###### CURRICULUM VITAE

# Thomas A. Sellers

# PERSONAL INFORMATION:

Date of Birth: September 21, 1958

Place of Birth: Ashland, Ohio

Marital status: Married (Barbara) with two sons (Jamison Thomas, Ryan Austin)

# PRESENT ACADEMIC RANK AND POSITION:

2012-Present Center Director, Moffitt Cancer Center

2006-Present Director, Moffitt Research Institute

2003-Present Executive Vice President, H. Lee Moffitt Cancer Center & Research Institute

2003-2012 Associate Center Director, Cancer Prevention & Control, H. Lee Moffitt Cancer Center & Research Institute

2004-2007 Adjunct Professor, Department of Interdisciplinary Oncology, College of Medicine, University of South Florida, Tampa, Florida

2004-Present Adjunct Professor, Department of Epidemiology and Biostatistics, College of Public Health, University of South Florida, Tampa, Florida

2008-Present Adjunct Professor, Department of Oncologic Sciences, College of Medicine, University of South Florida, Tampa, FL

2008-Present Adjunct Professor, Department of Epidemiology and Health Policy Research, University of Florida, Gainesville, FL

# FORMAL EDUCATION:

1979A.A.American River College, Physical Science

1982 B.S. University of California at Davis, Community Nutrition

1984 M.P.H. Tulane University, School of Public Health and Tropical Medicine, Epidemiology

1988 Ph.D. Tulane University, Epidemiology

1989 Post-doc Louisiana State University Medical Center, Genetic epidemiology

# HONORS AND AWARDS:

1977, 1979 Honors, American River College

1982, 1983 US Public Health Service Traineeship

1984 Delta Omega Honorary Society of Public Health, Eta Chapter

1. Tulane University Scholarship

1988 Sigma Xi Scientific Research Society

1989 Postdoctoral Prize, Sigma Xi/LSUMC Research Day

1991 Bush Foundation Excellence in Teaching Program

1992 Paul N. Larson Memorial Lecture - University of Minnesota

1. Alpha Theta Lecture - University of Mississippi Medical Center
2. Elected member, American Epidemiological Society

2002 James B. Knight Memorial Lecture

# PREVIOUS PROFESSIONAL POSITIONS AND APPOINTMENTS:

1986-1988 Clinical Instructor, Department of Medicine, Section of Genetics, Louisiana State University Medical Center

1989-1993 Assistant Professor, Division of Epidemiology, School of Public Health, University of Minnesota

1993-1998 Associate Professor, Division of Epidemiology, School of Public Health, University of Minnesota

1994-1997 Epidemiology Major Chair, Division of Epidemiology, School of Public Health, University of Minnesota

1994-1998 Associate Director, Population Sciences, University of Minnesota Cancer Center

* 1. Leader, Prevention and Etiology Program, University of Minnesota Cancer Center

1998-2002 Leader, Genetic Epidemiology and Risk Assessment Program, Mayo Cancer Center

* 1. Associate Director, Mayo Cancer Center, Mayo Clinic, Rochester

1998-2003 Adjunct Associate Professor, Division of Epidemiology, School of Public Health, University of Minnesota

1999-2003 Professor of Epidemiology, Department of Health Sciences Research, Mayo Medical School, Mayo Clinic, Rochester

2002-2003 Deputy Director, Mayo Cancer Center, Mayo Clinic, Rochester

# PROFESSIONAL ACTIVITIES:

## **Memberships in Professional Societies:**

 Society for Epidemiologic Research (1987)

 American Association for Cancer Research (1990)

 International Genetic Epidemiology Society (1991)

 American Society for Preventive Oncology (1996)

## **Service for Professional Societies:**

American Association for Cancer Research (AACR)

 1992 Session Chair, Epidemiology and Prevention, 83rd Annual Meeting

 1998-1999 Chair, DeWitt S. Goodman Lectureship Committee

1. Co-Chair, Educational Symposium "Interface of epidemiology and genetics"
2. Program Committee Member, 90th Annual Meeting
3. Program Committee Member, 91st Annual Meeting

2002 Member, AACR Strategic Planning Retreat

2002 Member, Scientific Committee, 1st International Conference on Frontiers in Cancer Prevention Research

2002 Chair, Nominating Committee, Molecular Epidemiology Group

1. Member, Scientific Committee, 2nd International Conference on Frontiers in Cancer Prevention Research
2. Member, Scientific Committee, 3rd International Conference on Frontiers in Cancer Prevention Research

2004 Professional Advancement Series Sunrise Session on Career Transitions, 95th Annual Meeting

2004 Member, Nominating Committee, 2004-2005 Cancer Epidemiology and Prevention Awards

2004-5 Member, Education Program Committee, 96th Annual Meeting

2004-5 Chair, Program Subcommittee on Genetics of Risk and Outcome, 96th Annual Meeting

1. Forum Chair, “Opportunities and Barriers in the Age of Team Science”, 96th Annual meeting

2005-6 Chair, Molecular Epidemiology Group

2005 Member, Scientific Review Committee, 4th Annual International Conference on Frontiers in Cancer Prevention Research

2005-6 Member, Program Committee, 97th Annual Meeting

2005-7 Member, Centennial Anniversary Program Committee

2006-7 Co-Chair, AACR Special Conference “Approaches to Complex Pathways in Molecular Epidemiology”

2006-7 Member, Program Committee, Annual International Conference on Frontiers in Cancer Prevention Research

 2006-7 Member, AACR-Eli Lilly Team Science Award Committee

2007 Session Chair, Pathway Discovery and Molecular Signatures, 6th Annual International Conference on Frontiers in Cancer Prevention Research

2008 Program Committee Member, Session Chair, and Speaker, AACR Special Conference on Candidate Pathways, Whole Genome Scans: Reconciling Results, Looking into the Future

2008 Co-Chair, Selection Committee, 2008-9 Cancer Epidemiology and Prevention Awards

2010 Committee Member, AACR Special Conferences Committee, 2010-2012

2010 Faculty Member, AACR Scientist <-> Survivor Program, 101st Annual Meeting

2010-2013 Executive Committee Member, AACR Clinical & Translational Research Committee

2010 Co-Chair, AACR Special Conference, The Future of Molecular Epidemiology: New Tools, Biomarkers, and Challenges

2010 Co-Chair, Education Committee, 102nd Annual Meeting

2011 Co-Chair, Program Committee, 102nd AACR Annual Meeting

2011-2014 Member, AACR Board of Directors

2011-2014 Member, AACR Cancer Prevention Committee

2013- Member, AACR Scientific Program Committee

American Society for Preventive Oncology (ASPO)

1. Panel member, Career Development for Junior Scientists, 25th Annual meeting, New York, NY.
2. Program Co-Chair, 30th Annual meeting, Houston, TX

2007-2010 Director-at-Large, member of Executive Committee

International Genetic Epidemiology Society (IGES)

 1991-1994 Member, Organizing Committee

1999-2002 Member, Board of Directors

 1991-1992 Chair, Local Arrangements Committee, Annual Meeting

 1992 Session Chair, Gene-Environment Interactions, 1st Annual Meeting

1995-1996 Member, Publications Committee

1996 Chair, Publications Committee

 2005-6 Chair, Local Arrangements Committee, Annual Meeting

## **Editorial Activities:**

### Reviewer for Journals (year of first review)

American Journal of Epidemiology (1989)

American Journal of Industrial Medicine (1993)

American Journal of Human Genetics (2001)

Annals of Epidemiology (1996)

BMC Cancer (2005)

British Journal of Cancer (2000)

Cancer (1992)

Cancer, Causes and Control (1992)

Cancer Detection and Prevention (1997)

Cancer Epidemiology, Biomarkers and Prevention (1992)

Cancer Research (1989)

Carcinogenesis (2003)

Circulation (1990)

Diabetes (1990)

Epidemiology Reviews (1995)

Gastroenterology (2002)

Genetic Epidemiology (1991)

Genetics in Medicine (1998)

Gynecologic Oncology (1999)

Human Genetics (2001)

International Journal of Cancer (1994)

International Journal of Epidemiology (1995)

Journal of the American Medical Association (1993)

Journal of Clinical Oncology (2003)

Journal of Medical Genetics (2002)

Journal of the National Cancer Institute (1994)

Lancet (2002)

Lung Cancer (2006)

Mayo Clinic Proceedings (2000)

Molecular Cancer Research (2006)

Nature Genetics (2008)

New England Journal of Medicine (1994)

Obstetrics & Gynecology (2001)

Oncology Research (1993)

PNAS (2010)

Preventive Medicine (1994)

Public Health Nutrition (2001)

### Editorial Boards

 American Journal of Epidemiology (1996 - 2013)

 Cancer Epidemiology, Biomarkers, and Prevention (1998 - 2003)

 Genetic Epidemiology (2000 - 2005)

 Cancer Control: Journal of the Moffitt Cancer Center (2003 – 2013)

 Journal of Clinical Oncology (2007 - present)

 Frontiers in Applied Genetic Epidemiology (2011 – present)

Senior Editor

 Cancer Epidemiology, Biomarkers, and Prevention (2003 - 2008)

Deputy Editor

 Cancer Epidemiology, Biomarkers, and Prevention (2008 - present)

## **Study Section Activities:**

### Review Committees:

######  1999 - 2003 Member, National Cancer Institute Committee A - Cancer Centers

 2008-Present Member, National Cancer Institute Board of Scientific Counselors

 2009-Present Member, Cancer Prevention Research Institute of Texas, Translational Research Committee

### Site Visits:

 1994 Member, National Cancer Institute Site Visit of a Cancer Center Support Grant Application

 1996 Member, National Cancer Institute of Canada - Review of a Program Project Grant on Cancer Prevention

 1996 Member, National Cancer Institute Site Visit of a Program Project Grant Application

1. Member, National Cancer Institute Ad-Hoc Site Visit of an Intramural, Division of Basic Sciences Laboratory Program

1996 Member, National Cancer Institute Site Visit of a Program Project Grant Application

1. Member, National Cancer Institute Site Visit of a Program Project Grant Application

1998 Member, National Cancer Institute Site Visit of a Program Project Grant Application

1998 Member, Cancer Research Campaign, Site Visit Review of the Genetic Epidemiology Unit

 2003 Member, Cancer Research Campaign review of the Genetic Epidemiology Research Unit (Doug Easton), University of Cambridge

1. Member, Cancer Research Campaign review of the Genetic Epidemiology Research Unit (D. Timothy Bishop), University of Leeds

2005 Member, National Cancer Institute Site Visit of a Cancer Center Support Grant Application

 2005 External reviewer, International Agency for Research on Cancer, Genetic Epidemiology Cluster, Lyon, France

2007 Member, National Cancer Institute Site Visit of a Cancer Center Support Grant Application

2008 Member, National Cancer Institute Site Visit of a Cancer Center Support Grant Application

### Special Study Sections:

######  1993 Member, National Cancer Institute Special Review Committee on Ovarian Cancer

1. Chair, National Cancer Institute Special Review Committee

 1995 Member, National Cancer Institute Special Review Committee on the Molecular Epidemiology of Prostate Cancer

1. Member, National Cancer Institute Special Review Committee on Program Projects in Nutrition and Basic Biology Research for Cancer Prevention

 1997 Member, National Cancer Institute Special Review Committee on Cooperative Family Registry for Epidemiologic Studies of Colon Cancer

 1997 Member, National Cancer Institute Special Review Committee, Scientific Program Grant Application

 1997 Member, National Cancer Institute Program Project Teleconference Review

 1999 Member, National Cancer Institute Program Project Teleconference Review

1. Member, National Cancer Institute SNEM-3 Special Emphasis Review Panel

 2008 Ad-Hoc Member, EPIC Study Section, Conflict Review Panel

### U.S. Army Medical Research and Materiel Command:

 1995 Member, Breast Cancer Epidemiology Review Section

 1996 Member, Breast Cancer Epidemiology Review Section

 1997 Member, Breast Cancer Epidemiology Review Section

 1998 Member, Prostate Cancer Epidemiology Review Section

 1999 Member, Breast Cancer Epidemiology Review Section

1. Member, Prostate Cancer Epidemiology Review Section

2003 Member, Breast Cancer Epidemiology Review Section

2004 Member, Breast Cancer Epidemiology Review Section

2005 Chair, Breast Cancer Epidemiology Review Section

2006 Chair, Breast Cancer Epidemiology Review Section

2007 Member, Breast Cancer Epidemiology Review Section

### Miscellaneous Review Activities:

 1997 Member, Cancer Research Campaign review of the Genetic Epidemiology Research Unit (Doug Easton), University of Cambridge

 1998 Member, National Cancer Institute, Division of Basic Sciences Collaborative Project Awards Review

 1999 – 2006 Outside reviewer, UT MD Anderson training grant applicants, Dr. R. Chamberlain, PI.

 1999 Outside reviewer, Cancer Research Campaign review of a Project Grant

 1999 Outside reviewer, University of Minnesota Cancer Center, CCSG pilot study supplement for population science

1. Reviewer, Volkswagen Foundation, Division of Medicine, Germany

2001 Outside reviewer, Cancer Research Campaign project grant application

2001 Member, Flight Attendant’s Medical Research Institute Review Panel

 2004 Member, National Cancer Institute, Review of the Genetic Epidemiology Branch (M. Tucker)

 2005 Outside reviewer, Cancer Research Campaign review of a Project Grant

 2006 Member, National Cancer Institute, Review of the Laboratory of Population Genetics

 2007 Outside reviewer, Cancer Research UK, Project Grant application

 2008 Member, National Cancer Institute, Review of the Division of Cancer Epidemiology and Genetics

 2008 Outside reviewer, University of Minnesota Cancer Center, CCSG pilot study supplement for population science

 2010 Outside reviewer, Cancer Research UK Programme Grant

 2011 Outside reviewer, Dutch Cancer Society (KWF Kankerbestrijding), Grant application

 2011 Outside reviewer, Medical Research Council, Cape Town, South Africa, Review of Cancer Epidemiology Research Unit

## **Advisory Committees and Invited Workshops:**

 1991 National Cancer Institute, Organ Systems Branch, Investigational Strategies for Detection and Intervention in Early Lung Cancer

 1992 National Cancer Institute, Division of Cancer Etiology, Genetic Epidemiology of Cancer: A Multidisciplinary Approach

 1992 Office of Academic Affairs, University of Minnesota, Focus group for the Bush Foundation Grant Proposal

 1993 National Cancer Institute, Division of Cancer Etiology, Adenocarcinoma of the Lung

 1994-2003 Minnesota Department of Health, Minnesota Cancer Surveillance System Peer Review Committee

 1996 Board on Radiation Effects Research, National Research Council, Workshop on New Approaches to a biologically-based risk model for low-dose, low dose-rate high LET radiations

1. Minnesota Department of Health, Ad Hoc Advisory Committee on Genetics

1998 National Cancer Institute, Society of Gynecologic Oncologists, Implementation meeting for “New Directions in Ovarian Cancer Research”

 1999 National Cancer Institute, Division of Cancer Control and Population Sciences, Epidemiology and Genetics external review.

 2001-2005 Cancer Genetics Network Advisory Committee, National Cancer Institute, Division of Cancer Control and Population Sciences

1. National Cancer Institute, National Cancer Advisory Board, Ad-hoc subcommittee on the “Development of a National Biotechnology Initiative for Cancer.”
	1. National Cancer Institute, The Translational Research Working Group (TRWG)
2. National Cancer Institute, Executive Committee Retreat: An NCI Forum on Future Trends in Cancer Research
3. National Cancer Institute, Process to Accelerate Translational Science Working Group (PATS WG)
4. National Cancer Institute, Integrating knowledge of inherited genetic variation and acquired somatic alterations in cancer tissues: Promising scientific opportunities. (NCI Workshop)
5. Member, Stand Up to Cancer (SU2C) Scientific Review Committee.

## **External Advisory Boards:**

Cancer Centers

1998-Present University of North Carolina, Chapel Hill, Lineberger Cancer Center

2001-2007 University of Oklahoma Cancer Center

2002-2009 M.D. Anderson Cancer Center

2002-2007 Baylor College of Medicine Cancer Center

2002-Present Louisiana Cancer Research Consortium

 2003-Present Case Western Reserve University Comprehensive Cancer Center

 2003-2012 City of Hope Comprehensive Cancer Center

 2004-2009 UCLA Jonson Comprehensive Cancer Center

 2004-2011 James Graham Brown Cancer Center, University of Louisville

* 1. University of Nebraska Cancer Center

2005-2012 University of Arizona Cancer Center

2005-Present Robert H. Lurie Comprehensive Cancer Center, Northwestern University

2005-Present St. Jude Children’s Research Hospital

2006-Present University of New Mexico Comprehensive Cancer Center

2007-Present Yale University Cancer Center

2007-Present Emory University Winship Cancer Center

2008-Present University of Iowa Holden Comprehensive Cancer Center

2009-Present Vanderbilt, Ingram Comprehensive Cancer Center

2009-Present Kimmel - Johns Hopkins University Comprehensive Cancer Center

2009-2013 Tisch Cancer Institute – Mt Sinai School of Medicine

2010-2013 University of Michigan Comprehensive Cancer Center

2010-Present Nationales Centrum fur Tumorerkrankungen (NCT), Heidelberg, Germany

2011-Present New York University Cancer Institute

2013-Present University of California at Davis Comprehensive Cancer Center

Other

 1993-1996 Department of Community Medicine, Mount Sinai School of Medicine, NIEHS Center Grant, Dr. P. Landrigan, PI.

 1996-2001 Duke Comprehensive Cancer Center, Cancer Prevention Research Unit, Dr. B. Rimer, PI

 1997-1999 University of Michigan, School of Public Health, Interdisciplinary Studies in Public Health Genetics, Dr. S. Coumartin, PI.

1999-2000 American Cancer Society, Epidemiology and Surveillance Research Program, Dr. M. Thun, Vice President

1999-2002 University of Minnesota, Childhood Cancer Survivor Study, Dr. L. Robison, PI.

2000-2005 University of Nebraska, Program Project Grant on Chemical carcinogenesis of hormonal malignancies, Dr. E. Cavalieri, PI.

2001-Present Vanderbilt University, Shanghai Women’s Health Study, Dr. W. Zheng, PI

2004-2007 Wayne State University, Center for Urban African American Health, Dr. John M. Flack, PI.

2010-present Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Internal Advisory Committee, Bankhead Coley Pre SPORE Grant, Dr. W. Jarrard Goodwin, PI

2011-present St. Jude Children’s Hospital, The Childhood Cancer Survivor Study, Dr. L. Robison

2012-present HMO Cancer Research Network, CRN, Dr. Larry Kushi.

## **Other Professional Activities:**

 1989-1994 Associate Member, Graduate Faculty in Epidemiology, University of Minnesota

 1990-1995 Member, Institute of Human Genetics, University of Minnesota

 1992-1995 Associate Member, Graduate Faculty in Molecular, Cellular, Developmental Biology and Genetics, University of Minnesota

 1994-1998 Full Member, Graduate Faculty in Epidemiology, University of Minnesota

 1995-1998 Executive Member, Institute of Human Genetics, University of Minnesota

 1995-1998 Full Member, Graduate Faculty in Molecular, Cellular, Developmental Biology and Genetics, University of Minnesota

2001 Member, Search Committee for Associate Director of the Epidemiology and Genetics Research Program of the National Cancer Institute

2008-2011 Board Member, American Cancer Society, Greater Tampa Unit

# EDUCATIONAL ACTIVITIES:

**Moffitt**

Course Topic Dates

Interdisciplinary Oncology Clerkship Translational genetics: bench

 to bedside to population. July 2006

BCC 8117: Cancer Genetics Translational genetics research 2006-present

CPH 2022: Epidemiology Methods II Genetic epidemiology October 2007

### Mayo Medical School

Course Topic Dates

MMS III Clinical Epidemiology Course Hypothesis Testing July 1998

MMS III Clinical Epidemiology Course Risk April 1999

### Mayo Graduate School of Medicine

Course Topic Dates

Core Oncology Curriculum Genetic Epidemiology August 1998

Tumor Biology Genetic Susceptibility February 1999

HSR5910 – Epidemiology of Cancer Course Co-Director Spring 2000

HSR5910 – Epidemiology of Cancer Course Co-Director Spring 2002

PubH 5381 – Genetics in Public Health Cancer Genetics Spring 2002

### Mayo Continuing Medical Education

Course Topic Dates

Clinical Research Assoc./Nurse Workshop Lifestyle Factors & Treatment

 Outcomes April 1999

Clinical Research Assoc./Nurse Workshop Folate, Alcohol & Breast CA April 2001

Society of Clinical Research Associates Overview of Epidemiology June 2001

Nutrition in Health and Disease Nutrition in Cancer Prevention Sept.2001

Nicotine Dependence Conference Unraveling the Role of Genetics in

 Nicotine Dependence Nov 2001

Cancer Prevention: From Evidence to How to Prevent Cancer and May 2002

 Implementation still Enjoy Life

Women’s Health & Sex-Based Medicine Diet & Cancer Risk Sept 2002

### University of Minnesota

Courses Taught Role Dates

PubH 5330: Epidemiology I Lecturer Fall 1989

 Co-instructor Winter, Fall 1990

 Director Summer 1990

 Winter 1991 - 1993

 Co-director Su, Fall, Spr 1991

 Summer 1993,

 Winter 1994-1997

PubH 5381: Genetic Epidemiology Co-director Spr 1991-1994, 1997

 Director Spr 1995-1996

PubH 5399: Workshop on Epidemiologic

 Principles (at Rochester) Director Summer, 1995

Lectures Topic Dates

PubH 5330: Epidemiology I Measures of Association Fall 1989

 Genetic Epidemiology Fall 1989

 Summer 1992

 Rate adjustment Fall 1997

PubH 5387: Cancer Epidemiology Breast Cancer Winter 1990-1992

 Genetics of Breast/Lung Ca Winter 1990-1992

 Genetics and Cancer Winter 1994-1997

 Breast cancer seminar Winter 1994-1996

PubH 5340: Epidemiology II Vinyl Chloride and Cancer Winter 1990,2

 Design of Case-control

 Studies of Leukemia Winter 1990

 Oral Contraceptives Winter 1992

PubH 8379: Chronic Dis. Epi. Student seminar Fall 1990

PubH 5399: Biomarkers for

 Epidemiologic Research Genetic Susceptibility Spring 1991

InMd 5-120: Foundations of Rates and Risk Summer,

 Preventive Medicine 1992-1996

Biol 3950: Mol. Biol of cancer Genetic epi of breast ca Spring 1994

Nursing 5450: Intro to Comm. Hlth Princ. of epidemiology Summer 1994-1997

PubH 5770: Princ. of Publ Hlth Fundamental of epidem. Summer 1994, 1996

GCB 5073: Adv Human Genetics Genetic epidemiology Winter 1995-1997

PubH 5381: Genetics in Public Health Genetic epi of cancer Spring 2002

Seminar Presentations Topic Dates

Faculty: Genetic Epidemiology of Lung Cancer Spring 1990

Faculty: Familial Risk Factors and Breast Cancer Spring 1992

Faculty: Familial Clustering of Malignancy

 as Clues to Etiology Winter 1994

CME: Genes & Cancer Gene environment interactions Fall 1994

Faculty: Genetic Factors and Postmenopausal

 Breast Cancer: What’s the Evidence? Fall 1995

U of M Cancer Center: Genetic and Environmental Factors in

 Mammographic Breast Density Winter 1997

Grand Rounds Presentations Title Dates

Pediatrics From the Gene to the Bedside: Is it

 Just Down the Hall? Winter 1994

Obstetrics and Gynecology The Epidemiology of Breast Cancer

 as a Guide for the Clinician Winter 1995

### Other Institutions or Professional Societies:

Lectures Audience Dates

Case-control studies PERI course on Pharmacoepidemiology Nov 1991-1992

Genetic Epidemiology UTSPH Cancer Epidemiology July 1992

Sample size and power PERI course on Pharmacoepidemiology Nov 1992

### Formal Trainees - Mayo Clinic and Mayo Foundation:

## Name: Department Program Dates

Aminah Jatoi, MD Medical Oncology GCRC fellow 2000 – 2003

Andre Baron, PhD Molecular Biology K07 1999 – 2003

James Cerhan, MD, PhD Health Sciences Research K07 1999 – 2002

Yvonne Romero, MD Gastroenterology K23 2000 – 2003

Paul Limburg, MD Gastroenterology K07 2001 – 2003

Raghuram P. Reddy, MD Gastroenterology K12 2001 – 2003

Betty Mincey, MD Internal Medicine R23 2001 – 2003

Matthew Goetz, MD Hematology/Oncology K12 2001 – 2003

Karthik Ghosh, MD Internal Medicine K12 2001 – 2004

Yan Asmann, PhD Experimental Pathology R25T 2001 – 2003

Kai Wang, BS Biomedical Sciences MS 2002

Alison Shield, PhD Molecular Genetics CRTP 2005

**Formal Trainees – Moffitt Cancer Center**

Name: Department Program Dates

## Tuya Pal, MD Risk Assessment Detection K07 2005 - 2010

 & Intervention

 Jason Klapman, MD MCC Mentorship 2008

## **Formal Advisees - University of Minnesota:**

**Epidemiology**

Name: Degree Advising role Completion

Jean Goerss, MD MPH Examination Committee 1991

Angela Vargas, MD MPH Academic, Master’s project 1991

Ping-Ling Chen MPH Master’s project 1991

 PhD Academic, Examination Committee Chair 1994

Christine Nelson MPH Academic, Master’s Project Chair 1992

Carol McPherson MPH Master’s Project Chair 1993

Mary Codd, MD PhD Academic, Dissertation Reader 1996

Lorna Seybolt MPH Academic, Master’s Project Chair 1993

Todd Weaver MPH Academic, Master’s Project Chair 1994

Debbie Barnes-Josiah Post-doc Co-Mentor 1995

Dawn Grabrick MPH Academic, Master’s Project Chair 1997

 PhD Academic, Examination Committee Chair 2001

Julie Thompson MPH Academic 1997

Janet Olson PhD Academic, Examination Committee Chair 1998

Jim Pankow PhD Examination Committee Chair 1996

Leslie Nordgren MPH Academic 1998

Mary Jo Nissen, PhD MPH Academic 1998

Celine Vachon, MS PhD Examination Committee Chair 1998

Lynn Swanson MPH Academic 1998

Mauricio Ronderos, MD MPH Academic 1998

**Genetics**

Name: Degree Advising role Completion

Pamela Nutting MS Examination Committee 1992

Trine Levine MS Examination Committee 1993

Angela Tutera MS Master’s Project Chair 1994

Paula Winter MS Master’s Project Chair 1994

Karen Potter MS Master’s Project Chair 1994

Jill Bork MS Examination Committee 1995

Dave Ciske MS Master’s Project Chair 1995

Christine Woo MS Master’s Project Chair 1995

Scott Wildenberg PhD Examination Committee 1998

Becky Shrigley MS Examination Committee 1996

Jennifer Ruggenbach MS Examination Committee 1996

Amy Bazyk MS Master’s Project Chair 1997

Amanda Walsh MS Master’s Project Chair 1997

**Health Informatics**

Name: Degree Advising role Completion

Zhen Fang Ma MS Examination Committee 1990

Zhang Qing Zhuo PhD Dissertation Reader, Examination Comm. 1990

###### Badri Prass MS Examination Committee 1992

**Biostatistics**

Name: Degree Advising role Completion

David Hillman MS Examination Committee 1992

Shauna Hillman MS Examination Committee 1992

Jei-Yin Fang MS Examination Committee 1994

Anjana Sengupta PhD Examination Committee 1996

Yingjia Shen MS Examination Committee 1997

**Environmental Health**

Name: Degree Advising role Completion

Nick Denman MS Examination Committee 1992

Frank Gilliland, MD PhD Examination Committee 1992

Susan A. Beach MS Examination Committee 1993

Jeffery Dahloff MS Examination Committee 1993

**Other**

## Name: Degree Advising role Completion

Patrick J. Silgen MS, Biophysical Sci. Examination Committee 1996

Celine Vachon MS, Statistics Examination Committee 1995

**Formal Advisees – Moffitt Cancer Center**

Name: Degree Advising role Completion

Jenny Permuth-Wey PhD PhD Epidemiology 2010

 College of Public Health USF

# INSTITUTIONAL/DEPARTMENTAL ADMINISTRATIVE RESPONSIBILITIES, COMMITTEE MEMBERSHIPS, AND OTHER ACTIVITIES

### H. Lee Moffitt Cancer Center & Research Institute

2003 – 2010 Member, Executive Leadership Council

2003 – 2006 Member, Scientific Advisory Committee

2003 – present Member, Scientific Leadership Committee

2004 – 2006 Member, Protocol Review and Monitoring Committee

2004 – 2008 Chair, Lifetime Cancer Screening & Prevention Center Steering Committee

2004 – 2008 Chair, Lifetime Cancer Screening & Prevention Center Operations & Management Committee

2005 – 2006 Interim Chair, Executive Committee on Diversity

2006 - present Member, Executive Committee on Diversity

2006 – present Chair, MRI Research Executive Committee

2006 – present Chair, MRI Steering Committee

2007 – present Member, Bioinformatics Steering Committee

2008 – present Member, Vacancy Review Committee

### Mayo Clinic/Mayo Foundation

## Department of Health Sciences Research

2000 Member, Health Sciences Research Executive Committee

2000-2001 Member, Health Sciences Research, Research Committee

2001-2003 Chair, Health Sciences Research, Research Committee

Mayo Clinic Cancer Center

1998-2003 Member, Mayo Clinic Cancer Center Executive Committee

1998-2003 Member, Mayo Clinic Cancer Center, Director’s Advisory Committee

1998-2003 Member, Mayo Clinic Cancer Center, Science Review Committee

1998-2003 Member, Mayo Clinic Cancer Center, Operations and Management Committee

2000-2003 Member, MCCC Clinical Review Committee

2000-2003 Member, Ovarian Program Executive Committee

2000-2001 Member, Breast Program Executive Committee

Mayo Institutional Committees

1998 Protocol Program Reviewer (Ad-hoc), Clinical Research Subcommittee

2001 - 2003 Member, Finance Subcommittee, Mayo Rochester Research Operations Committee

2001 Member, Genomics Research Center Executive Committee

2001 – 2003 Member, Research Access Portal to Clinical Data (RAPCD) Steering Committee

2002 Member, George M. Eisenberg Professor Selection Committee

2003 Member, Genomics Research Center Oversight Committee

2003 Member, Rochester Research Committee

2003 Member, Clinical Research Subcommittee

### University of Minnesota

Division of Epidemiology:

1990-1992 Member, PhD Admissions Committee

1991 Member, Environmental Policy Committee

1991-1994 Chair, PhD Examinations Committee

1994 Member, MPH Admissions Committee

1. Member, MPH Curriculum Committee

1994-1997 Member, Division Training Committee

1995-1997 Chair, MPH Admissions Committee

1996-1998 Member, Computer Services Committee

1997-1998 Member, PhD Admissions Committee

1997-1998 Member, Faculty Advisory Committee

School of Public Health:

1990 Member, Ad Hoc Committee on Appointments, Promotions and Tenure

1994-1997 Member, Educational Policy Committee

1997-1998 Member, Appointments, Promotions and Tenure Committee

Academic Health Center:

1990-1994 Member, Health Sciences Committee on the Use of Human Subjects in Research

1992-1998 Member, Breast Cancer Program, University of Minnesota Cancer Center

1992-1996 Member, Genetics, Epidemiology and Prevention Program, University of Minnesota Cancer Center

1994 Member, Tickle Chair in Breast Cancer Search Committee

1994 Co-chair, Wallin Chair in Cancer Genetics and Prevention Search Committee, U of M Cancer Center

1997 Member*,* Cancer Genetics Task Force

**Association of American Cancer Institutes**

2013 Chair, AACI Nominating Committee

# INVITED PRESENTATIONS:

1. Lung Cancer in Southern Louisiana. Presented at the Environmental Epidemiology Week, Department of Community Health and Epidemiology, University of Saskatchewan, Saskatoon, Canada, May 1990.
2. Mendelian Factors in Early Onset Lung Cancer. Presented at the Cold Spring Harbor Laboratory Symposium on The Origins of Human Cancer, New York, September 1990.
3. Mendelian Inheritance in Early Onset Lung Cancer. Presented to the Institute of Human Genetics, University of Minnesota, November 1990.
4. Follow-up Study of V. E. Anderson’s Breast Cancer Families at the University of Minnesota. NCI Symposium on Genetic Epidemiology of Cancer: A Multidisciplinary Approach, Bethesda, Maryland, May 1992.
5. Host-environment Interactions in the Pathogenesis of Postmenopausal Breast Cancer. M.D. Anderson Cancer Center, Houston, Texas, July 1992.
6. Genetic epidemiology of postmenopausal breast cancer. The Paul N. Larson lecture on breast disease, 23rd annual autumn seminar on Obstetrics and Gynecology & A Symposium on Women’s Cancer, Minneapolis, Minnesota, October 1992.
7. Models of lung cancer susceptibility. National Institute of Environmental Health Science, Research Triangle, North Carolina, December 1992.
8. Gene-environment Interactions in Postmenopausal Breast Cancer. University of Minnesota Comprehensive Cancer Center, April 1993.
9. The biology of cancer: Integrating the epidemiologic and experimental approaches. European Science Foundation Research Conference, Aghia Pelaghia, Crete, Greece, September 1994.
10. Modification of Body Weight - Breast Cancer Associations by Family History. Division of Cancer Prevention & Control, Preventive Oncology Branch, National Cancer Institute, Bethesda, Maryland, April 1996.
11. Genetics and breast cancer. Symposium: Diet, anthropometry and breast cancer: Integration of experimental and epidemiologic approaches. American Institute of Nutrition Annual Meeting, Washington, D.C., April 1996.
12. Familial clustering of breast and prostate cancer: A clue to the etiology? University of Iowa Cancer Center, Iowa City, October 1996.
13. Molecular - Genetic Epidemiology: After the Human Genome Project (Or: Who Needs Epidemiology Anyway?). Symposium: An Introduction to Genetics: from Genes to Populations. Northwestern University, Chicago, Illinois, June 1997.
14. Genetic and Environmental Influences on Mammographic Breast Density: Evidence from 426 Minnesota Families. Center for Cancer Treatment and Research, Richland Memorial Hospital, Columbia, South Carolina, June 1997.
15. Integrating Epidemiologic Risk Factor Information into Pedigree Analysis of Cancer. National Society of Genetic Counselors Short Course: Genetic Counseling - A New Era Unfolds. Baltimore, Maryland, October 1997.
16. The Genetic Epidemiology of Lung Cancer in southern Louisiana. National Institute of Occupational Safety and Health, Morgantown, West Virginia, November 1997.
17. The Impact of Genetics on Cancer Prevention and Control. ANMC Summer Cancer Conference, Anchorage, Alaska, August 1998.
18. Molecular/Genetic Epidemiology: After the Human Genome Project. S.P.O.R.E. Guest Lecture, Ann Arbor, Michigan, June 1998.
19. Research Issues: BRCA1 and BRCA2. Virginia Piper Cancer Institute, Minneapolis, Minnesota, November 1999.
20. Does Diabetes Increase Risk of Breast Cancer? 60th session of the American Diabetes Association, San Antonio, Texas, June 2000.
21. Clinical Genetic Epidemiology: Experience from the Mayo Clinic Cancer Center. UNC Chapel Hill, November 2001.
22. Translational Genetic Research and the Role of Genetic Epidemiology. Lombardi Cancer Center, January 2002.
23. Association Studies in Genetic Epidemiology. World Congress of Epidemiology, Montreal, Canada, August 2002.
24. 4th National Symposium Bioethical Considerations in Human Subject Research, University of South Florida, Sheraton Sand Key, Clearwater Beach, Florida, March 2004
25. Obesity and Cancer: What is the Connection? The Fifth Annual Conference on Obesity, The Florida Research Prevention Center at the University of South Florida, Clearwater Beach, Florida, April 2004.
26. Translational Genetic Research: The Role of Epidemiology. University of South Florida, September, 2004.
27. What the editor wants from your manuscript review. ASPO Annual Meeting, San Francisco, March 2005.
28. Ovarian cancer susceptibility: today and tomorrow. University of New Mexico, Albuquerque, April 2005.
29. Epidemiologic efforts to reduce ovarian cancer mortality. Harvard School of Public Health, Boston, MA, April 2006.
30. Genetic epidemiologic approaches to elucidate ovarian cancer susceptibility. Memorial Sloan-Kettering Cancer Center, New York, NY. July 2006.
31. Reducing cancer mortality through innovations in early detection: Lifetime Cancer Screening and Prevention Center. Albert Einstein College of Medicine, New York NY, July 2006.
32. Genome-wide association studies: Design considerations. Association of Biomolecular Resource Facilities. Tampa, FL. April 2007.
33. Pushing the Boundaries: New Tools for Molecular Epidemiology. AACR Annual Meeting, Denver, CO April 2009.
34. Can observational cohort studies inform precision medicine? Moffitt’s Total Cancer Care initiative. Banff, Alberta, Canada June 2009.
35. Emerging Insights on Ovarian Cancer Susceptibility. Henry Ford Health System, Detroit, MI, June 2009.
36. Unraveling Ovarian Cancer Susceptibility. Ohio State University Comprehensive Cancer Center, Columbus, OH. January 2010.
37. General musings on ovarian cancer susceptibility. Huntsman Cancer Institute, Salt Lake City, UT. March 2010.
38. From bench to bedside to population: the role of molecular epidemiology in translational research, NCEBP Symposium keynote speaker, Nijmegen, the Netherlands. May 2011.
39. MicroRNA binding site polymorphisms influence ovarian cancer risk in the collaborative oncological gene-environment study. AACR Annual Meeting. April 2012.

# RESEARCH GRANTS AWARDED:

### Current support:

Grant Name: Integrative Molecular Epidemiology Workshop

Funding Agency: NIH (1R25CA174664-01)

Period of Funding: 09/01/13 – 08/31/18 (Total grant: $1,225,116)

Role: Principal Investigator

Goal: Provide annual workshop to enhance the skills and training of cancer researchers.

Grant Name: Automated Quantitative Measures of Breast Density

Funding Agency: NIH

Period of Funding: 03/01/2013 – 02/28/2017 (Total grant: $3,903,687)

Role: Co-Investigator (J. Heine)

Goals: To lay a foundation for translating the demonstrated research value of BD into the clinic by advancing our recent achievements in full field digital mammography (FFDM).

Grant Name: Inherited Cancer Registry (iCARE) Initiative

Funding Agency: State of Florida/Dept. of Health - 1BG-09

Period of Funding: 8/2/10 – 6/30/15 (Total annual costs: $252,236)

Role: Co-Investigator

Description: The major goal of this project is to enroll BRCA mutation carriers in an Inherited Cancer Registry, and assess adherence to cancer risk management strategies at both the patient and provider level.

Grant Name: Moffitt Postdoctoral Training Program in Molecular & Genetic Epidemiology

Funding Agency: NIH/NCI 1 R25 CA147832-01

Period of Funding: 06/01/10 – 05/31/15 (Total annual costs: $284,166)

Role: Program Leader (K. Egan - PI)

Description: This is a postdoctoral training program that will offer mentored training in the use of latest technologies with applications in molecular and genetic epidemiology.

Grant Name: The Mitochondrial Genome and Ovarian Cancer Risk

Funding Agency: NIH/NCI

Period of Funding: 04/01/10-3/31/15 (Total annual costs: $451,083)

Role: Collaborator (PI) C. Phelan

Description: The goal of this study is to more comprehensively investigate the contribution of mitochondrial genome variation to ovarian cancer risk. Nuclear mitochondrial gene variation, mtDNA haplotype analysis and correlative somatic mtDNA studies will be performed.

 Grant Name: Follow-up of Ovarian Cancer Genetic Association and Interaction Studies (FOCI)

 Funding Agency: NIH/NCI (U19CA148112)

 Period of Funding: 07/02/10 - 07/31/14 (Total direct costs: $8,864,271)

 Role: Principal Investigator

 Description: The proposed research seeks to expand the understanding of epithelial ovarian cancer through a coordinated and comprehensive research.

Grant Name: Insulin-like growth factor biomarkers and colorectal cancer

Funding Agency: Bankhead-Coley Cancer Research Program

Period of Funding: 10/01/2009 – 06/30/2012 ($113,636)

Role: Co-Investigator, E. Siegel (PI)

Description: The goal of this project is to establish a cohort of colorectal patients with a quality of life assessment including health behaviors and medical history.

Grant Name: Moffitt Cancer Center Support Grant

Funding Agency: National Cancer Institute (3 P30-CA76292)

Period of Funding: 02/01/05-1/31/2017 (Annual direct costs: $1,674,847

Role: Principal Investigator

Description: To support infrastructure for transdisciplinary cancer-relevant research and to foster studies that would not occur without the climate, facilities, and research resources that a cancer center can uniquely provide.

Grant Name: Haplotype-based Genome Screen for Novel Ovarian Cancer Loci

Funding Agency: National Cancer Institute (R01 CA114343)

Period of Funding: 3/15/07 – 2/28/13 (NCE)

Role: Principal Investigator (20%)

Description: This proposal will allow identification of women at risk for ovarian cancer and will elucidate genes involved in the pathogenesis of this deadly malignancy.

Grant Name: Genetic and Epigenetic Analysis of Angiogenesis Genes in Recurrent Prostate Cancer

Funding Agency: NIH/NCI (R01 CA128813)

Period of Funding: 07/01/08 – 06/30/12 (Total direct costs: $2,540,818)

Role: Co-PI (7.5%) – PI: J. Park

Description: The goal of this study is to identify biomarkers that can be used at the time of diagnosis to predict aggressiveness of the disease and improve clinical treatment decision making.

### Grants under review or in progress:

Grant Name: Genome-Wide Association Study (GWAS) of Common Cancers, the GAME-ON Consortium

Funding Agency: NIH/NCI

Period of Funding: 6/15/13-6/14/18

Role: PD/PI (C. Amos)

Goals: To identify genetic factors influencing susceptibility for common cancers including breast, colon, lung ovarian and prostate cancers for 100,000 cases and 100,000 controls and 10,000 additional individuals with BRCA1 or BRCA2 mutations as a part of the Genetic Associations and Mechanisms in Oncology (GAME-ON) consortium.

Grant Name:A Genome-Wide Association Study (GWAS) of Human Papillomavirus (HPV) Infection in Men

Funding Agency: NIH/NCI

Period of Funding: 07/01/2013 – 06/30/2018

Role: Co-PI (M. Schabath)

Goals: Human papillomavirus (HPV), a highly prevalent infection in both men and women, is an established human carcinogen capable of infecting and causing cancer at multiple anatomical sites in both genders.  Although most infected individuals clear an HPV infection within 12 to 18 months, the virus persists in a subset of infected individuals (15 to 20%) and long-term HPV persistence is a key factor in the development of HPV-related cancers.  The goal of this application is to identify inheritable genetic factors in men that may explain the interindividual variation in incidence, persistence, duration of HPV infection and progression to disease which may reveal new biological underpinnings of this infection that can lead to strategies to reduce HPV-related disease.

Grant Name: A tumor-stromal metabolic classifier of chemoresponse in ovarian cancer

Funding Agency: NIH/NCI

Period of Funding: 07/01/13-06/30/18

Role: Co-investigator (J. Wey PI)

Description: To build a metabolic classifier that can reliably predict response to platinum-based therapy in women with advanced OC by determining the prognostic impact of mitochondrial-related genes and miRNAs from cancer-associated fibroblast-enriched stromal cells and tumor cells sampled from archived ovarian tissue.

### Past support:

Grant Name: Ovarian Cancer and Mismatch Repair Deficiency

Funding Agency: National Cancer Institute (R01 CA111914)

Period of Funding: 03/01/11 – 02/28/12 (NCE)

Role: Co-Investigator (5%) (Tuya Pal, PI)

Description: This proposal seeks to obtain a better understanding of the molecular events that lead to the evolution of cancer and underlie tumor heterogeneity should lead to more specific treatment regimens.

Grant Name: Clinical Relevance of Mismatch Repair Deficiency

Funding Agency: National Cancer Institute (K07 CA108987)

Period of Funding: 09/15/06 – 08/31/11 (Total costs $667,456)

Role: Primary Mentor (2.5%) – PI T. Pal

Description: The major goal of this project is to investigate mutations in the mismatch repair genes in a sample of ovarian cancer cases, and explore implications to treatment response and survival.

Grant Name: Acquisition of the Illumina BeadXpress system for bead genotyping and gene expression analysis

Funding Agency: Bankhead-Coley Cancer Research Program

Period of Funding: 01/01/10 – 12/31/10

Role: Principal Investigator

Description: Shared Instrumentation for the Molecular Genomics Core.

Grant Name: Haplotype-based Genome Screen for Novel Ovarian Cancer Loci (supplement)

Funding Agency: NIH

Period of Funding: 09/30/09 – 09/29/11 (Total costs: $334,000)

Role: Principal Investigator

Description: The proposed research seeks to expand the understanding of epithelial ovarian cancer through a coordinated and comprehensive approach.

Grant Name: Genetic Variation in the NFKB Pathway and Ovarian Cancer Etiology and Prognosis

Funding Agency: National Cancer Institute (R01 CA122443)

Period of Funding: 4/01/07 – 3/31/12 (Total costs $3,507,255)

Role: Co-Investigator (5%)

Grant Name: miRNA-based Strategies to Personalize Care for Women with Ovarian Cancer Chemotherapy

Funding Agency: Anna Valentine Cancer Fund Pre-SPORE and P01 Development Award

 (P30 CA0762-92-11)

Period of Funding: 08/01/09 – 07/31/11 - $100,000

Role: Co-PI (with J. Lancaster and J. Chen)

Grant Name: A Mayo Cohort Study of Mammographic Breast Density

Funding Agency: National Cancer Institute

Period of Funding: 04/01/03 – 03/31/09 ($2,491,333 total direct costs)

Role: Co-Principal Investigator (3%)

Grant Name: Population-Based Analysis of Ovarian Cancer Biomarkers

Funding Agency: National Cancer Institute (R01 CA106414)

Period of Funding: 8/1/05 – 02/28/10 - $3,076,890

Role: Co-PI (5%) (R. Sutphen, PI)

Grant Name: Estrogen bioactivation and risk of ovarian cancer

Funding Agency: National Cancer Institute

Period of Funding: 04/01/02 – 03/31/08 ($1,744,293 total direct costs)

Role: Principal Investigator (5%)

Grant Name: Association of smoking, infection and aberrant methylation in cervical cancer carcinogenesis

Funding Agency: State of Florida

Period of Funding: 07/01/05 – 08/31/08 - $428,574

Role: Co-Investigator (5%) (E. Siegel, PI)

Grant Name: Plasma Microarray Analysis and Ovarian Cancer Biomarkers

Funding Agency: National Cancer Institute

Period of Funding: 08/01/05 – 07/31/07

Role: Co-Investigator (1%) (J. Lancaster, M.D.)

Grant Name: Benign breast disease: Toward molecular prediction of breast cancer risk

Funding Agency: Department of Defense

Period of Funding: May 1, 2002 – April 30, 2006 ($4,307,831 total direct costs)

Role: Co-Principal Investigator (7%)

Grant Name: Epidemiologic and Genetic Studies of Breast Cancer

Funding Agency: National Cancer Institute

Period of Funding: April 1, 2000 – March 31, 2006 ($8,085,428 total direct costs)

Role: Principal Investigator (30%)

Grant Name: Natural history of breast density and breast cancer risk

Funding Agency: Department of Defense, US Army

Period of Funding: March 1, 2000 – June 30, 2004 ($360,579 total direct costs)

Role: Co-investigator (3% - contributed) (C. Vachon, PI)

Grant Name: Colon Neoplasia Studies: A Genetic/Environmental Resource

Funding Agency: National Cancer Institute

Period of Funding: June 1, 1992 - April 30, 1995 ($186,235 average annual direct costs)

Role: Co-Investigator (5%-contributed), (J. Potter, PI)

Grant Name: Genetic Epidemiologic Studies of Colon Polyps and Cancer

Funding Agency: National Institutes of Health

Period of Funding: July 1, 1994 - June 30, 1998 ($456,304 annual direct costs)

Role: Co-Investigator (10%), (J. Potter, PI)

Grant Name: A Colon Cancer Prevention Research Unit

Funding Agency: National Cancer Institute

Period of Funding: June 16, 1990 - May 31, 1995 ($1,072,733 average annual direct costs)

Role: Co-Investigator of Project A (10%-contributed): A case-control study of polyps. (J. Potter, PI)

Grant Name: Study of Macrobiotic Approach to Cancer

Funding Agency: National Institutes of Health/National Cancer Institute

Period of Funding: November 1, 1994 - September 29, 1995 ($50,000 annual direct costs)

Role: Principal Investigator (no salary)

Grant Name: Epidemiologic and Molecular Genetic Studies of Breast Cancer

Funding Agency: National Institutes of Health, Office of Research on Women’s Health

Period of Funding: July 1, 1993 - June 30, 1995 ($34,320 annual direct cost)

Role: Principal Investigator (5%)

Contract Name: Family and Genetic Studies of Cardiovascular Disease

Funding Agency: National Heart, Lung, and Blood Institute

Period of Funding: January 1, 1992 - December 30, 1995 ($265,304 average annual direct costs)

Role: Co-Investigator (10%, 5%, 5%, 10%), (A. Folsom, PI)

Grant Name: Simulation Resource for Stochastic Micropopulation Models

Funding Agency: DHHS, Public Health Service

Period of Funding: July 1, 1991 - June 30, 1996 ($607,961 average annual direct costs)

Role: Co-Investigator (10%), (L. Gatewood, PI)

Grant Name: Epidemiologic and Genetic Studies of Breast Cancer

Funding Agency: National Cancer Institute

Period of Funding: March 13, 1992 - June 30, 1997 ($500,469 average annual direct costs)

Role: Principal Investigator (30%)

Grant Name: Epidemiologic and Genetic Studies of Breast Cancer

Funding Agency: National Institutes of Health, Office of Research on Women’s Health (ORWH)

Period of Funding: March 13, 1992 - June 30, 1997 ($71,428 annual direct cost)

Role: Principal Investigator - no salary

Grant Name: Breast Cancer Risk Factors in Shanghai

Funding Agency: National Cancer Institute

Period of Funding: July 1, 1996 - June 30, 2000 ($206,414 annual direct costs)

Role: Co-Investigator (5%), (W. Zheng, PI)

Grant Name: Cancer Risk Reduction and Diet: A cohort study of women

Funding Agency: National Cancer Institute

Period of Funding: July 15, 1996 - July 14, 2001 ($349,923 average annual direct costs)

Role: Co-Investigator (5%), (W. Zheng, PI)

Grant Name: Distribution of Body Fat and Cancer Risk in Women

Funding Agency: National Cancer Institute

Period of Funding: May 1, 1995 - March 30, 2000, $347,372 average annual direct costs.

Role: Co-Principal Investigator (20%), (A. Folsom, PI)

Grant Name: Cancer Epidemiology with a Focus on Nutrition

Funding Agency: National Institutes of Health/National Cancer Institute

Period of Funding: April 1, 1993 - March 31, 1998 ($202,722 annual direct costs)

Role: Co-Principal Investigator, (L. Robinson, PI)

Grant Name: Cancer Center Support Grant – University of Minnesota

Funding Agency: National Cancer Institute

Period of Funding: April 1, 1998 - March 31, 2003 ($4,603,874 total direct costs)

Role: Associate Director & Program Leader (25%)

Grant Name: Determination of Genetic Susceptibility to Lung Cancer in Families from Southern Louisiana

Funding Agency: National Institutes of Health (NIH-HG-96-33)

Period of Funding: October 1, 1996 - September 30, 1998 ($129,673 annual direct costs)

Role: Principal Investigator - subcontract (10%)

Grant Name: The Genetic Epidemiology of Breast-Prostate Cancer

Funding Agency: National Cancer Institute

Period of Funding: July 18, 1997 - June 30, 2001 ($232,805 average annual direct costs)

Role: Principal Investigator

Grant Name: Genetic Epidemiology of Mammographic Breast Density

Funding Agency: Department of Defense, US Army

Period of Funding: October 1, 1998 - September 30, 2001 ($172,888 total direct costs)

Role: Principal Investigator (10%)

Grant Name: Molecular Risk Assessment in Breast Cancer

Funding Agency: Susan G. Komen Breast Cancer Foundation

Period of Funding: December 1, 1999 – November 30, 2001 ($246,499 total cost)

Role: Co-Investigator, (5%) (L. Hartmann, PI)

Grant Name: Cancer Center Support Grant – Mayo Clinic

Funding Agency: National Cancer Institute

Period of Funding: March 1, 1999 – February 29, 2004 ($15,389,307 total direct costs)

Role: Deputy Director (25%) (F. Prendergast, PI)

Grant Name: Prophylactic Mastectomy in Hereditary Breast Cancer

Funding Agency: National Cancer Institute

Period of Funding: July 1, 1999 - June 30, 2003 ($880,574 total direct costs)

Role: Co-investigator (10%) (L. Hartmann, PI)

Grant Name: Characterization of Genetic Alterations in Ovarian Cancer

Funding Agency: Department of Defense, US Army

Period of Funding: July 1, 1999 - June 30, 2003 ($1,331,330 total direct costs)

Role: Co-Investigator, Administrative Core (2%) (D. Smith, PI)

Grant Name: Mayo Cancer Genetic Epidemiology Training Program

Funding Agency: National Cancer Institute (R25 CA92049)

Period of Funding: August 1, 2001-July 31, 2006 ($ 2,368,306 total direct costs). Transferred grant to Dr. G. Petersen when left Mayo.

Role: Principal Investigator (7.5%)

Grant Name: Genetic determinants of lung cancer survival

Funding Agency: National Cancer Institute

Period of Funding: December 1, 2001 – November 31, 2006 ($1,759,494 total direct costs)

Role: Co-investigator (3% - contributed) (P. Yang, PI)

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3. Johnatty SE, Beesley J, Tyrer JP…**Sellers TA**…Reddel RR, Monteiro ANA, Gayther SA, Pharoah PDP, Goode EL, Berchuck A, Chevevix-Trench G. Fine mapping of 5p15.33 identifies distinct regulatory regions within the TERT-CLPTM1L locus associated with susceptibility to serous low malignant potential and invasive ovarian cancer. (May 2012)
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### Published Books and Book Chapters:

1. **Sellers TA**, Bailey-Wilson JE, Elston RC, Rothschild HR: Mendelian Inheritance in Early Onset Lung Cancer. In Brugge J, Curran T, Harlow E, McCormick F (Eds): Origins of Human Cancer: A Comprehensive Review. Cold Spring Harbor Press, Cold Spring, NY. 1991; 775-780.

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### Letters and Non Peer-Reviewed Published Articles

1. **Sellers TA**, Bailey-Wilson JE, Elston RC, Rothschild HR: Heredity as a determining factor in which smokers die of lung cancer - response. J Natl Cancer Instit 1991; 83:64-65.

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8. **Sellers TA**. Genetic ancestry and molecular epidemiology. Cancer Epidemiol Biomarkers Prev 2004; 13:499-500.
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13. Risch HA, Berchuck A, Pharoah PDP, **Sellers TA**. Response to Weidhaas and Slack re: Comments on “The role of KRAS rs61764370 in invasive epithelial ovarian cancer: implication for clinical testing”. Clin Cancer Research
14. **Sellers TA** and Chen YA. New lung cancer susceptibility locus identified: significance and implications for other genome-wide association studies. Cancer Discovery 2012; 2:110-111.

**PATENTS HELD**

1. Luminescence Characterization of Quantum Dots Conjugated with Biomarkers for Early Cancer Detection. Patent number: 7,655,479. February 2, 2010.

# PLATFORM PRESENTATIONS AT NATIONAL MEETINGS:

1. **Sellers TA**, Bertrand WE\*, Margoluis RA: War-Caused Famine: A Crisis in Guatemala. Southern Society for Sociologic Research Annual Meeting, 1983.
2. Rothschild HR, Ooi WL, Elston RC, **Sellers TA**\*: Cancer Susceptibility in Relatives of Patients With Lung Cancer. American Federation for Clinical Research Annual Meeting, 1986.
3. **Sellers TA**\*, Ooi WL, Chen VM, Elston RC, Rothschild HR: Cancer Susceptibility in Families with Lung Cancer. Southern Society for Clinical Investigation Annual Meeting, 1986.
4. **Sellers TA**, Nicklas TA\*, Frank GC, Berenson GS: Should a Prudent Diet Begin in Infancy and Early Childhood? The Bogalusa Heart Study. American Dietetic Association Annual Meeting, 1986.
5. **Sellers TA**, Dujon D, Rothschild HR\*: Cancer in the Elderly. Presented at the American Gerontological Society Annual Meeting, 1986.
6. Serpas D\*, Harsha DW, **Sellers TA**, Virgilio SJ, Berenson GS: Six-Month Trends in Mile-Run Performance and Heart Disease Risk Factor Levels During a Heart Healthy Curriculum in Elementary School Children: The “Heart Smart” Program. American Alliance for Physical Health Education, Recreation, and Dance Annual Meeting, 1987.
7. **Sellers TA\***, Elston RC, Stewart C, Rothschild HR: Familial Risk of Cancer Among Randomly Selected Cancer Probands. American Federation for Clinical Research Annual Meeting, 1988.
8. Potter JD\*, **Sellers TA**, Folsom AR: Beer and Lung Cancer in Older Women: The Iowa Women’s Health Study. Annual Meeting of the SER, June 1990.
9. Kushi LH\*, **Sellers TA**, Potter JD, Kaye SA, Nelson CL, Folsom AR: Dietary Fat and Breast Cancer: Preliminary Results From the Iowa Women’s Health Study. American Society of Preventive Oncology Annual Meeting, April 1991.
10. **Sellers TA**\*, Kushi LH, Potter JD, Kaye S, Nelson CL, Folsom AR: Risk Factors for Familial versus Sporadic Breast Cancer: Early Findings from the Iowa Women’s Health Study. SER Annual Meeting, June 1991.
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12. **Sellers TA**\*, Kushi LH, Potter JD, Nelson CL, Munger RG, Gapstur SM, Folsom AR: Family History and Self-Reported Benign Breast Disease as Risk Factors for Breast Cancer. 27th Annual Meeting of the AACR, 1992.
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15. Bostick RM\*, Potter JD, McKenzie DR, **Sellers TA**, Kushi LH, Steinmetz KM, Folsom AR: Reduced Risk of Colon Cancer With High Intake of Vitamin E: The Iowa Women’s Health Study. 17th Annual Meeting of the American Society of Preventive Oncology, March 1993.
16. **Sellers TA**\*, Gapstur SM, Potter JD, Kushi LH, Bostick RM, Folsom AR: Association of Body Fat Distribution and Family Histories of Breast and Ovarian Cancer with Risk of Postmenopausal Breast Cancer. 84th Annual Meeting of the AACR, May 1993.
17. Potter JD\*, Cerhan J, **Sellers TA**, McGovern P, Folsom A. Risk factors for Postmenopausal Breast Cancer Differ According to Joint Estrogen and Progesterone Receptor Status. 84th Annual Meeting of the AACR, May 1993.
18. Bostick R\*, Potter J, Kushi L, McKenzie D, **Sellers T**, Folsom A. Relation of meat, fat, and sugar to colon cancer incidence in women. 28th Annual Meeting of the AACR, May 1993.
19. Kushi LH\*, Potter JD, **Sellers TA**, Drinkard C, Gapstur SM, Bostick RM, Cerhan JR, McKenzie DR, Folsom AR: Dietary fat and risk of breast cancer according to joint estrogen/progesterone receptor status. 26th Annual Meeting of SER, June 1993.
20. McPherson C\*, **Sellers TA**, Folsom AR: Spontaneous and induced abortions and endometrial cancer: The Iowa Women’s Health Study. 26th Annual Meeting of SER, June 1993.
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22. Weinberg EJ, du Cret RP\*, **Sellers TA**, Kuni CC, Thompson WM. The role of radiology in medical education: Perspective of the non-radiologist. 42nd Annual Meeting of the Association of University Radiologists, May 1994.
23. Barnes-Josiah DL\*, Potter JD, **Sellers TA,** Himes J. Weight and weight change as complex risk predictors of breast cancer. 122nd Annual Meeting of APHA, November 1994.
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**PLATFORM RESENTATIONS AT INTERNATIONAL MEETINGS**

1. Wilson AF, Elston RC, **Sellers TA\***, et al: Stepwise Oligogenic Segregation and Linkage Analysis of Dopamine-Beta-Hydroxylase. Presented at the Training Session for Biostatistics and Epidemiology in conjunction with the 2nd International Conference on Preventive Cardiology and the 29th Annual Meeting of the AHA Council on Epidemiology, June 1989.
2. **Sellers TA.** Lung cancer in southern Louisiana. University of Saskatchewan, Saskatoon, Canada, May 1990.
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