coalition (remote)

2024 Invited Speaker, *Big Questions in Prostate Cancer*: *Setting the Stage for Collective Action*, National Prostate Cancer Roundtable, Washington DC

International

2004 Invited Speaker, *Tissue Microarrays in Cancer Epidemiology*, 2004 Hydra

Cancer Meeting, Hydra, Greece

2006 Invited Speaker, *Epidemiological studies on the relationship between acrylamide in the diet and cancer risk, Multidisciplinary approaches to reducing the levels of acrylamide in food*, Association of Applied Biologists, Hertfordshire, UK

2007 Panelist, *Icelandic Meeting on Prostate Cancer* (*Progress*), University of Iceland, Reykjavik, Iceland

2008 Invited Speaker, *Tumor angiogenesis and prostate cancer mortality*, Department of Urology, University of Orebro, Orebro, Sweden

2008 Invited Speaker, *Concepts and Principles of Cancer Screening*, University of Iceland, Reykjavik, Iceland

2008 Panelist, *Bladder Cancer-from Pathogenesis to Prevention-International Consultation*, World Health Organization International Consultation, Stockholm, Sweden

2008 Educational Review Panel for MPH and doctoral students at the Division of Public Health Sciences, University of Iceland, Reykjavik

2009 Panelist, *Prostate Cancer Retreat*, University of Orebro, Orebro, Sweden

2009 Invited Speaker, *The state of affairs of epidemiological research on acrylamide and human cancer risk*, Maastricht University, The Netherlands

2010 Invited Speaker, *Promenade Gruppen: Background and Hypothesis for the randomized trial*, Prostate Cancer at Solstice Meeting, University of Iceland, Reykjavik, Iceland

2010 Invited Speaker, *The Patho-Epidemiology of Prostate Cancer: An epidemiologist’s perspective*, Società Italiana di Urologia Oncologica (SIURO), Rome, Italy

2010 Symposium Panelist and Speaker, *Bologna Patho-epidemiology Prostate Cancer Retreat*, University of Bologna, Italy

2010 Invited Speaker, *Nutrigenetics: Antioxidants and SNPs in antioxidant genes in relation to prostate cancer*, Neon Annual Meeting, Nobel Forum, Karolinska Institutet, Stockholm, Sweden

2011 Invited Speaker, *Patho-epidemiology studies of molecular signatures in the SPCG-4 trial*, Scandinavian Prostate Cancer Group Annual Meeting, Stockholm, Sweden

2011 Invited Speaker, *Molecular Markers of Lethal Prostate Cancer*, 9th Annual World Congress of Urological Research, Innsbruck Austria

2011 Invited Speaker, *Shedding Light on the Heritability of Prostate Cancer: a study of 100,000 Nordic Twins*, Invited Lecture, Trinity College, Dublin Ireland

2011 Invited Speaker, *Tumor Drivers of the Link Between Obesity and Lethal Prostate Cancer*, Research Oncology Seminar, Kings College, London UK

2012 Invited Speaker, *Tumor markers of Lethal Prostate Cancer: Links with Obesity*, Faculty Meeting Seminar, Karolinska Institutet, Stockholm, Sweden

2012 Invited Speaker, *Unveiling the heritability in cancer: an updated analysis from the Nordic twin registry of cancer*, 14th Congress of the International Society Twin Studies, Florence, Italy

2012 Invited Speaker, *Integrating mRNA profiling in prostate cancer risk prediction*, Prostate Cancer UK Action Forum, Rotterdam, the Netherlands

2013 Invited Speaker, *Obesity and TMPRSS2:ERG fusion: an example of precision patho-epidemiology*, Australian – Canadian Prostate Cancer Research Alliance, Port Douglas, Queensland, Australia

2013 Invited Speaker, *Circadian disruption: a biomarker of aggressive prostate cancer?* Australian – Canadian Prostate Cancer Research Alliance, Port Douglas, Queensland, Australia

2014 Invited Speaker, *Tumor drivers of the link between obesity and lethal prostate cancer,* Oslo Prostate Cancer Symposium 2014, Oslo, Norway

2015 Invited Speaker, *Obesity, Metabolism and Prostate Cancer Survival*, Sixth International Congress of Uro-Oncology, Sao Paolo, Brazil

2015 Invited Speaker, *PCF 500: A novel registry of men with advanced prostate cancer*, Sixth International Congress of Uro-Oncology, Sao Paolo, Brazil

2015 Invited Speaker, *The role of the circadian rhythm in prostate cancer*, Sixth International Congress of Uro-Oncology, Sao Paolo, Brazil

2015 Invited Speaker, *A Female Researcher Exploring the Male Prostate*, Medical Oncology Departmental Seminar, Kings College, London

2016 Invited Speaker, *International Registry to Improve Outcomes in Men with Advanced Prostate Cancer*, Movember Executive Board, Melbourne, Australia

2017 Invited Speaker, *Epidemiology and Genetics of Prostate Cancer,* American Association for Cancer Research International Meeting, New Frontiers in Cancer Research, Cape Town, South Africa

2017 Invited Speaker, *IRONMAN: International Registry to Improve Outcomes in Men with Advanced Prostate Cancer*, St Gallen Advanced Prostate Cancer Consensus Meeting, St. Gallen, Switzerland

2017 Invited Speaker, *Obesity, altered metabolism, and advanced prostate cancer*, Forum of Public Health and Social Medicine Webinar, University of Athens, Greece

2017 Invited Speaker, *The Integrative Molecular Epidemiology of Prostate Cancer,* 2017 John Fitzpatrick Irish Genitourinary Cancer Meeting, Dublin, Ireland

2017 Invited Speaker, *Prostate Cancer Outcomes: IRONMAN Registry*, TrueNth International Meeting, Vancouver, BC

2018 Invited Speaker, *Biomarkers of Lethal Prostate Cancer: Example of baseline PSA level in midlife,* IX International Congress of Uro-Oncology, Sao Paolo Brazil

2018 Invited Speaker, *Diet, lifestyle and risk of lethal prostate cancer,* IX International Congress of Uro-Oncology, Sao Paolo Brazil

2018 Invited Speaker, *Familial risk and inherited genetics in prostate cancer,* IX International Congress of Uro-Oncology, Sao Paolo Brazil

2018 Invited Speaker, *IRONMAN: An International Registry for Men with Advanced Prostate Cancer,* IX International Congress of Uro-Oncology, Sao Paolo Brazil

2020 Invited Speaker and Panel, *IRONMAN Study: Improving Outcomes in Men with Advanced Prostate Cancer,* Biennial Science of Global Prostate Cancer Disparities in Black Men Conference (Virtual)

Podcasts

1. **Mucci LA**, Stampfer MJ. Risks of suicide and cardiovascular disease after a prostate cancer death. J National Cancer Institute 2010. <http://www.oxfordjournals.org/podcasts/jnci_102.05.interview.mp3>
2. **Mucci LA.** Prostate Cancer Podcast: Is prostate cancer inherited. Malecare 2016. <https://www.iheart.com/podcast/256-prostate-cancer-podcast-30943785/episode/prostate-cancer-and-family-history-40545979/>
3. **Mucci LA**. Is the evidence sufficient to recommend statins for all men with prostate cancer? UroToday 2017. <https://www.urotoday.com/video-lectures/prostate-cancer/video/833-embedded-media2017-09-19-22-59-30.html>
4. **Mucci LA**. IRONMAN: An international registry to improve outcomes in men with advanced prostate cancer. UroToday 2017. <https://www.urotoday.com/video-lectures/advanced-prostate-cancer/video/777-embedded-media2017-05-31-18-58-51.html>
5. **Mucci LA**, Kantoff P. Outcomes Research and the IRONMAN project. UroToday 2017 <https://www.urotoday.com/video-lectures/advanced-prostate-cancer-consensus-conference-apccc/video/712-embedded-media2017-03-14-02-51-21.html>
6. **Mucci LA.** The State of Evidence Behind Lifestyle and Diet for Prostate Cancer Patients 2020 <https://masspcc.org/page/podcast>
7. **Mucci LA**, Kantoff P. *TMPRSS2* and COVID-19: Serendipity or Opportunity for Intervention? UroToday 2020 <https://www.urotoday.com/video-lectures/covid-19-and-genitourinary-cancers/video/1755-tmprss2-and-covid-19-serendipity-or-opportunity-for-intervention-philip-kantoff-lorelei-mucci.html>
8. **Mucci LA.** Impact of Molecular and Genomic Factors on Prostate Cancer Disease Etiology and Health Disparities. UroToday, 2023 <https://www.urotoday.com/video-lectures/pcf-2022/video/2968-the-impact-of-molecular-and-genomic-factors-on-prostate-cancer-disease-etiology-and-health-disparities-and-the-state-of-science-on-diet-and-lifestyle-lorelei-mucci.html>
9. **Mucci LA, George D.** Insights into Global treatment patterns for Advanced prostate cancer patients: the IRONMAN registry. UroToday, 2023 <https://www.urotoday.com/video-lectures/asco-gu-2023/video/3249-insights-into-global-treatment-patterns-for-advanced-prostate-cancer-the-ironman-registry-lorelei-mucci-daniel-george.html>

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**Peer-reviewed Research Articles**

1. Kuper H, Tzonou A, Lagiou P, **Mucci LA**, Trichopoulos D, Stuver SO and Trichopoulou A. Diet and hepatocellular carcinoma: a case-control study in Greece. Nutr Cancer 2000;38(1):6-12.
2. Signorello LB, Kuper H, Lagiou P, Wuu J, **Mucci LA**, Trichopoulos D and Adami HO. Lifestyle factors and insulin-like growth factor 1 levels among elderly men. Eur J Cancer Prev 2000;9(3):173-8.
3. Hathaway JE, **Mucci LA**, Silverman JG, Brooks DR, Mathews R and Pavlos CA. Health status and health care use of Massachusetts women reporting partner abuse. Am J Prev Med 2000;19(4):302-7.
4. Kuper H, Hsieh C, Stuver SO, **Mucci LA**, Tzonou A, Zavitsanos X, Lagiou P and Trichopoulos D. Birth order, as a proxy for age at infection, in the etiology of hepatocellular carcinoma. Epidemiology 2000;11(6):680-3.
5. Petridou E, Giokas G, Kuper H, **Mucci LA** and Trichopoulos D. Endocrine correlates of male breast cancer risk: a case-control study in Athens, Greece. Br J Cancer 2000;83(9):1234-7. PMCID: PMC2363586.
6. Kuper H, Lagiou P, **Mucci LA**, Tamimi R, Benetou V and Trichopoulos D. Risk factors for cholangiocarcinoma in a low risk Caucasian population. Soz Praventivmed 2001;46(3):182-5.
7. Kuper H, Mantzoros C, Lagiou P, Tzonou A, Tamimi R, **Mucci L**, Benetou V, Spanos E, Stuver SO and Trichopoulos D. Estrogens, testosterone and sex hormone binding globulin in relation to liver cancer in men. Oncology 2001;60(4):355-60.
8. Lagiou A, Trichopoulos D, Tzonou A, Lagiou P and **Mucci L**. Are there age-dependent effects of diet on prostate cancer risk? Soz Praventivmed 2001;46(5):329-34.
9. Orner MB, Meehan T, Brooks DR, **Mucci LA** and McGuire JF. Support for condom availability and needle exchange programs among Massachusetts adults, 1997. AIDS Educ Prev 2001;13(4):365-76.
10. Silverman JG, Raj A, **Mucci LA** and Hathaway JE. Dating violence against adolescent girls and associated substance use, unhealthy weight control, sexual risk behavior, pregnancy, and suicidality. JAMA. 2001 Aug 1;286(5):572-9.
11. Brooks DR and **Mucci LA**. Support for smoke-free restaurants among Massachusetts adults, 1992-1999. Am J Public Health 2001;91(2):300-3. PMCID: PMC1446536.
12. Weiderpass E, Ye W, **Mucci LA**, Nyren O, Trichopoulos D, Vainio H and Adami HO. Alcoholism and risk for endometrial cancer. Int J Cancer 2001;93(2):299-301.
13. **Mucci LA** and Brooks DR. Lower use of dental services among long term cigarette smokers. J Epidemiol Community Health 2001;55(6):389-93. PMCID: PMC1731911.
14. **Mucci LA**, Tamimi R, Lagiou P, Trichopoulou A, Benetou V, Spanos E and Trichopoulos D. Are dietary influences on the risk of prostate cancer mediated through the insulin-like growth factor system? BJU Int 2001;87(9):814-20.
15. Tamimi R, **Mucci LA**, Spanos E, Lagiou A, Benetou V and Trichopoulos D. Testosterone and oestradiol in relation to tobacco smoking, body mass index, energy consumption and nutrient intake among adult men. Eur J Cancer Prev 2001;10(3):275-80.
16. **Mucci LA**, Kuper HE, Tamimi R, Lagiou P, Spanos E and Trichopoulos D. Age at menarche and age at menopause in relation to hepatocellular carcinoma in women. BJOG 2001;108(3):291-4.
17. Demissie S, Green RC, **Mucci L**, Tziavas S, Martelli K, Bang K, Coons L, Bourque S, Buchillon D, Johnson K, Smith T, Sharrow N, Lautenschlager N, Friedland R, Cupples LA and Farrer LA. Reliability of information collected by proxy in family studies of Alzheimer's disease. Neuroepidemiology 2001;20(2):105-11.
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19. Boffetta P, Ye W, Adami HO, **Mucci LA** and Nyren O. Risk of cancers of the lung, head and neck in patients hospitalized for alcoholism in Sweden. Br J Cancer 2001;85(5):678-82. PMCID: PMC2364115.
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21. Lagiou P, Hsieh CC, Trichopoulos D, Xu B, Wuu J, **Mucci L**, Tamimi R, Adami HO and Cnattingius S. Birthweight differences between USA and China and their relevance to breast cancer aetiology. Int J Epidemiol 2003;32(2):193-8.
22. Lagiou P, Tamimi R, **Mucci LA**, Trichopoulos D, Adami HO and Hsieh CC. Nausea and vomiting in pregnancy in relation to prolactin, estrogens, and progesterone: a prospective study. Obstet Gynecol 2003;101(4):639-44.
23. **Mucci LA**, Dickman PW, Steineck G, Adami HO and Augustsson K. Dietary acrylamide and cancer of the large bowel, kidney, and bladder: absence of an association in a population-based study in Sweden. Br J Cancer 2003;88(1):84-9. PMCID: PMC2376776.
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28. Brawarsky P, Brooks DR, **Mucci LA** and Wood PA. Effect of physician recommendation and patient adherence on rates of colorectal cancer testing. Cancer Detect Prev 2004;28(4):260-8.
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30. Lagiou P, Tamimi RM, **Mucci LA**, Adami HO, Hsieh CC and Trichopoulos D. Diet during pregnancy in relation to maternal weight gain and birth size. Eur J Clin Nutr 2004;58(2):231-7.
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33. **Mucci LA**, Granath F and Cnattingius S. Maternal smoking and childhood leukemia and lymphoma risk among 1,440,542 Swedish children. Cancer Epidemiol Biomarkers Prev 2004;13(9):1528-33.
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