

## CURRICULUM VITAE

**SUSAN KASPER, Ph.D.**

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**BIRTH PLACE:** Winnipeg, MB, Canada

### **EDUCATIONAL BACKGROUND:**

1972-74; 1976-78 B. Sc. Honours in Zoology  
University of Manitoba, Winnipeg, Manitoba, Canada

1974 – 75 Department of Forestry  
University of British Columbia, Vancouver, BC, Canada

1975 – 76 Bodenseehof School, Friedrichshafen, Germany

1978 – 81 M. Sc. in Physiology/Endocrinology  
Department of Physiology, Faculty of Medicine  
University of Manitoba, Winnipeg, Manitoba, Canada

1981 – 84 Ph.D. in Physiology/Endocrinology  
Department of Physiology, Faculty of Medicine  
University of Manitoba, Winnipeg, Manitoba, Canada

1984 – 86 Ph.D. Fellow  
Department of Physiology, Faculty of Medicine  
University of Manitoba, Winnipeg, Manitoba, Canada

1986-87 Postgraduate: Medical Research Council of Canada Postdoctoral Fellow Dana  
Farber Cancer Institute, Harvard Medical School, Boston, MA.

1987-89 Postgraduate: Medical Research Council of Canada Postdoctoral Fellow  
Department of Molecular Medicine, New England Medical Center Hospitals, Boston,  
MA.

### **ACADEMIC AND PROFESSIONAL POSITIONS:**

2008-present Associate Professor (tenured), Department of Environmental Health, College of  
Medicine, University of Cincinnati, Cincinnati, OH.

2001-08 Assistant Professor (tenure track), Department of Urologic Surgery, Vanderbilt  
University Medical Center, Nashville, TN.

2001-08 Assistant Professor, cross-appointment in the Department of Cancer Biology.

- 2001-08 Assistant Professor, cross-appointment in the Department of Cell and Developmental Biology
- 2001-08 Member, Vanderbilt Ingram Cancer Center
- 1996-01 Research Assistant Professor (non-tenured), Department of Urologic Surgery, Vanderbilt University Medical Center, Nashville, TN.
- 1989-96 Research Associate, Department of Physiology, University of Manitoba, Winnipeg, MB, Canada.

### **AWARDS:**

- 2014 *Endocrinology* Outstanding Reviewer Award
- 2000 American Urological Association Gallery Best Poster Award
- 1998 Society for Basic Urologic Research Travel Award
- 1997 Society for Basic Urologic Research Travel Award
- 1997 Stowell-Orbison Award, USCAP Best Poster
- 1996 CaP CURE Award, *Co-Investigator* (PI: RJ Matusik RJ), "Progression of Prostate Cancer to Androgen Dependence: The Role of the Androgen Receptor and Tumour-Derived Transcription Factors." [1 of only 2 awarded in Canada]
- 1996 American Urological Association Gallery Best Poster Award
- 1995 American Urological Association Gallery Best Poster Award
- 1993 Society for Basic Urologic Research Award (for Outstanding Science)
- 1986-88 Medical Research Council of Canada Postdoctoral Fellowship Award
- 1985 Drewry Memorial Scholarship and Medal for best Ph.D. dissertation in the Academic Year of 1985, Faculty of Medicine, Univ. of Manitoba

### **PATENTS/LICENSES:**

- 2007 HPET cancer stem cell lines (licensed to Pfizer Global Research and Development, La Jolla laboratories, San Diego, CA).

### **GRANTS:**

#### **Active:**

- 2013-2018 National Institutes of Health, NCI, *Co-Investigator* (PI: Gail Prins) "Estrogen Receptors in Human Prostate Stem-Progenitor Cells", R01 CA172220
- 2014-2015 CEG Pilot Projects Program 2014, *Principal Investigator*, "Exposure to Flame Retardants and Prostate Cancer".

#### **Pending Support**

- 2014-2019 National Institutes of Health, *Co-Investigator* (PI: Susan Waltz), "The HGGL:Ron receptor tandem in prostate cancer".
- 2015-2020 National Institutes of Health, *Principal Investigator*, "Inertial Microfluidics for Isolating Clinically Predictive Circulating Tumor Cells".
- 2015-2020 Department of Defense, Synergistic Idea Development Award application, *Principle Investigator*, "Circulating tumor cell subpopulations in early stages of prostate cancer progression".

**Completed:**

- 2009-13 Department of Defense Prostate Cancer Research Program, *Principal Investigator*, "DJ-1 in the Development of Hormone Refractory Prostate Cancer", W81XWH-08-1-0370.
- 2009-13 Department of Defense Prostate Cancer Research Program, *Principal Investigator*, "The Function of AR-Negative Cancer Stem Cells in Prostate Cancer", W81XWH-08-1-0662.
- 2003-11 National Institutes of Health, NIDDK, *Principal Investigator*, "Development of Androgen-Independent Prostate Cancer", DK060957
- 2004-09 National Institutes of Health, NCI, *Co-Investigator* (PI: RJ Matusik), "A Transgenic Mouse Model for Prostate Cancer", CA076142-08
- 2003-08 National Institutes of Health, NIDDK, *Co-Investigator* (PI: RJ Matusik), "Control of Prostate-Specific Gene Expression DK055748-06
- 2003- 04 Vanderbilt Ingram Cancer Center, *Co-Investigator* (PI: RJ Matusik), "PPG Pilot Project on Prostate Cancer"
- 2002-07 National Institutes of Health, NIDDK, *Principal Investigator*, "Developmental Biology of the Normal Mouse Prostate", DK059142
- 2000-03 Department of Defense, *Co-Investigator* (PI: RJ Matusik RJ), "Growth Inhibitory and Stimulatory Signals in Prostate Cancer", DAMD 17-00-1-0105
- 1999-04 National Institutes of Health, NCI, *Co-Investigator* (PI: RJ Coffey), "Mouse Cancer Models Via TGF $\beta$  RII Loss", 5U01 CA84239
- 1997-98 NCI Cancer Center Support Grant, *Principal Investigator*, "Progression of Prostate Cancer to Androgen Independence: a Role for the Androgen Receptor, IP30 CA68485
- 1996-97 National Institutes of Health, NIDDK, *Principal Investigator* (Director: MC Orgebin-Crist), "Peptide Growth Factors in Male Genitourinary Development", HD05797-25

**PROFESSIONAL SOCIETY MEMBERSHIPS:**

American Association for the Advancement of the Sciences, American Society of Cell Biology, American Urological Association, the Endocrine Society, Society for Basic Urologic Research, Vanderbilt Urology Society.

**COMMITTEE SERVICE:****EXTRAMURAL (National and International):**

- 2014-present Member, Planning Committee, Fall 2015 meeting, Society for Basic Urologic Research
- 2014 *Chair*, Abstract Committee, 2014 Fall Meeting, Society for Basic Urologic Research
- 2014-present Member, Planning Committee, Spring 2015 meeting, Society for Basic Urologic Research
- 2010-11 Organizing Committee, World Congress Urological Research, Innsbruck, Austria, September 15-17, 2011
- 2010-11 Advisory Board, Gordon Research Conference on Hormone Action in Development and Cancer, Bryant University, Smithfield, RI, July 31-August 5, 2011
- 2011 Endocrine Society, Annual Meeting 2011, Abstracts Review Committee

- 2009-10 Organizing Committee, Fall Meeting, Society for Basic Urologic Research, Atlanta, GE, November 11-14, 2010
- 2008-09 Advisory Board, Gordon Research Conference on Hormone Action in Development and Cancer, Holderness School, Holderness, NH, July 26-31, 2009 2008 American Urology Association Conference, Abstracts Review Committee
- 2007-09 *Chair*, ByLaws Committee, Society for Basic Urologic Research
- 2004-07 *Chair*, Membership Committee, Society for Basic Urologic Research
- 2001-03 Executive Board, Society for Basic Urologic Research
- 1997-2008 Nashville Symphony Chorus, Soprano II
- 1995-96 *Chair*, Eden Health Care Services
- 1994 Vice Chair, Eden Health Care Services
- 1993 Secretary, Eden Mental Health Centre Hospital Board
- 1990-96 Board of Directors, Eden Health Care Services including Eden Mental Health Centre Hospital, Linden Place, Recovery of Hope counseling services, Enns Court Supported Housing Apartments, Segue Vocational Program.

### **INTRAMURAL:**

- 2014-15 *Coordinator*, Department of Environmental Health Wednesday Seminar Series; Fall and Spring series.
- 2012-present Appointment, Reappointment, Promotion, and Tenure (ARPT) committee, Dept. of Environmental Health, UC
- 2012 Department of Environmental Health Wednesday Seminar spring series; co-organizer
- 2011-present Institutional Biosafety Committee, University of Cincinnati
- 2005-08 Executive Committee, HBCU Partnership grant, Department of Defense, Prostate Cancer Research Grant, Vanderbilt and Meharry Universities
- 2005-08 Institutional Biosafety Committee, Vanderbilt University
- 2004-08 American Cancer Society Pilot Project Review Committee, Vanderbilt Ingram Cancer Center
- 2003 The Pilot and Feasibility Committee of the Vanderbilt Diabetes Center
- 2000-08 The Vanderbilt Prostate Cancer Center, Member
- 1998-01 Institutional Animal Care and Use Committee, Vanderbilt University

### **PROFESSIONAL SERVICE and ACTIVITIES:**

**Journal Reviewer (ad Hoc):** *American Journal of Pathology; Cancer; Cancer Letters; Cancer Research; Cancer Epidemiology Biomarkers and Prevention; Carcinogenesis; Cell Death and Differentiation; Clinical Cancer Research; Current Gene Therapy; Developmental Biology; Differentiation; Endocrine-Related Cancer, Endocrinology; Endocrine-Related Cancer; Future Oncology; Gynecologic Oncology; Histology and Histopathology; International Journal of Cancer; Investigative Urology; Journal of Biological Chemistry; Journal of Mass Spectrometry; The Journal of Steroid Biochemistry and Molecular Biology; Journal of Urology; Molecular Biology of the Cell; Molecular Cancer, Molecular Cancer Therapeutics; Molecular Carcinogenesis; Molecular and Cellular Biology; Molecular Endocrinology; Nature; Nature Communications; Nature Medicine; Nature Reviews Urology; Oncogene; PLOS ONE; Reproductive Toxicology; Science; Stem Cells; Stem Cell Reviews; Steroid Biochemistry & Molecular Biology; The Prostate; Translational Andrology and Urology; Transgenic Research; Urology; Urologic Oncology: Seminars and Original Investigations*

### **Editorial Boards:**

- 2012-present *Endocrinology*
- 2012-present *The Prostate*

**Grant Review Panels and Study Sections:**

2014 NCI Omnibus (R03 and R21) SEP ZCA1 SRB-V(O1) (June 26-27)

2013 Prostate Cancer UK, Pilot Award, PA13-028 (August 27; external reviewer)

2013 Innovative Molecular Analysis Technologies, IMAT (August, *ad hoc*)

2013 NCI Review Meeting, Molecular Analysis Technologies, RFA-CA-13-002 (July, *ad hoc*)

2013 Prostate Cancer UK (Spring; external reviewer)

2013 Innovative Molecular Analysis Technologies, IMAT (February, *ad hoc*)

2012 Austrian Science Fund, Vienna, Austria, Biological and Medical Sciences (October)

2011 NCI, RFA-CA-11-010, "Cancer Target Discovery and Development (CTDD) Network (U01) (November, *ad hoc*)

2011 Innovative Molecular Analysis Technologies, IMAT (March, *ad hoc*)

2010 Department of Defense, PCRP PRE-END peer review panel (April 8)

2009 Innovative Molecular Analysis Technologies, IMAT (November, *ad hoc*)

2009 ARRA Grand Opportunities Grant Review, NCI Molecular Target Discovery and Development Centers Pilot Program (August, *ad hoc*)

2009 Innovative Molecular Analysis Technologies, IMAT (June, *ad hoc*)

2009 American Cancer Society Ohio Division Supported Research (May, *ad hoc*)

2009 Innovative Molecular Analysis Technologies, IMAT (March, *ad hoc*)

2009 British Prostate Cancer Charity (January)

2008 British Prostate Cancer Charity (January)

2007 Department of Defense, Prostate Cancer Research Program PCT-1

2007 Israel Science Foundation, Life Sciences & Medicine

2006 Molecular Oncogenesis Study Section (*ad hoc*)

2006 North Carolina Biotechnology Center Multidisciplinary Research Grants Program

2005-07 Molecular, Cellular, and Developmental Neuroscience Study Section

2005 NIH Special Emphasis Panel: Cell Selective Research Tools and Methods for Studies of the Genitourinary Tract (June)

2005 Australian NHMRC Grant Review Panel 3A, Endocrinology and Reproduction

2004 NIH Special Emphasis Panel: Cell Selective Research Tools and Methods for Studies of the Genitourinary Tract (October).

2004 Urologic and Kidney Development and Genitourinary Disease Study Section (October, *ad hoc*)

2004 Renal and Urological Sciences Integrated Review Group, (October, *ad hoc*)

2004 NIH Special Emphasis Panel: Cell Selective Research Tools and Methods for Studies of the Genitourinary Tract (June)

2004 Urologic and Kidney Development and Genitourinary Disease Study Section (June, *ad hoc*)

2004 Renal and Urological Sciences Integrated Review Group (June, *ad hoc*)

2004 Department of Defense, Clinical and Experimental Therapeutics # 3

2004 Urologic and Kidney Development and Genitourinary Disease Study Section (March, *ad hoc*)

2004 Renal and Urological Sciences Integrated Review Group (March, *ad hoc*)

2003 Endocrinology Study Section (*ad hoc*)

2003 Reproductive Endocrinology Study Section (October, *ad hoc*)

2003 Reproductive Endocrinology Study Section (June, *ad hoc*)

2003 NIDDK Special Emphasis Panel: Androgen Receptor and Prostate Cancer

2003 Department of Defense, Clinical and Experimental Therapeutics # 3.

2002 Urologic and Kidney Development and Genitourinary Disease Study Section (*ad hoc*)

2002 Renal and Urological Sciences Integrated Review Group (*ad hoc*)

2001 Department of Defense, Cell Biology # 3

- 1999 Department of Defense, External Reviewer  
 1998 Fonds pour la Formation de Cherchers et l'Aide à la Recherche, Canada

**Scientific Session/Symposium Moderator:**

- 2011 GRC Hormone Action in Development & Cancer, Hormonal Regulation Of Development & Cancer, Bryant University, Smithfield, RI, July 31, 2011: Keynote Lectures: Hormonal and Dietary Control of Metabolism  
 2010 Society for Basic Urological Research, Atlanta GA, November 12, 2010: Aging, Obesity, and Co-Morbidities: Immunologic Impacts on Urologic Function  
 2010 Annual Endocrine Meeting, San Diego CA, June 21, 2010: Tumor and Normal Stem Cells in Breast and Prostate  
 2010 6<sup>th</sup> Annual National Symposium on Prostate Cancer, Clark Atlanta University, Atlanta GA, March 16, 2010: Steroid Receptors in Prostate Cancer  
 2009 GRC Hormone Action in Development & Cancer, Hormonal Regulation Of Development & Cancer, Holderness NH, July 29, 2009: Common Signaling Pathways: Development Pathways Gone Awry in Cancer  
 2008 Society for Basic Urological Research: Epigenetics and Genitourinary Disorders  
 2007 DOD Innovative Minds in Prostate Cancer Today (IMPACT) conference: Stem Cells

**TEACHING:**

- 2014 CCHMC/UC: Introduction to Functional Genomics (GNTD8001C and CS7097C in CoM and CEAS; Course Directors: Jarek Meller and Robert Brackenbury). Lecturer – “AR: a key regulator of normal and abnormal prostate growth”.  
 2013 CCHMC/UC: Introduction to Functional Genomics Introduction to Functional Genomics (GNTD8001C and CS7097C in CoM and CEAS; Course Directors: Jarek Meller and Robert Brackenbury). Lecturer – “Estrogen Receptor – Structure and Function”.  
 2013 UC: Environmental Genetics & Molecular Toxicology(EGMT)Course: Lecturer For 2 Courses Sections - Stem cells; Male and Female Reproductive Toxicology.  
 2011 UC: Environmental Genetics & Molecular Toxicology (EGMT) Course: Course Coordinator  
 2010 UC: Environmental Genetics & Molecular Toxicology (EGMT) Course: Lecturer- Stem cells.  
 2009 UC: Environmental Genetics & Molecular Toxicology (EGMT) Course: Lecturer - Stem cells.  
 2007 VU: Current Topics in Cancer Biology: Cancer and Metastasis: Course Coordinator and Lecturer  
 1995-96 UM Faculty of Medicine: Medicine I Endocrinology and Metabolism:Lecturer/tutorials  
 1990-96 UM Course in Medical Physiology: Endocrinology: Lecturer  
 1979-81 University of Manitoba Special Pre-medical Studies Program: Tutor

**LABORATORY TRAINEES AND STUDENT PROGRAMS:**

**PhD Thesis Supervisor:**

- 2002-07 Jennifer Erin Tillman (Advisor: Susan Kasper, PhD, Dept. of Urologic Surgery, VUMC)  
 2002-07 Ritwik Ghosh (DOD Predoctoral Training Award recipient) (Advisor: Susan Kasper, PhD, Dept. of Urologic Surgery, VUMC)

**Doctoral Dissertation Committee:**

- 2014-present Nicholas Brown (Advisor: Susan Waltz, PhD, Dept of Cancer and Cell Biology, UC)  
 2013-present Logan Fulford (Advisor: Tanya Kalin, MD, PhD, Department of Pediatrics, UC)  
 2013-present Evan Frank (Advisor: Jagjit Yadav, PhD, EH Division of Environmental Genetics and Molecular Toxicology, UC)  
 2013-present Abby Johnson (Advisor: Susan Waltz, PhD, Dept of Cancer and Cell Biology, UC)  
 2012-present Qin Wang (Advisor: Alvaro Puga, PhD, EH Division of Environmental Genetics and Molecular Toxicology, UC)  
 2011-present Andrew Paluch (Advisor: Susan Waltz, PhD, Dept of Cancer and Cell Biology, UC)

- 2010-present Eunice Varughese (Advisor: Jagjit Yadav, PhD, EH Division of Environmental Genetics and Molecular Toxicology, UC)
- 2010-present Nivedita Nivedita (Advisor: Ian Papautsky, PhD, BioMicroSystems Lab, School of Electronic and Computing Systems, UC)
- 2010-2012 Jian Zhou (Advisor: Ian Papautsky, PhD, BioMicroSystems Lab, School of Electronic and Computing Systems, UC)
- 2007-09 Maria Abreu, Department of Cancer Biology, VU
- 2007-09 Jie Wang, Department of Pathology, VU
- 2005-08 Ashwath Jayagopal, Department of Biomedical Engineering, VU

**UC Training Grants/graduate student mentor:**

- 2009-2012 Brian Wortham (graduate student, EH Gene-Environment Interactions Training Program, UC)
- 2009-2011 Marina Galvez, Ph.D. (EH T32 training program, UC)
- 2009-2011 Rebekah Karns (graduate student, EH Division of Epidemiology/Biostatistics, UC)

**UC Young Faculty Mentor:**

- 2009-present Tianying Wu, MD, PhD, ScM (Assistant Professor, EH Division of Epidemiology and Biostatistics, UC)

**Vanderbilt Integrated Graduate Program Qualifying Exam Committee (IGP):**

- 2008 Carrie Whiting (PhD)
- 2007 Maria Abreu (PhD)
- 2006 Jie Wang (PhD)
- 2004 Yue He (PhD)
- 2003 Mingfang Ao (PhD)
- 2002 Ildiko Csiki (MD, PhD)
- 2002 Li Yang (PhD)

**Vanderbilt Initiative for Maximizing Student Diversity (IMSD) Program (Faculty Advisor/Mentor):**

- 2005-2006 Gerren Ector
- 2002-2006 Tamela Hunt

**Vanderbilt Introduction to Biomedical Research Program (Faculty Advisor/Mentor):**

- 2003 Julia Kristina Wood (medical student)

**Undergraduate courses/summer training:**

- 2014 Emma Eschker (Niles North High School, Chicago, IL, Susie Posnock, teacher)
- 2013 Sloane Harris and Meghan Cholak (Walnut Hills High School, Science Project Competition, Renee Mahaffey Harris, Correspondent)
- 2011-12 Preetom Borah (Sycamore High School, Capstone Project research project, Beth Quinones, Science Teacher)
- 2011-12 Nicholas Aube (Sycamore High School, Capstone Project research project, Beth Quinones, Science Teacher)
- 2010 William Hunt (Biology, Summer Undergraduate Research Fellow (SURF), Office of Research and Graduate Education, UC)
- 2010 James Cross (B. Sc Biology undergraduate student/technician, UC)
- 2009 James Cross (B. Sc Biology Summer Undergraduate Research Fellow (SURF), Office of Research and Graduate Education, UC)
- 2009 John Hegman (Biomedical Engineering undergraduate student/technician, UC)
- 2006 Carrie Johnson (Summer Internship, Belmont University, Nashville, TN)

2005	Carrie Johnson (Summer Internship, Belmont University, Nashville, TN)
2005-2006	Carrie Johnson (Biology Course Project, Belmont University, Nashville, TN)
2004	Sheree Carney (Vanderbilt Minority Summer Research Program )
2003	Ashwin Sastry (Undergraduate summer student)
2002	Yash A. Choksi (Undergraduate summer student)

#### **Postdoctoral Fellows:**

2010-12	Premkumar Vummidi Giridhar, PhD
2007-08	Seungchan Yang, PhD
2006-08	Mohammed Atiqur Rahman, PhD
2005	Shwetank Sharma, PhD
2004	Zhang Han PhD
2003-07	Guangyu Gu, MD
2001-03	Tiina Pikänen-Arsiola, PhD

#### **Research Scientists:**

2009-2013	Karin Williams, PhD
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#### **Other Trainees:**

2013	Veena Potluri, MD
2013-2014	Mei-Ling Bermudez (PhD rotation student)
2014	Andrew Vonhandorf (PhD rotation student)

#### **Research Residents:**

2008	Michelle E. Koski, MD
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#### **Medical Students:**

2013	Karan Motiani, Department of Urology, UC. Research rotation. [Dr. Motiani's abstract was the only submissions from the UC Departments of Urology and Environmental Health accepted. Importantly, it was selected for a prestigious podium presentation for research excellence.]
2007-2011	Thesis Advisor, Thomas Reinhold MD, Universität Witten/Herdecke Witten, Germany [Dr. Reinhold's thesis earned him a <i>cum laude</i> degree]
2006-07	Thomas Reinhold (Universität Witten / Herdecke Witten, Germany: Medical Student rotation)

#### **Research Awards to Trainees:**

2011-2012	I served as project director and mentor to a team of two Sycamore High School students, Preetom (Ruku) Borah and Nicholas Aube, on their Capstone research Project research. - Ruku and Nick won a "Superior" rating for their Capstone Research Project, "IGF-1 and its Effects on Human Breast Cancer Cells" at Sycamore High School. - They were winners in the Southwest Ohio District Science & Engineering Expo competition held at UC on Saturday, March 10, 2012. - At the OH State Science Fair on Saturday, May 5, 2012, they won a "Superior" rating with a perfect score of 50/50 from both judges. They also won the following awards for their research on: "IGF-1 and its Effects on Human Breast Cancer Cells": 1) Interdisciplinary Research Award, sponsored by Sigma Xi Scientific Research Society, 2) Veterinary Medicine Award, sponsored by the Ohio Veterinary Medical Association, 3) University of Akron Scholarship.
2006	Jennifer Erin Tillman, PhD student, Travel Award, Society for Basic Urologic Research
2006	Ritwik Ghosh, PhD student, DOD Predoctoral Training Award



2005            Guangyu Gu, MD, Travel Award, Society for Basic Urologic Research  
 2003            Tiina Pikänen-Arsiola, PhD, Travel Award, Society for Basic Urologic Research

### **INVITED LECTURES:**

#### **National and International Meetings:**

Clark Atlanta University 10th Annual National Symposium on Prostate Cancer, Atlanta GA, March 17, 2014: "Inhibition of Stathmin1 Accelerates the Metastatic Process".

The 10th World Congress on Urological Research, Society for Basic Urologic Research Fall Symposium, Nashville TN, November 21-24, 2013 (substitute speaker for Dr. Gail Prins who could not attend), Plenary Session IV: Stem Cells are Part of the Urologic Tissue Heterogeneity and Therapeutic Solutions: "Cancer Stem Cell Self-renewal and Differentiation".

Underwriters Laboratories – Flame Retardants and Health Summit/Furniture Flammability and Human Health, Atlanta GA, April 16, 2013: "Flame Retardants as Endocrine Disrupting Chemicals that Promote Prostate Cancer".

Clark Atlanta University 9th Annual National Symposium on Prostate Cancer, Atlanta, GA, March 19, 2013: "Mechanisms Which Preserve the Prostate Cancer Stem Cell Phenotype".

Endocrine Society Annual Meeting, Houston, TX, June 23, 2012: "Notch-Androgen Receptor Axis in Prostate Cancer Stem Cells".

Clark Atlanta University 8th Annual National Symposium on Prostate Cancer, Atlanta, GA, March 19, 2012: "Cancer Stem Cell Strategies for Promoting Androgen Resistance".

Society for Basic Urologic Research Fall Symposium, Las Vegas, NE, November 10-13, 2011, Session: Genetic, Epigenetic and Stem Cell Determinants of Development and Disease. "Stem Cell Strategies for Escaping Differentiation".

American Society of Andrology 34th Annual Meeting, Philadelphia, PA, April 5, 2009: "Prostate Stem Cells: Friend or Foe".

Clark Atlanta University 5th Annual National Symposium on Prostate Cancer, Atlanta, GA, March 17, 2009: "Androgen Receptor Function in Hormone-Sensitive and Castrate-Resistant Prostate Cancer

Reproductive Tract Biology Gordon Research Conference (GRC), Andover, NH, August 3-8, 2008: "Regeneration of Human Prostate Tumors from Prostate Cells with Cancer Stem Cell Characteristics".

Endocrine Society Annual Meeting, San Francisco, CA, June 16, 2008: "Stem Cells in Prostate Cancer Initiation & Progression".

Prostate Cancer Research Foundation Forum (United Kingdom), Toronto, Ontario, Canada, June 13, 2008: "Isolation and characterization of cancer stem cells from human prostate tissues".

Society for Basic Urological Research Spring Session, Orlando, FL, May 17, 2008: "Prostate Cancer and Cancer Stem Cells".

Gordon Research Conference on Hormone Action in Development & Cancer, New London, NH, July 15-20, 2007: "Regeneration of Human Prostate Tumors from Prostate Cells with Cancer Stem Cell Characteristics".

Clark Atlanta University 2nd Annual National Symposium on Prostate Cancer, Atlanta, GA, March 31, 2006: "Cancer Stem Cells and the Androgen Receptor in Prostate Cancer".

American Urological Association, Research Conference, Houston, TX, August 1, 1999: "BPH Animal Models - An Overview".

Roswell Park Cancer Institute Workshop: Prostate Cancer, Prouts Neck, ME, October 24, 1999.

Society for Basic Urologic Research/ European Society for Urologic Oncology and Endocrinology Joint Symposium, The Second World Congress on Urological Research, Pacific Grove, CA, December 10-14, 1997: "Gene Therapy Vectors for Prostate Cancer."

### **Visiting Professor Lectureships:**

Green Science Policy Flame Retardant Dilemma Symposium, San Francisco CA, February 14, 2014: "Do Flame Retardants Impact Men's Hormones?"

Prostate Cancer Foundation, 1250 Fourth Street Santa Monica, CA 90401, August 31, 2012. "Inhibition of Stathmin1 Accelerates the Metastatic Process"

Clark Atlanta University CCRTD/RCMI Program, November 10, 2010: "Mechanisms Required to Maintain Epithelial Cell Architecture and Function."

East Tennessee State University, Department of Biochemistry, Johnson City, TN, October 20, 2009: "Beating the Androgen Receptor at Its Own Game".

University of Illinois at Chicago Cancer Center, Chicago, IL, June 17, 2009: "Cancer Stem Cells – Disrupting the Status Quo".

University of Manitoba, Department of Physiology, Winnipeg, MB, Canada, May 7, 2009: "The Androgen Receptor, Cancer Stem Cells and Prostate Tumorigenesis".

Kimmel Cancer Center, Department of Cancer Biology, Philadelphia, PA, October 23, 2008: "In search of the Prostate Stem Cell".

University of Rochester, Department of Pathology, Rochester, NY, August 27, 2008: "Dissecting Androgen Receptor Function in the Prostate".

University of Cincinnati, Department of Environmental Health, Kettering Lab Complex, Cincinnati, OH, July 10, 2008: "Ideas Stemming from Primary Prostate Cell Culture".

Pfizer Global Research and Development, La Jolla laboratories, San Diego, CA, June 18, 2008: "Ideas Stemming from Primary Cell Culture".

University of Cincinnati, Department of Environmental Health, Kettering Lab Complex, Cincinnati, OH, April 23, 2008: "Stem Cells – the Root of Prostate Cancer?"

Boston Medical Center, Section of Endocrinology, Diabetes & Nutrition, Boston, MA, February 12, 2008: "Androgen Receptor Functions in Prostate Development and Disease."

John Hopkins University, Department of Urology, Baltimore, MD, January 17, 2008: "Stem Cells: the Key to Prostate Cancer?"

University of Miami Seminar Series, Miami, FL, December 1, 2005: "Mechanisms Leading to the Development of Hormone Resistant Prostate Cancer".

Wake Forest University Medical Center, Department of Cancer Biology, Winston-Salem, NC, August 15, 2005: "Prostate Tumorigenesis: Insights from Androgen Receptor Studies and Primary Cell Culture Models".

University of Massachusetts Medical School, Department of Surgery/Urology Research, Worcester MA, May 10, 2005: "Development of Androgen-Independent Prostate Cancer".

The University of Texas Health Science Center at San Antonio, Institute of Biotechnology, Department of Molecular Medicine, San Antonio, TX, September 7, 2004: "Prostate Cancer Progression: Escaping Androgen Control".

University of South Florida, College of Medicine, Department of Pathology, Tampa, FL, June 1, 2001: "Modeling Prostate Cancer in LPB-Tag mice: a Lady's Perspective".

University of Massachusetts Medical School, Department of Surgery, Worcester, MA, November 8, 1999.

Tufts University, Department of Biology, Boston, MA, November 9, 1998.

Eastern Virginia Medical School, Department of Microbiology and Immunology, Norfolk, VA, June 19, 1998.

New England Medical Center and Tufts University School of Medicine, Division of Endocrinology, Diabetes, Metabolism and Molecular Medicine, Boston, MA, November 3, 1998.

### **UC Lectureships:**

Cincinnati Prostate Cancer Information Group, Feb 27, 2013: "How do prostate cancer cells become metastatic and why do they migrate to bone?"

GEITP Seminar Series, Jan 15, 2013: "Inhibition of Stathmin1 Accelerates the Metastatic Process".

UC Chemical Engineering Program, Graduate Seminar Series, October 12, 2013: "Separating Fragile Prostate Cancer Stem Cells and Circulating Tumor Cells".

Division of Urology, Urology Oncology Meeting, May 11, 2012: "Stem Cell/CSC Strategies for Promoting Androgen Resistance".

GEITP Seminar Series, February 7, 2012: "Confocal Microscopy".

Division of Urology, Urology Oncology Meeting, April 15, 2011: "Cancer stem cells: Why are they clinically important?"

Cincinnati Children's Hospital Medical Center, Endoderm Club, April 5, 2011: "Using Cancer Stem Cells to Map Normal Prostate Development".

Division of Urology, Urology Oncology Meeting, April 14, 2009: “Androgen Receptor and Prostate Cancer Stem Cells”.

Department of Cancer Cell Biology Seminar Series, March 26, 2009: “The Androgen Receptor, Stem Cells and Prostate Tumorigenesis”.

Cincinnati Cancer Consortium Leaders Meeting, March 3, 2009: “Androgen Receptor, Stem Cells and Prostate Cancer”.

GEITP Seminar Series, February 24, 2009: “In Search of the Prostate Stem Cell”.

### **Vanderbilt Lectureships:**

Center for Stem Cell Biology Seminar, September 11, 2008: “Prostate Stem Cell Models”.

Surgical Oncology Research Seminar, April 18, 2008: “Cancer Stem Cells: the Key to Prostate Cancer?”

Signal Transduction and Cell Proliferation Program Seminar, November 15, 2005: “Development of hormonal resistance in prostate cancer: Insights from androgen receptor and primary cell culture studies”.

32<sup>th</sup> Annual Vanderbilt Urology Society Visiting Professorship and Rhamy-Shelley Lecture, November 13, 2003: “Update in Prostate Cancer Research”.

Surgical Research Conference, September 13, 2002: “Prostate Cancer Progression: Schemes for Escaping Androgen Control”.

Vanderbilt Ingram Cancer Center Cancer, Biology Seminar Series, September 11, 2002: “Molecular Mechanisms of Prostate Cancer Progression.”

28<sup>th</sup> Annual Vanderbilt Urology Society Visiting Professorship and Rhamy-Shelley Lecture, November 11, 1999: “BPH Animal Models: An Overview”.

Surgical Research Conference, April 18, 1997.

Center for Reproductive Biology Research, April 8, 1997.

### **PUBLICATIONS:**

Total Publications: 66; h-Index: 27; Total Citations: 2171; Research Gate (RG) score: 36.54

### **PEER-REVIEWED JOURNAL ARTICLES:**

1. **Kasper S**, Worsley IG, Rowe JM, Shiu RPC, and Friesen HG, 1982. Chondrocyte growth factor from the human pituitary gland. *J Biol Chem* 257:5226-5230.
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