**CURRICULUM VITAE**

**DATE PREPARED**: June 4, 2013

**PART I: General Information**

**Name:** Lorelei Ann Mucci

**Home Address:** 1103 Commonwealth Avenue

 Newton, MA 02459 United States

**Office Address:** Harvard School of Public Health

 Department of Epidemiology

 677 Huntington Avenue, 9th floor

 Boston, MA 02115 United States

**Phone:** (617) 432-1732

**Email:** lmucci@hsph.harvard.edu

**Fax:** (617) 566-7805

**Place of Birth:** Waltham, MA

**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- Assistant Professor of Medicine, Harvard Medical School, Boston,

MA

2010- Associate Professor of Epidemiology, Harvard School of Public Health, Boston MA

**Hospital or Affiliated Institution Appointments:**

 2003- Associate Epidemiologist, Brigham and Women's Hospital,

Boston, MA

**Other Professional Positions and Major Visiting Appointments:**

 1997 Graduate Research Internship, Boston University School of

Public Health, Boston, MA

1997-2002 Senior Research Analyst, Bureau of Health Statistics,

Research and Evaluation, Massachusetts Department of Public Health, Boston, MA

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

2008- Visiting Professor of Public Health, University of Iceland, Reykjavik, Iceland

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

**Major Administrative Responsibilities:**

2005- Co-Director, Channing Peer-Mentoring Program for 40 Post-Doctoral Fellows and Instructors, Channing Laboratory, BWH

2005-7 Organizer, Channing Seminar Series, Chronic Disease Epidemiology Group, Channing Laboratory, BWH

2006- Admissions Committee, Epidemiology Department, Harvard School of Public Health

1. Member, Dana Farber/Harvard Cancer Center, Boston, MA

2006- Member and Project Co-Leader, Dana Farber Prostate Cancer SPORE, Boston MA

* 1. Science Advisory Board, Environmental Protection Agency, Acrylamide Review Panel

2007-8 Organizer, Epidemiology Department Seminar Series, Harvard School of Public Health

2007-10 Gender Equality Committee, Epidemiology Department, Harvard School of Public Health

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

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

2010 Grant Review Panel, World Cancer Research Fund

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

2010- Standing Review Committee, Prostate Cancer Foundation Research Awards

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

2010- Scientific Advisory Board, Prostate Cancer Foundation

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

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

2011- Grant Review Committee, Prostate Cancer Foundation of Australia

2011- Post-doctoral Fellow Advisory Committee, Harvard School of Public Health

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

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

2011- Head of Cancer Epidemiology Concentration, Harvard School of Public Health

2011- Co-Leader of Cancer Epidemiology Program, Dana Farber/Harvard Cancer Center

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

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

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

2013 Grant Review Committee, Health Research Board of Ireland

2013 Grant Review Committee, Irish Cancer Society Career Development Awards

2013- Harvard School of Public Health Disciplinary Board

**Professional Societies:**

 2001-5 Society for Epidemiological Research, Member

2003- American Association for Cancer Research, Associate Member

**Journals:**

 2003- Ad-Hoc Reviewer, International Journal of Cancer

2004- Ad-Hoc Reviewer, Cancer Causes and Control

2004- Ad-Hoc Reviewer, Cancer Epidemiology, Biomarkers and

Prevention

2005- Ad-Hoc Reviewer, Journal of the National Cancer

Institute

* 1. Ad-Hoc Reviewer, Journal of Food Composition and Analysis

2006-2008 Editorial Board, Menopause

* 1. Editorial Board, The Open Epidemiology Journal
1. Ad-Hoc Reviewer, Clinical Cancer Research

2008- Ad-Hoc Reviewer, American Journal of Pathology

1. Ad-Hoc Reviewer, Cancer Research

2009- Associate Editor, Cancer Causes Control

2010- Ad-Hoc Reviewer, Lancet Oncology

2011- Editorial Board, Clinical Genitourinary Cancer

2011- Ad-Hoc Reviewer, British Journal of Urology International

**Awards and Honors:**

 2003- 10 NIH Loan Repayment Program Award, National Institutes of

Health

2003 James M. Dunning Award for Research Excellence,

Harvard School of Dental Medicine

2005 American Society for Clinical Oncology Merit Award,

American Society for Clinical Oncology

1. American Cancer Society Travel Scholarship, ACS
2. Harvard Dependent Care Fund Award
	1. Michael Milken Scholar, Prostate Cancer Foundation
3. Top Performing Young Investigator, Prostate Cancer Foundation

2010 Harvard Dependent Care Fund Award

**Part II: Research, Teaching, and Clinical Contributions**

**A. Narrative report of Research and Teaching**

My major research focuses on the epidemiology of prostate cancer risk and progression within cohorts of men from the United States and Scandinavia, with an emphasis on cancer biomarker studies, including circulating markers, inherited genetic alleles, as well as tumor biomarkers.

**Pathoepidemiology of prostate cancer**. I co-lead the Prostate Cancer Patho-epidemiology team, a multidisciplinary effort that integrates pathology data and tumor biomarkers at the RNA, DNA and protein level into our epidemiological studies. The overarching objective of this work is to identify molecular signatures of lethal prostate cancer and response to therapy, and provide insight into the biology of prostate cancer risk factors and progression.  The projects leverage a tumor biorepository of 3,000 men with prostate cancer from the Physicians Health Study (PHS), Health Professionals Follow-up Study (HPFS), and a Swedish Watchful Waiting Cohort.  The US and Swedish projects are undertaken in concert with the DF/HCC Prostate Cancer SPORE, of which I am an active participant and from which I have received multiple research awards.

**Twin studies of cancer**. I am co-PI of a large-scale twin study of cancer among 300,000 twins from Sweden, Norway, Denmark and Finland. Within this unique resource, we aim to estimate the heritability in risk of various cancers, as well as to examine the relative contributions of genetic and environmental factors in cancer survival.  Future work in the twin setting will include a tumor tissue collection, in order to examine the heritability of somatic alterations in tumors.

**Walking group intervention study**. The main goal of treating men with high-risk prostate cancer is to improve cancer survival.  At the same time, cardiovascular and other chronic diseases represent half of causes of death among men with locally advanced tumors, while men with prostate cancer experience impairments in physical and mental quality of life, both from the cancer as well as from therapy.  Considering the patient holistically, the identification of lifestyle interventions that could improve survival, enhance the efficacy of therapeutic interventions, as well as improve overall health and quality of life would provide maximum benefit to men.  Physical activity post-diagnosis may represent such an intervention.  We recently completed a pilot study of a group walking intervention, whereby men were randomized to either usual care or SPARTACUS, a walking intervention of weekly group walks and were encouraged to maintain 10,000 steps per day on other days.  We are now planning a larger scale trial in Sweden and Iceland. Our overarching premise is that 1-) a cancer diagnosis represents a teachable moment when men are amenable to lifestyle change, 2-) walking represents a low cost physical activity sustainable throughout life, and 3-) a group environment provides men with an opportunity to discuss issues related to their cancer.

**Prostate cancer in Iceland** I am involved in a broad range of research projects on prostate cancer within The Reykjavik Study, a population-based cohort of men from Iceland.  These projects include the utilizing the unique dataset to study the role of early life diet on prostate cancer risk. In addition, I am leading up a project to investigate the sleep-melatonin hypothesis in prostate cancer using urinary biomarkers and measures of the pineal gland. I am a Visiting Professor at the University of Iceland, and supervise 1 doctoral student.

**Teaching.** Teaching has been a core activity for me over the past 8 years. I co-lead two HSPH based courses, Epidemiology of Cancer (EPI213) and Practice of Epidemiology (EPI205). I guest lecture in several HSPH courses, and I also co-lead a two-week bootcamp course at HMS entitled the Molecular Pathology and Epidemiology of Cancer for the graduate students. Additional mentoring activities include formal mentoring of doctoral and MPH students, working on research projects with clinical fellows in urology and radiation oncology at the Harvard teaching hospitals, and working with students and fellows through my role as head of the cancer epidemiology program at HSPH.

**B. Funding Information**

 2002-2008 Co-Investigator, N.I.H., R01CA090598, Growth Factors and

Prostate Cancer Risk

2003-2006 Investigator, D.O.D., PC031057, Department of Defense Idea

Development Award, A Population-Based Study of Dietary Acrylamide and Prostate Cancer Risk

 2004-2007 P.I., Dana Farber/Harvard Cancer Center Prostate SPORE,

Career Development Award, "A Composite Biomarker for Prostate Cancer Death"

 2005-2008 Investigator, D.O.D., PC040715, Department of Defense Idea

Development Award, Identification of Aggressive Prostate Cancer using SNP Analysis

 2005-2008 P.I., D.O.D., PC050696, Department of Defense New

Investigator Award, Molecular and Clinical Predictors of Aggressive Prostate Cancer

2006-2007 PI, DF/HCC Prostate SPORE Development Award, “Biomarkers of Angiogenesis and Development of Lethal Prostate Cancer”

2007-2010 Investigator, Department of Defense Idea Development Award, “The Infectious Pathogenesis of Prostate Cancer”

2007-2009 PI, Harvard William F. Milton Fund, “Infectious origins of prostate cancer”

2007-2009 PI, DF/HCC Prostate SPORE Developmental Project Award, “Genetic variation and the TMPRSS2:ETS fusion in prostate pathogenesis”

2008-2011 PI, Prostate Cancer Foundation Young Investigators Award, “Do dietary and lifestyle factors interact with the TMPRSS2:ERG fusion to predict progression”

2008-2013 Co-Investigator, NIH/NCI R01CA131945, “Metabolic syndrome, fatty acid synthase, and prostate cancer”

2008-2009 Co-Investigator, DF/HCC Prostate SPORE Developmental Project Award, NIH/NCI P50 CA90381, “Dietary phytoestrogens in relation to prostate cancer risk and progression”

2008-2009 Co-Mentor, DF/HCC Prostate SPORE Career Development Award (Stark), NIH/NCI P50 CA90381, “Proliferative inflammatory atrophy in prostate cancer: a patho-epidemiology study”

2008-2013 PI, Ellison Foundation, “Genetic and environmental contributions to cancer etiology and progression among 150,000 Nordic Twins”

2009-2014 PI, NIH/NCI RO1 CA136578-01, “Sex hormones and the TMPRSS2:ERG fusion in prostate cancer progression”

2009-2012 PI, DF/HCC Prostate SPORE Full Project Award, NIH/NCI P50 CA90381, “*TMPRSS2:ERG* and SPINK1 in Lethal Prostate Cancer”

2010-2015 Co-Investigator, NIH/NCI RO1 “Growth factors and lethal prostate cancer”

2010-2013 Principal Investigator, US Army Prostate Cancer Program Idea Development Award, “BRCA1 and Lethal Prostate Cancer”

2010-2013 Mentor, Icelandic RANNIS Foundation – Lara Siguradottir, “Melatonin and Prostate Cancer”

2010-2012 PI Subcontract, DF/HCC Prostate SPORE Full Project Award, NIH/NCI P50 CA90381, “Biguanides for the treatment of prostate cancer”

2010-2011 Principal Investigator, Harvard Catalyst Pilot Awards, “Melatonin and Prostate Cancer: A biomarker study among men in the Reykjavik Cohort”

2011-2014 PI Subcontract, US Army Prostate Cancer Impact Award, PC101749 - "A Systems Biology Approach to Link Nuclear Factor Kappa B Activation with Lethal Prostate Cancer”

2010-2011 PI Subcontract, NIH/NCI, “Antioxidant Pathways and Prostate Cancer Risk”

2011-2013 Mentor, DF/HCC SPORE in Prostate Cancer Mazzone Career Development Award, “Phosphorus and calcium intake, tumor microenvironment and prostate cancer progression”

2012-2015 PI Subcontract, US Army Prostate Cancer Program Impact Award, “Telomere length and lethal prostate cancer”

2011-2016 Collaborator, Harvard University Trandisciplinary Research in Energetics and Cancer (TREC), NCI/NIH

2011-2012 Mentor, Rose International Traveling Fellowship – Sarah Coseo Markt, “Sleep, melatonin and prostate cancer in Iceland”

2012-2013 Mentor, US Army Prostate Cancer Research Program Post-doctoral Fellowship-Julie Kasperzyk, “Prostate Cancer Tumor Heterogeneity”

2012-2015 Co-Investigator, US Army Idea Development Award, “De novo lipogenesis, fat intake and prostate cancer survival”

2012-2013 Principal Investigator, Dana Farber/Harvard Cancer Center Mazzone Awards Program Disparities Research Mechanism, “Estimating the Prostate Cancer Burden attributed to Lifestyle and Genetic Factors among African-American and White Men”

2012-2014 Co-PI, Prostate Cancer Foundation Challenge Award, “Shedding light on stromal-epithelial interactions in prostate cancer carcinogenesis and mortality”

2012-2015 Mentor, Prostate Cancer Foundation Young Investigator Award– Stephen Finn, “Identifying non-coding RNA repertoires of aggressive prostate cancer”

2012-2014 Mentor, Urology Care Foundation Research Scholar Program – Mark Preston, “Association between Finasteride and High-grade or Lethal Prostate Cancer”

2012-2013 Mentor, Rose International Traveling Fellowship – Irene Shui, “Prostate cancer in Ireland”

2013-2018 Co-Investigator, NIH/NCI RO1, Bioinformatics Tools for Genomic Analysis of Tumor and Stromal Pathways in Cancer

2013-2016 Mentor, Prostate Cancer Foundation Young Investigator Award – Jennifer Rider, “The Immunomodulatory and Androgen-Associated Actions of Vitamin D in Prostate Cancer”

**C. Report of Teaching**

**1. Local contributions**

 **a. Graduate Medical Courses**

 1998 Introduction to Epidemiology, Boston University School

of Public Health

 *contact time prep time*

 Teaching 100 Graduate 40 hours/year 120 hours/year

Assistant Students for 1 year(s) for 1 year(s)

 1998-2000 Infectious Disease Epidemiology, Boston University School of

Public Health

 *contact time prep time*

 Teaching 35 Graduate 25 hours/year 55 hours/year

Assistant Students for 1 year(s) for 1 year(s)

 1999 Introduction to Epidemiology, Harvard School of Public

Health

 *contact time prep time*

 Teaching 110 Graduate 25 hours/year 55 hours/year

Assistant Students for 1 year(s) for 1 year(s)

 1999-2002 Epidemiology of Infectious Disease, Harvard School of Public

Health

 *contact time prep time*

 Teaching 60 Graduate 25 hours/year 55 hours/year

Assistant Students for 1 year(s) for 1 year(s)

 2000-2001 Epidemiological Analysis of Outbreaks and Infectious Disease,

Harvard School of Public Health

 *contact time prep time*

 Teaching 60 Graduate 25 hours/year 55 hours/year

Assistant Students for 1 year(s) for 1 year(s)

 2000-2002 Epidemiology of HIV/AIDS, Harvard School of Public Health

 *contact time prep time*

 Senior Teaching 40 Graduate 25 hours/year 75 hours/year

Assistant Students for 1 year(s) for 1 year(s)

 2000-2002 Analysis of Case-control and Cohort Studies, Harvard School

of Public Health

 *contact time prep time*

 Senior Teaching 90 Graduate 40 hours/year 120 hours/year

Assistant Students for 1 year(s) for 1 year(s)

 2001-2002 Epidemiology of Infectious Disease, Harvard School of Public

Health

 *contact time prep time*

 Senior Teaching 60 Graduate 40 hours/year 120 hours/year

Assistant Students for 1 year(s) for 1 year(s)

 2003 Design Issues in Epidemiology, Boston University School

of Public Health

 *contact time prep time*

 Lecturer 8 Graduate 3 hours/year 15 hours/year

 Students for 1 year(s) for 1 year(s)

 2004 Cancer Epidemiology, Boston University School of Public

Health

 *contact time prep time*

 Course Instructor 10 Graduate 40 hours/year 120 hours/year

/Director Students for 1 year(s) for 1 year(s)

 2004-2005 Cancer Prevention, Harvard School of Public Health

 *contact time prep time*

 Lecturer 45 Graduate 3 hours/year 25 hours/year

 Students for 1 year(s) for 1 year(s)

 2005 Advanced Topics in Cancer Epidemiology, Harvard School

of Public Health

 *contact time prep time*

 Course Instructor 10 Graduate 20 hours/year 60 hours/year

 Students for 1 year(s) for 1 year(s)

 2006-2007 Screening, Harvard School of Public Health

 *contact time prep time*

 Course Instructor 70 Graduate 32 hours/year 160 hours/year

 2006-pres Applied Biomarkers in Cancer Epidemiology, Harvard School of Public Health

 *contact time prep time*

 Lecturer 30 Graduate 2 hours/year 10 hours/year

2007- pres Practice of Epidemiology, Harvard School of Public Health

 *contact time prep time*

 Course Instructor 20 Graduate 32 hours/year 160 hours/year

2007- pres Cancer Epidemiology, Harvard School of Public Health

 *contact time prep time*

 Course Instructor 30 Graduate 32 hours/year 160 hours/year

2009 Nutritional Epidemiology of Cancer, Harvard School of Public Health

 Guest Lecturer 15 Graduate 2 hours/year 20 hours/year

2010 Molecular Pathology Bootcamp, Harvard Medical School

 Guest Lecturer 10 Graduate 2 hours/year 20 hours/year

2011-pres Molecular Pathology and Epidemiology Bootcamp, Harvard Medical School

 Co-course Leader 15 Graduate 25 hours/year 30 hours/year

2012-2013 Clinical Epidemiology, Clinical Effectiveness Program, Harvard School of Public Health Guest Lecturer

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

**b. Local Invited Presentations**

**Invited Seminar/Panels**

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

2006 Microvessel Density and architecture: biomarkers of lethal prostate cancer, Harvard Prostate Cancer Working Group, HSPH

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, Boston

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

2008 Genetic susceptibility and the *TMPRSS2:ERG* fusion, Dana Farber Harvard Cancer Center SPORE Meeting, DFCI

1. Dietary and biochemical predictors of prostate cancer risk and progression, the 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 Meeting, DFCI

2009 The *TMPRSS2:ERG* fusion in prostate cancer, Molecular Epidemiology Working Group Seminar, Harvard School of Public Health

2009 Prostate Cancer Epidemiology and the *TMPRSS2:ERG* fusion, Dana Farber/Harvard Cancer Center’s Conference on Cancer

2009 Translocations and Aberrations: a patho-epidemiology study of prostate cancer risk and progression, Epidemiology Seminar, Harvard School of Public Health

2009 *TMPRSS2:ERG* and SPINK1 in Lethal Prostate Cancer, Dana Farber/ Harvard Cancer Center Prostate SPORE, 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

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

2013 Exploring Mechanisms Underlying the Link between Obesity, Physical Activity and Lethal Prostate Cancer, Harvard Transdisciplnary Research in Energetics and Cancer Annual Meeting

2013 Dana Farber/Harvard Cancer Center Scientific Council Meeting, Tumor/Patient Genotyping Efforts within DF/HCC

**c. Advisory and Supervisory Responsibilities in Clinical or Laboratory Setting**

 2005-6 1 Graduate Student for 25 hrs/year, Supervisor,

Karolinska Institutet, Stockholm, Sweden

 2005- 8 Doctoral Students for 125 hrs/year, Supervisor/Thesis Committee,

Harvard School of Public Health

2006- 3 Master of Science Students for 15 hrs/year, Academic Advisor, Harvard School of Public Health

2006- 5 Post-doctoral Fellows for 75 hrs/year, Supervisor, Channing Laboratory, BWH/Harvard Medical School

2006-10 40 Post-doctoral Fellows/Instructors for 100 hrs/year, Peer-Mentor, Channing Laboratory, BWH/Harvard Medical School

1. 3 Radiation Oncology Fellows for 25 hours/year, Co-Mentor

Brigham and Women’s Hospital/HSPH

**d. Leadership Roles**

 2003-6 Organizer, Harvard Prostate Cancer Molecular Epidemiology Working Group, HSPH/DFCI/BIDMC/BWH

Responsibility: I organize and develop the agenda for the monthly meetings of the Harvard Prostate Cancer Working Group, including developing ideas and themes for group discussion and arranging speakers.

 2004- Organizer and Advisory Member, Scandinavian-US

Prostate Cancer Collaborative and Summit, Harvard University and Karolinska Institutet

Responsibility: I am directing the epidemiology activities around our collaborative projects on molecular markers of indolent and aggressive prostate cancer between research institutes in the US and Sweden, and I am a member of the Advisory Group overseeing the collaboration. I also was an organizer for the first Scandanavian-US Prostate Cancer Summit held in September 2005 in the Stockholm archipelago in which we discussed the research agenda for the upcoming year.

 2005-11 Director, Channing Peer Mentoring, BWH/HMS

 Responsibility: I supervise the peer mentoring activities for 40 post-doctoral fellows and Instructors affiliated with the Channing Laboratory, and am directly responsible for mentoring of 13 individuals. I helped to develop this program in order to improve the post-doctoral experience, and provide additional mentorship. I meet twice per year with the fellows, and as needed, and provide guidance on a diverse array of issues.

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

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

2008 Organizer, Dana-Farber/Harvard Cancer Center Interdisciplinary Workshop: Incorporating novel tumor tissue analysis into population based studies of human cancer, Harvard Medical School. Organized speakers and scientific program for one day workshop on tumor tissue markers through the DFHCC

2009 Science Fair Judge, New England Science Symposium, Harvard Medical School. Served as Judge of Poster Session at this annual graduate student research symposium sponsored by the Harvard Medical School Minority Faculty Development Program of the Office of Diversity and Community Partnership

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

2010- Faculty Advisor, T32 Nutrition and Cancer Training Grant, Department of Epidemiology, Harvard School of Public Health

2010- Scientific Advisory Board, Prostate Cancer Foundation

2011- Member, Harvard School of Public Health Postdoc Advisory Committee

2012- Member, Movember Global Action Plan

2012- Head, Cancer Epidemiology Area of Concentration, Harvard School of Public Health

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

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

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

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

2013 Organizer, Dana Farber/Harvard Cancer Center, Celebration of Young Investigators in Cancer Research. Organized a half-day symposium of 80 people to celebrate the accomplishments and research of young investigators working in population science across the DF/HCC

**e. Advisees/Trainees**

 *Training Duration Name Current Position*

2004-6 Hayley Hunt Doctoral Student

2004-7 Katja Fall Post-doctoral Fellow

2004-6 Stephanie Bakaysa MPH Student

2005- Christine Jesser Doctoral Student (Primary Mentor)

2005-8 Jennifer Stark Doctoral Student (Secondary Mentor)

2005-8 Kathryn Wilson Doctoral Student (Secondary Mentor)

2006-9 Julie Kasperzyk Doctoral Student (Thesis Committee)

2006-9 Kathryn Penney Doctoral Student (Thesis Committee)

 2006-7 Patravoot Vatanasapt Masters of Science Student (Advisor)

2007- Aditi Hazra Postdoctoral Fellow (Secondary Mentor)

2007 Justin Manjourees Doctoral Student (Oral Committee)

 2007-8 Ioannis Rigas MPH Student (Advisor)

 2007-8 Julia Hayes MPH Student (Advisor)

2007-11 Irene Shui Doctoral Student (Advisor)

2007- Mara Meyer Doctoral Student (Advisor)

2008- Matthew Austin Doctoral Student (Oral Committee)

2008-11 Kathryn Wilson Post-doctoral Fellow (Mentor)

2008-11 Jennifer Stark Post-doctoral Fellow (Mentor)

2008 Keerthana Gnanapradeepan Continuing Umbrella of Research Experience (CURE) (Mentor)

2008- David Wheeler MPH Student (Advisor)

2008- Shih-Wen Lin MPH Student (Advisor)

2008- Michaela Cada MPH Student (Advisor)

2009 Blaine Thomas HMS Student (Summer Project Advisor)

2009- Lara Sigurdardottir PhD Student (University of Iceland; Co-

 Mentor)

2009- Wang Xiang Doctoral Student (Advisor)

2009- Rebecca Graff Doctoral Student (Advisor)

2009-10 Danielle Margalit MPH Student/Clinical Fellow (Mentor)

2009-10 Annette Kaufman MPH Student (Advisor)

2010- Elisabete Moller Doctoral Student (Karolinska Institutet; Co-Supervisor)

2010-2 Andreas Pettersson Post-doctoral Fellow (Mentor)

2010-2 Mara Meyer Post-doctoral Fellow (Mentor)

2010- Sarah Coseo Markt Doctoral Student (Advisor)

2010-11 Piotr Zareba MPH Student (Advisor)

2010-11 Tryggvi Thorgeirsson MPH Student (Advisor)

2010-2 Jennifer Sinnott Doctoral Student (Oral and Thesis Committee)

2011-2 Henry Park MPH Student (Advisor)

2011- Jennifer Rider Instructor/Assistant Prof (Faculty mentor)

2011-3 Jonathan Schoenfeld MPH Student/Clinical Fellow (Mentor/Research advising)

2011- Kathryn Wilson Research Associate (Mentor)

2011-2 Yen Chien MPH Student (Advisor)

2011-2 Sun Yi Moo MPH Student (Advisor)

2010- Ke Zu Doctoral Student (Oral and Thesis Committee)

2011- Mark Preston Clinical Fellow at MGH (Research advising)

2012 Gregory Judson MD student at Columbia (Faculty Mentor)

2012 Ran Zhang Doctoral Student (Oral Committee)

2012- Thomas Ahearn Post-doctoral Fellow (Mentor)

2012- Ericka Noonan Post-doctoral Fellow (Mentor)

2012- Travis Gerke Pre-doctoral Fellow (Mentor)

2012- Jennifer Sinnott Post-doctoral Fellow (Co-Mentor)

2012-3 Ardalan Ebrahimi MPH Student (Advisor)

**2. Regional, national, or international contributions**

**a. Graduate Medical Courses**

*International*

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

 *contact time prep time*

 Course Instructor 12 Graduate 20 hours/year 60 hours/year

/Director Students for 1 year(s) for 1 year(s)

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

 *contact time prep time*

 Course Instructor 15 Graduate 20 hours/year 60 hours/year

/Director Students for 1 year(s) for 1 year(s)

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

 *contact time prep time*

 Course Instructor 20 Graduate 20 hours/year 60 hours/year

/Director Students for 1 year(s) for 1 year(s)

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

 *contact time prep time*

 Course Instructor 25 Graduate 20 hours/year 60 hours/year

/Director Students for 1 year(s) for 1 year(s)

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

*contact time prep time*

 Course Instructor 35 Graduate 10 hours/year 20 hours/year

 Students for 1 year(s) for 1 year(s)

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

*contact time prep time*

 Guest Lecturer 35 Graduate 10 hours/year 20 hours/year

 Students for 1 year(s) for 1 year(s)

*National*

2012-3 American Association for Cancer Research Integrative Workshop on Molecular Epidemiology

*contact time prep time*

 Course Faculty 50 Graduate 40 hours/year 80 hours/year

 Students for 1 year(s) for 1 year(s)

**b. Invited Presentations**

**Invited Lecture and Symposium Panelist/Speaker**

*International*

 2004 Tissue Microarrays in Cancer Epidemiology, 2004 Hydra

Cancer Meeting, Hydra, Greece

2006 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 Tumor angiogenesis and prostate cancer mortality, University of Orebro, Orebro, Sweden

2008 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

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

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

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

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

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

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

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

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

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

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

*National*

 2004 Dietary acrylamide and risk of cancer, American Chemical

Society, 227th National Meeting in Anaheim, CA

2005 Dietary Acrylamide and risk of human cancer: the role of

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

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

2007 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 in Boston, MA

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

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

 2008 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 Tomatoes, lycopene and prostate cancer: is the association with disease progression mediated through angiogenesis? Tri-institutional Prostate Cancer Program Retreat, Baltimore, MD

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

1. 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

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

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

1. Genetic variation in antioxidant pathway and prostate cancer progression, SELECT Trial Symposium, Southwest Oncology Group, Dallas, TX
2. 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

1. 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, Sixth annual Multi-Institutional Prostate Cancer Program Retreat, Ft. Lauderdale, FL

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

*Regional*

 2004 Acid-labile Subunit and Prostate Cancer Risk: A

Prospective Study, Slone Epidemiology Seminar, Boston University School of Public Health, Boston, MA

 2005 Identifying Molecular Markers of Indolent and Aggressive

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

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

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

**b. Professional Leadership Roles related to Teaching**

2005- International Harvard University-Karolinska Institutet

Conference organizer for the first Scandanavian-US Prostate Cancer Summit, held in the Stockholm archipelago in September 2005. Organized scientific agenda and conference participants for this international working group supporting collaborations on prostate cancer research between researchers from leading medical universities in the US (Harvard University, University of Michigan) and Sweden (Karolinska Institutet, Uppsala University, University of Orebro).

 2006-10 Director, Channing Peer Mentoring Program

 One of three co-directors of peer mentoring program for 40 fellows and instructors affiliated with the Channing Laboratory. Meet fellows individually to provide guidance to optimize the post-doctoral experience, Brigham and Women’s Hospital

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

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

2011-3 Faculty Member, American Association for Cancer Research Integrative Workshop on Molecular Epidemiology

2012 Organizer and Discussion Leader, Risk Session, 5th Multi-Institutional SPORE Meeting, Ft Lauderdale

2012 Organizer and Co-Leader, 6th Annual International Prostate Cancer Patho-Epidemiology Retreat, Martha’s Vineyard

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

2013 Organizer and Discussion Leader, Risk Session, 6th Multi-Institutional SPORE Meeting, Ft Lauderdale

**3. Description of Teaching Award(s) Received**

2005 Teaching Commendation

Harvard School of Public Health

**Part III: Bibliography**

**Original 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, Silverman JG, Aynalem G, **Mucci L** and Brooks DR. Use of medical care, police assistance, and restraining orders by women reporting intimate partner violence--Massachusetts, 1996-1997. MMWR 2000;49(22):485-8.

4. 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.

5. 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.

6. 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. PubMed Central PMCID: PMC2363586.

7. 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.

8. 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.

9. 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.

10. 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.

11. 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;286(5):572-9.

12. Brooks DR and **Mucci LA**. Support for smoke-free restaurants among Massachusetts adults, 1992-1999. Am J Public Health 2001;91(2):300-3. PubMed Central PMCID: PMC1446536.

13. 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.

14. **Mucci LA** and Brooks DR. Lower use of dental services among long term cigarette smokers. J Epidemiol Community Health 2001;55(6):389-93. PubMed Central PMCID: PMC1731911.

15. **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.

16. 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.

17. **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.

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19. Kuper H, Ye W, Broome U, Romelsjo A, **Mucci LA**, Ekbom A, Adami HO, Trichopoulos D and Nyren O. The risk of liver and bile duct cancer in patients with chronic viral hepatitis, alcoholism, or cirrhosis. Hepatology 2001;34(4 Pt 1):714-8.

20. 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. PubMed Central PMCID: PMC2364115.

21. Lagiou P, Tamimi R, Lagiou A, **Mucci L** and Trichopoulos D. Is epidemiology implicating extremely low frequency electric and magnetic fields in childhood leukemia? Environ Health Prev Med 2002;7(2):33-9. PubMed Central PMCID: PMC2723397.

22. 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.

23. 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.

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27. Brawarsky P, Brooks DR and **Mucci LA**. Correlates of colorectal cancer testing in Massachusetts men and women. Prev Med 2003;36(6):659-68.

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30. 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.

31. Brooks DR, **Mucci LA**, Hatch EE and Cnattingius S. Maternal smoking during pregnancy and risk of brain tumors in the offspring. A prospective study of 1.4 million Swedish births. Cancer Causes Control 2004;15(10):997-1005.

32. 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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38. Lagiou P, **Mucci L**, Tamimi R, Kuper H, Lagiou A, Hsieh CC and Trichopoulos D. Micronutrient intake during pregnancy in relation to birth size. Eur J Nutr 2005;44(1):52-9.

39. Margolis KL, **Mucci L**, Braaten T, Kumle M, Trolle Lagerros Y, Adami HO, Lund E and Weiderpass E. Physical activity in different periods of life and the risk of breast cancer: the Norwegian-Swedish Women's Lifestyle and Health cohort study. Cancer Epidemiol Biomarkers Prev 2005;14(1):27-32.

40. Bradbury BD, Brooks DR, Brawarsky P and **Mucci LA**. Test-retest reliability of colorectal testing questions on the Massachusetts Behavioral Risk Factor Surveillance System (BRFSS). Prev Med 2005;41(1):303-11.

41. Rubin MA, Bismar TA, Andren O, **Mucci L**, Kim R, Shen R, Ghosh D, Wei JT, Chinnaiyan AM, Adami HO, Kantoff PW and Johansson JE. Decreased alpha-methylacyl CoA racemase expression in localized prostate cancer is associated with an increased rate of biochemical recurrence and cancer-specific death. Cancer Epidemiol Biomarkers Prev 2005;14(6):1424-32.

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44. **Mucci LA**, Bjorkman L, Douglass CW and Pedersen NL. Environmental and heritable factors in the etiology of oral diseases--a population-based study of Swedish twins. J Dent Res 2005;84(9):800-5.

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51. Lagiou P, Sandin S, Weiderpass E, Lagiou A, **Mucci L**, Trichopoulos D and Adami HO. Low carbohydrate-high protein diet and mortality in a cohort of Swedish women. J Intern Med 2007;261(4):366-74.

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**Letters to the Editor**

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**Thesis**

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