

## **William A. Ricke, PhD**

**Biography:** William A. Ricke, PhD, is a tenured professor and The University of Wisconsin Medical Foundation Professor of Urology Research at the University of Wisconsin (UW). Dr. Ricke is a decorated veteran of the US Army. He received his Bachelors of Science from Iowa State University, Master's of Science from North Dakota State University, PhD from the University of Missouri, and performed fellowship at the University of California San Francisco. Dr. Ricke was an Assistant Professor at the University of Rochester from 2005-2010 before becoming the Director of Research in the Department of Urology at the UW in 2010. His leadership positions include(d): CoLeader at UW Carbone Cancer Center-Tumor Microenvironment program, Dean's Basic Science Strategic Advisory Committee, NIDDK's O'Brien Centers' Senior Executive Committee, American Urological Association Office of Research Committee (RECC), multiple SBUR committees, numerous scientific review panels/chairing for NIH/CSR, Department of Defense, and private funding centers. He also served on the Editorial Board of the *Journal of Urology*, was a *Guest Editor-Differentiation*, *Editorial Board—Cancers*, and is a reviewer for a broad range of basic and translational science submissions to more than 30 peer-reviewed journals.

**Research Interests:** Dr. Ricke's research has focused on prostate diseases, both malignant and benign. In the cancer field, his research includes steroid hormone action on the tumor microenvironment, as well as, elucidating molecular mechanisms of castration resistance and aging. His research into the benign urology field, focuses on the role of aging and hormone action in inflammation and fibrosis of the prostate. This research is embodied as the major focus of the NIH/NIDDK's flagship George M. O'Brien Center of Research Excellence, which he has directed since 2014. Dr. Ricke has acquired multiple NIH (NIDDK, NCI, NIEHS) and DoD research grants. The mission of the Ricke lab is to save the lives of patients and decrease morbidity through basic and translation science. In addition to performing outstanding research, Dr. Ricke's laboratory and collaborators serve as an epicenter for resources, training, and outreach for the biomedical community at large and the SBUR.

**Vision Statement:** I have been a proud member of SBUR for the past 19 years, served on the Executive Committee, and was a recipient of the Society's 2009 Young Investigator award—I am a life-time member. The Society excels at promoting research excellence and collaboration. Additionally, it serves as a vital resource for young investigators, encouraging new ideas and fostering a sense of community that is indispensable. As the President for SBUR, I will actively listen to members and strive to:

**1) Enhance the scope of research represented within SBUR:** The SBUR has long been a hub for basic and translational urologic research. To ensure all urologic research areas are recognized sufficiently and adequately, I will encourage innovative science from investigators of all urologic fields, including prostate, bladder, kidney, and others. I will champion the best science from normal and disease states, basic and translation sciences, as well as, cancer and benign research. I will also actively promote interactions with funding/scientific institutions (e.g. NIH, DoD, AUA, industry) to get the best ideas, resources, and training available to our members. Furthermore, I will promote exchange of ideas, leadership, and speakers to other societies focused on urologic research with the intent of increasing SBUR's presence in the field, as well as, integrating knowledge from across the continuum of urology research.

**2) Increase the SBUR membership:** The next generation of scientists are now in training. Increasing their numbers, involvement in the society, and ensuring they are prepared for scientific success and ultimately leadership roles is necessary for our society to thrive. I will support new avenues for trainee involvement, diversity, recognition, and networking. I will work closely with the Membership and Trainee Affairs Committees to ensure we empower our learners to become the best they can be as they endeavor to become urologic research leaders and lifelong members in our Society. Additionally, as science and technologies change, I believe it is important to recruit established investigators to support multi-disciplinary science within the SBUR.

**3) Improve financial standings:** Changes in the U.S. political climate are evident and a long-awaited improved scientific forecast is upon us. It is important that we as a society take advantage of opportunities forthcoming. I will work closely with the Executive committee and various agencies (e.g. NIH, industry, departmental, and philanthropic entities) to enhance overall funding and fundraising to ensure our society's long-term financial viability and the individual members that comprise it.

## Curriculum Vitae

**W**illiam A. Ricke, Ph.D.  
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email: [rickew@urology.wisc.edu](mailto:rickew@urology.wisc.edu)

Lab website: <http://www.urology.wisc.edu/research/researchers-labs/ricke-lab/>

O'Brien Center:

<http://obrien.urology.wisc.edu>

### **Faculty Positions:**

*University of Wisconsin Medical Foundation Professor of Urologic Research – Endowed Professorship (2016-present)*

*Professor, University of Wisconsin, School of Medicine and Public Health, Department of Urology, Madison, WI (Tenured, 2016-present)*

*Associate Professor, University of Wisconsin, School of Medicine and Public Health, Department of Urology, Madison, WI (Tenured, 2013-2016)*

*Assistant Professor, University of Wisconsin, School of Medicine and Public Health, Department of Urology, Madison, WI (2010-2012)*

*Adjunct Professor, University of Rochester, Department of Urology, Rochester, NY (2010-15)*

*Assistant Professor, University of Rochester, Departments of Urology, Pathology and Laboratory Medicine, James P. Wilmot Cancer Center, Rochester, NY (2005-2010)*

### **Education and Training:**

*University of California, San Francisco, CA, Fellow, Prostate Development and Pathogenesis, (2000-2005)*

*University of Missouri, Columbia, MO, Doctor of Philosophy, Endocrine-Animal Science, (1995-2000)*

*North Dakota State University, Fargo, ND, Master of Science, Endocrine-Animal Science, (1993-1995)*

*Iowa State University, Ames, IA, Bachelors of Science, Animal Sciences, (1990-1993)*

*Walter Reed Army Medical Center, Washington D.C., Veterinary technician certification, (1990)*

### **Professional Positions:**

- *Senior Leadership- University of Wisconsin Carbone Cancer Center (2017-present)*
- *Program Coleader, Tumor Microenvironment, University of Wisconsin Carbone Cancer Center (2017-2019)*
- *PI/Director, University of Wisconsin Summer Programs in Undergraduate Urology Research (2015-present)*
- *Director, University of Wisconsin George M. O'Brien Center of Research Excellence in Benign Urology (2014-present); <http://www.urology.wisc.edu/research/u54-george-m-obrien-center-for-benign-urology-research/research-projects/>*
- *Senior Executive Steering Committee, NIDDK, O'Brien Urology Research Centers of Excellence (2014-present)*
- *Steering Committee, NIDDK, O'Brien Urology Research Centers of Excellence (2014-present)*
- *Editorial Board: Journal of Urology, Section: Investigative Urology (2014-Dec 2016)*
- *University of Wisconsin-Molecular Environmental Toxicology Steering Committee: (2014-present), <http://metc.wisc.edu/people/william-ricke-phd/>*
- *CoDirector of University of Wisconsin-Rodent Urinary Functional Testing Core, UW-Madison, (2013-present)*
- *Guest Editor, Differentiation, Publisher: Wiley, Special Edition: "Molecular pathways in benign prostatic hyperplasia" (2011)*
- *Member, University of Wisconsin, Department of Urology Philanthropic Advisory Board, Madison, WI (2010-*

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present)

- *Director of Research*, University of Wisconsin, Department of Urology, Madison, WI (2010-present)
- *Co-Director*, Animal Technology Core, UCSF Prostate SPORE, University of California, San Francisco, CA, (2003-2005)
- *United States Army Veteran*, Operation Desert-Shield/Storm, Fort Meade, MD, Regional Laboratory Manager (1990-1991).
- *United States Army Reservist Laboratory Manager*, Specialist, Ames, IA (1989-1997), veterinary clinical laboratory supervisor and instructor

### **FUNDING:**

#### Research (Current):

- **2U54DK104310-06 (2014-2024)**, “Cellular and Molecular Mediators of Fibrosis in the Development of Urinary Tract Dysfunction”, \$1.2M. **Role: PI, Director**
- R01 ES001332 (2017-2022), “Reproductive and developmental toxicity of dioxin”, MPI Drs. Richard Peterson and Chad Vezina, **Role: CoI**
- U01, ES020952 (2012-2016-No Cost Extension), Research Consortium for 2-Year Bisphenol A Toxicity Study “Lifetime Exposure to Bisphenol-A (BPA) and Urethral Malformations, Obstructive Voiding Disorder and Prostate Neoplasia: Cellular and Epigenetic Effects”, \$500,000 Direct costs, PI: Fred vom Saal, **Role: CoI**
- Pilot funding, UWCCC, UW-Madison (2016-present). Identification of DDX3-RNA binding protein mRNAs in prostate cancer: potential roles in castration resistant prostate cancer, \$12,500 Direct costs, **Role: PI**; Co-Is Drs. Arash Bashirullah and Chad Vezina
- K12 KURE, Benign Urologic Research at the UW-Madison, PI Dale E. Bjorling; **Role: Trainer**
- S10 equipment grant, Mass Spectrometry, PI: Lingjun Li, **Role: Major User**
- S10 equipment grant, PI: Wei Huang, S10OD023526 NIH, \$183,824. Automated Tissue Microarrayer. **Role: Collaborator/User**
- S10 equipment grant, high resolution microSPECT/CT scanner , PI: Jamey Weichert, PhD, **Role: Major User**

#### Training (Current):

- **3 U54 DK104310 05S1 (Ricke, William A.), 2018**, NIDDK, \$590,619. Mediators of Fibrosis in the Development of Lower Urinary Tract Dysfunction. **Role: PI, Director**
- R13 – AUA 2019 basic science symposium
- K12 NIDDK grant, Estrogen action in prostate diseases, PI: Teresa Liu, PhD, **Role: Mentor**
- K12 NIDDK grant, The role of osteopontin in inflammation and LUTD, PI: Petra Popovics, PhD, **Role: Mentor**
- Department of Defense, Postdoctoral fellowship (UW Madison), (2016-2018), PI: Clara Jeong, **Role: Mentor**
- K01 NIA, Aging effects on steroid hormone metabolism associated with LUTD, PI: Teresa Liu, PhD, **Role: Mentor**
- K01 NIDDK, The role of osteopontin in fibrosis and BPH/LUTS, PI: Petra Popovics, PhD, **Role: Mentor**

#### Completed:

- **5 U54 DK104310-04 REVISED (Ricke, William A.), 2018**, NIDDK, \$264,498. Mediators of Fibrosis in the Development of Lower Urinary Tract Dysfunction - *Interaction Core Development*. **Role: PI, Director**

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- R01DK093690 (9/2011-7/2016), “Estrogen Regulation in BPH and the Lower Urinary Tract”, \$215,000/FY Direct Costs, **Role: PI**
- Pilot funding, Molecular Environmental Toxicology Center, UW-Madison (2014). Effects of fetal TCDD exposure on adult male urinary dysfunction (\$8,000 total costs), **Role: MPI**, Drs. Vezina and Ricke
- P20, “Urinary biomarkers of lower urinary tract symptoms (LUTS) in men”, \$296,960 FY Total Costs (2012-2014), PI Wade Bushman, **Role: CoI**
- Pilot funding, Molecular Environmental Toxicology Center, UW-Madison (2014). Effects of fetal TCDD exposure on adult male urinary dysfunction, **Role: MPI**.
- R21 “EGCG has anti-prostate cancer activity by inhibiting hsp90 “, PI: Tom Gasiewicz **Role: consultant**
- R01CA123199, National Cancer Institute, “Stromal androgen receptors mediate human prostate cancer progression.” \$950,000 Direct costs (9/2007-7/2013), **ROLE: PI**
  - NIDDK K12 award, Angiogenesis and paracrine signaling in BPH, PI: Ashleigh Theberge, **Role: Mentor**
- 5RC2ES018764, Grand Opportunities Grant, American Recovery and Reinvestment Act, National Institute of Environmental Health Sciences, “Bisphenol A: Urine flow disorder and prostate pathology”; \$913,000 Total costs (9/2009-12/2012), **ROLE: MPI**.
  - 3RC2ES018764-S1, National Institute of Environmental Health Sciences, “Bisphenol A: Urine flow disorder and prostate pathology”; \$43,558 Direct costs (2010), **ROLE: MPI**.
  - 5RC2ES018764-S2, National Institute of Environmental Health Sciences, “Bisphenol A: Urine flow disorder and prostate pathology”; \$183,185 Direct costs (2010), **ROLE: MPI**.
- Clinical and Translational Science Institute-Grant, University of Rochester Medical Center “High Resolution Genotyping of Cancer Using SNP Arrays”, \$36,000 (2008-2009); **ROLE: PI**
- Environmental Health Science Center Pilot Project, University of Rochester Medical Center, "The Role of Environmental Hormones in Prostate Carcinogenesis." \$15,000 direct costs (2006-2008); **ROLE: PI**
- Edelman Gardner Research Award; GS Palapattu and WA Ricke; “Identification of tumor initiating stem cells in prostate” \$50,000 direct costs (2006-2008); **ROLE: PI**

### Completed Training

- U54DK104310, George M. O’Brien Center of Excellence, 12/01/14-7/30/19; 3.6 cal mo Mediators of fibrosis in the development of lower urinary tract dysfunction, \$1,660,232 Total Costs FY **Role: PI, Director**
- NIDDK K12 KURe grant, “*Advanced magnetic resonance imaging (MRI) techniques for quantitative assessment of prostatic inflammation and fibrosis in benign prostatic hyperplasia*”, PI: Diego Hernando, PhD: **Role: Mentor**
- **W81XWH-16-1-0246 (Neuman, Sarah), 2016-2019**, DoD/Army, \$191,250. Effects of Phthalates on Androgen Receptor Regulation Associated with Castration-Resistant Prostate Cancer Development. **Role: Mentor**
- K12 KURe, Benign Urologic Research at the UW-Madison, 201302018) PI Dale E. Bjorling; **Role: Trainer**
- **5 T35 DK062709 13 (Mezrich, Joshua), 2018**, NIDDK, \$50,144. Surgery Summer Research Experience for Medical Students. **Role: Trainer**
- **3 U54 DK104310 04S1 (Ricke, William A.), 2017**, NIDDK, \$99,203. Mediators of Fibrosis in the Development of Lower Urinary Tract Dysfunction. **Role: PI, Director**
- **3 U54 DK104310 03S1 (Ricke, William A.), 2016**, NIDDK, \$103,761. Mediators of Fibrosis in the Development

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of Lower Urinary Tract Dysfunction. **Role: PI, Director**

- **3 U54 DK104310 02S1 (Ricke, William A.), 2015**, NIDDK, \$50,000. Mediators of Fibrosis in the Development of Lower Urinary Tract Dysfunction. **Role: PI, Director**
- T32, Cancer Biology (UW Madison), (2016-2019), PI: Dalton McLean, **Role: Mentor**
- T32, Cancer Biology (UW Madison), (2016-2019), PI: Jordan Vellky, **Role: Mentor**
- T32, Molecular Environmental Toxicology Center (UW Madison), (2016-2018), PI: Jalissa Nguyen, **Role: Mentor**
- T32, Molecular Environmental Toxicology Center (UW Madison), (2015-2017), PI: Sam Thomas, **Role: Mentor**
- T32, Molecular Environmental Toxicology Center (UW Madison), (2016-2018), PI: Taryn James, **Role: Mentor**
- F30 (2012-2016), “The role of estrogens in the lower urogenital tract”, PI: Tristan Nicholson, **Role: Mentor**
- Department of Defense, CDMRP, graduate student training grant. The role stroma in prostate cancer progression. Nikesha Haynes Ph.D. student, \$94,500 Total costs (2010-2011), **ROLE: Mentor**
- 5T32CA009363 T32 Training Grant, NIH, "Cancer Center Training - Experimental Therapy Models." PI: Hartmut Land, **ROLE: Preceptor**
- F32 grant; National Research Service Award; NIH/NCI (5F32CA097725-02, “The role of steroid hormones in prostate cancer progression”, (2003-2004); **ROLE: PI**
- T32 grant; NIH Training Grant Award, Lawrence Berkeley National Laboratories, “Hormones and carcinogenesis” (2002), **Role: PI**
- T32 grant; NIH Training Grant Award, University of California San Francisco, “Development of models of prostate cancer progression” (2000-2001) **Role: PI**

### Completed Cooperative Grants/Training

- R13DK101308, “SOCIETY FOR BASIC UROLOGIC RESEARCH (SBUR) 2013 FALL SYMPOSIUM”, PI: Neil Bhowmick, **Role: CoI**
- 1S10RR027340 NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR) S10 Shared Instrumentation Grant, NIH, Olympus nanozoomer rs whole slide imaging system, \$340,145 Direct costs, PI: Brendan Boyce, **ROLE: User**
- 1S10RR025577 (2010) S10 NCRR Shared Instrumentation Grant, NIH, “ILLUMINA GENOME ANALYZER II”, \$499,800 Direct costs, PI: Dirk Bohmann, **ROLE: User**
- 1S10RR027946 (2009) S10 NCRR Shared Instrumentation Grant, NIH, “Visual Sonics Vevo 2100 SIG”, \$445,515 Direct costs, PI: Burns Blaxall, **ROLE: Main User**
- 1S10RR023458 – 2007 Amnis ImageStream Flow Cytometer - \$411,394. PI: Craig T. Jordan **Role: User**

### AWARDS:

- 2019 Society of Toxicology Kenneth P. DuBois Award (2019)
- Loan Repayment Program Award, Stromal androgen receptors mediate human prostate cancer progression, (2010-2012), **ROLE: PI**
- Young Investigator Award, Society for Basic Urologic Research (2009)
- Loan Repayment Program Award, Stromal androgen receptors mediate human prostate cancer progression. 2008-2010

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- Association for Cancer Research, Frontiers in chemoprevention-Travel Award (2004)
- First place award presentation, UCSF-Joint Breast, Brain and Prostate Cancer Specialized Programs Of Research Excellence Meeting (2004)
- Society for Basic Urologic Research Scholar Award (2001, 2002, 2003, 2004)
- Society for the Study of Reproduction National Meeting, Larry Ewing Memorial Award (1995, 1997, 1999, 2000)
- International Reproduction Meeting Travel Award (1998)
- North Dakota State University, Research Enhancement Award (1994-95)
- US ARMY Veteran (1991)
- Army Achievement Medal, Operation Desert Shield/Desert Storm (1991)
- Army Commendation Medal, Operation Desert Shield/Desert Storm (1991)
- Iowa State Math and Science Award (1988, 1989)

### **CAREER DEVELOPMENT TRAINING:**

- Mid Career Paths for faculty: Office of Faculty Development and Faculty Affairs, 2016
- Career Paths 201: “Time management and work-life balance”, Office of Faculty Development and Faculty Affairs, 2013
- Workshop series on teaching excellence, University of Rochester, (2009-2010)
- Primary Leadership and Development Course, US Army, Camp Dodge, IA, (1992)

### **TEACHING:**

#### Courses

- TOX 625, Introduction to toxicology, 2015-present, coordinator: Chris Bradfield
  - 2 contact hours
- *Course:* OB/GYN 955 Responsible Conduct of Research for Biomedical Graduate Students, coordinators: Ian Bird, Chris Bradfield. 2014-present.
  - 6 contact hours
- UW-Madison-UM-Boston U54 summer intern program (NIDDK), 2015-2016) (Organizer and Instructor)
  - 3 contact hours
- Molecular Environmental Toxicology 606, Instructor, Joel Pederson coordinator.
  - 1 contact hour
- Endocrinology and Reproduction Program 875, 2012-present. , *Directors:* Ronald Magness and Jing Zheng.
  - 2 contact hours
- Pharmacology 718-623: Pharmacology III, 2011-present, Tim Bugni (coordinator).  
[http://apps.pharmacy.wisc.edu/sopdir/william\\_ricke/](http://apps.pharmacy.wisc.edu/sopdir/william_ricke/)
  - 7 contact hours; office hours, design and administer exam and quizzes
- T35, Surgery, Conduct of Research for Medical Students, (2015)
  - 1 contact hour
- Cancer Biology: <http://cancerbiology.wisc.edu/faculty/faculty.html>
  - Trainer: Cancer Biology Graduate Student Training program (assess candidate packets, interview)
  - Trainer: Cancer Biology Postdoc Training program (assess candidate packets, interview)
- Molecular, Environmental, and Toxicology, <http://metc.wisc.edu/people/william-ricke-phd/>
  - Trainer: Molecular, Environmental, and Toxicological Graduate Student training program (assess candidate packets, interview)
  - Trainer: Molecular, Environmental, and Toxicological Postdoc training program (assess candidate packets, interview)
- Oncology 703: Lecturer: Prostate cancer series, 2010-present. (Wei Xu, coordinator)

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- 2 contact hours
- 2014-present, Seminars in Urology, O'Brien Center, outside speakers
  - 10 contact hours
- 2014-present, Seminars in Urology, O'Brien Center, on campus speakers
  - 10 contact hours
- 2012-present, Director Prostate Research Group, Seminar Series (University of Wisconsin Carbone Cancer Center)
  - 10 contact hours
- 2011-present. Director of Translational Research group meeting
  - 1 contact hour/week
- 2010- present. Lecturer: Urology Resident Educational Class
  - 2 contact hour
- 2010-2014. Uehling Lecture Series, Department of Urology UW: Lecturer
  - 1 presentation/yr; organization of topics
- 2010-2015. Urology Journal Club, Department of Urology
  - 1 contact hour/month
- 2010-2015. Basic and Translational Journal Club
  - 1 contact hour/week
- Course Director: Cancer Biology, Pathology 507 (2007-2010) Graduate, (8-16 students/class)
  - Course write up, design, and layout
  - Office hours 2h/week
  - 43 contact hours
    - 5-8h TEACHING
  - Tests: design, implement, score-grade
  - Postdoctoral criteria for cancer center T32 training award
- Lecturer: MD/PhD Translational research topics in science. (2009-2010); 1 lecture/yr
- Lecturer: Environmental and Nutritional Pathology, Path509 (2006-2010); 2 lectures/yr

### Training

- Junior Faculty
  - PhD Graduate Student Committee, Christian Ortiz-Hernandez (2018-present)
  - Faculty Mentoring Committee, Petra Popovics, PhD, K12 scholar (2019-present)
  - Faculty mentoring committee, tenure track, Rong Hu, MD, Asst Professor of Pathology (2016-present)
  - present)Faculty Mentoring Committee, Teresa Liu, PhD, K12 scholar (2015-present)
  - Faculty Mentoring Committee, Diego Hernando, PhD, K12 scholar (2017-2018)
  - Post-doc Committee, Taryn James, PhD (2015-2019)
  - Post-doc Committee, Clara Jeong, PhD (2015-2017)
  - Post-doc Committee, Neil Lamarre, PhD (2015-2017)
  - MS Graduate Student Committee, Justine Coburn (2015-2016)
  - PhD Graduate Student Committee, Molly Morgan (2015-2016)
  - PhD Graduate Student Committee, Sam Thomas (2014-2019)
  - PhD Graduate Student Committee, Basu Chakrabaty (Monash University in Melbourne Australia, Mentor: Dr. Betty Exintaris) (2014-2016)
  - PhD Graduate Student Committee, David Lung (2014-2016)
  - PhD Graduate Student Committee, Dalton McLean (2014-present)
  - PhD Graduate Student Committee, Jordan Vellky (2014-present)
  - Faculty Mentoring Committee Chair, CHS Track, Ruthie Su, MD, Asst. Professor of Urology

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- (2014-present)
  - Faculty mentoring committee (Chair), CHS track, Ruthie Sue, MD, Asst. Professor of Urology (2014-present)
  - PhD Graduate Student Committee, Jalissa Wynder (Nguyen) (2014-2018)
  - Faculty Mentoring Committee, Ashleigh Theberge, PhD, K12 scholar, Faculty position at UW-Seattle (2014-2015)
  - Faculty mentoring committee, tenure track, Dustin Deming, MD, Asst Professor of Medicine (2013-present)
  - Faculty mentoring committee, CHS track, Jason Abel, MD, Asst Professor of Urology (2011-present)
  - Faculty Mentoring Committee, Jason Abel, MD, Asst. Professor of Urology (2010-present)
  - PhD, MSTP Graduate Student Committee, Tristan Nicholson (2010-2015)
  
  - PhD Graduate Student Committee, Bao Be (2011-2016)
  - PhD Graduate Student Committee, Kyle Wegner (2014-2019)
  - PhD Graduate Student Committee, Anne Turco (2016-present)
  - PhD Graduate Student Committee, Mark Cadena (2016-present)
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- K12 junior faculty
  - Petra Popovics, PhD (2019-present), Project: “The role of osteopontin in inflammation and LUTD”, **Chair**
  - Diego Hernando, PhD (2016-present), Department of Radiology and Medical Physics, “*Advanced magnetic resonance imaging (MRI) techniques for quantitative assessment of prostatic inflammation and fibrosis in benign prostatic hyperplasia*”, **Chair**
  - Alejandro Roldán-Alzate, PhD (2016-present), Department of Radiology and Medical Physics, “*Non-invasive assessment of prostate and urethral stiffness in lower urinary tract dysfunction in mice and men*”, **committee member**
  - Teresa Liu, PhD (2015-present): Project: Estrogen receptor-beta and Cox-2 interactions in BPH and Prostate cancer, **Chair**
  - Ashleigh Theberge, PhD (2014-15): Project: Angiogenic factors and stromal-epithelial interactions in the prostate, **Chair**. Current Position: Assistant Professor, University of Washington-Seattle
- Postdoctoral Fellows
  - Clara Jeong, PhD (2014-2017): Project: “Endocrine disruption and hormone signaling in prostate pathogenesis”; Department of Defense Postdoctoral Awardee
  - Taryn James, PhD (2015-2019): Project: ER-dimerization in the prostate and breast. T32 Fellow
  - Conrad Valdez, PhD (2011-2013): Project: Androgen receptor signaling in prostatic carcinogenesis and the role of Phthalates. Current Position: Instructor, Santa Ana College, Santa Ana, CA T32 Fellow
  - Ashleigh Theberge, PhD (2012-2014): Project: Microfluidic gradients probe combined endocrine disruptor and hormone activity. T32 Fellow, K12 awardee (see above), Current position: Assistant Professor, University of Washington-Seattle
  - Jonathan Ewald (2012-2014): Project: EGFR activity in bladder cancer models, Current Position: Research Administration, Grants & Sponsored Projects Administration; System Research Coordinator at PeaceHealth Belevue, OR.



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- Tiho Miralem (2012-2014): Project: The role of PAR proteins in prostate cancer; Current Position: Research Assistant Professor, University of Rochester, NY.
- Karin Williams (2006-2009): Project: IGF1 regulation in prostate cancer progression. Current Position: Faculty: Research Scientist University of Cincinnati
- Graduate Students (Ricke Lab):
  - Christian Ortiz-Hernandez 1<sup>st</sup> year (Ricke): “myofibroblast differentiation in the development of BPH/LUTS”
  - Tristan Nicholson (MSTP student-UR): currently Urology resident: UW-Seattle.
    - NOTABLES: funded F30: The role of estrogens in BPH and BOO
    - Best Abstract AUA 2014
    - Multiple travel awards
    - Honors graduate program
  - Jalissa Wynder 4<sup>th</sup> year: “Estrogen hormone action in BPH and PRCA”
    - Travel Award: MERK Fellows meeting, Cleveland, OH
  - Dalton McLean 3<sup>rd</sup> year (Ricke): “Growth factors in prostatic carcinogenesis”
  - Jordan Vellky 3<sup>rd</sup> year (Ricke): “Drosophila screening analysis in the detection on new factors in prostate cancer progression”
  - Molly Morgan 3<sup>rd</sup> year (Beebe/Ricke): “Environmental toxicants in breast and prostate disease”
  - Samuel Thomas 3<sup>rd</sup> year (Li/Ricke): “Proteo/metabol-omic analysis of secreted factors of the lower urinary tract”
- Graduate Students (MS):
  - Tristan Nicholson (2010-2015), project title: Estrogen regulation of the lower urinary tract
  - Michael Moses (2008-2010), project title: The role of BPA in PRCA-progression
  - Nikesha Haynes(2007-2011), project title: Stromal AR mediates human prostate cancer progression (Dept of Defense predoc fellowship).
- Graduate Students (rotation that did not join the Ricke Lab):
  - Mike Ohman, Conner Kennedy, Brenna Walton, Hannah Miles, Anne Turco, Rueben Moreno, Fola Arowolo, Kyle Wegner, Mark Eichelberg, Josh Martin, Julianna Faleros, David Lung, Bob Bell, Jeff Malik, Dawn Lee, Laura Nguyen, John Lapek, John Varrone, Joanne Soong
- Graduate Students committees (PI/laboratory):
  - Jason Yu, 2016-present (Beebe): “A microfluidics approach to understanding interactions between inflammation and angiogenesis during prostate cancer development”
  - Mark Cadera, 2016-present, (Vezina): “Innervation of the lower urinary tract”
  - Basu Chakrabarty, 2015-2016, (Dr. Betty Exintaris, Monash University, Melbourne, Australia):” Prostatic Smooth Muscle Tone in the Guinea Pig and the Human Prostate Gland”
  - Justine Coburn, 2014-present, (Wei Xu lab: “Estrogen receptor/Aryl hydrocarbon receptor interactions in cancer progression”
  - Kyle Wegner, 2014-present, (Vezina): AR signaling in prostate development and disease progression
  - Jalissa Wynder, 2013-present, (Ricke): “Estrogen hormone action in BPH and PRCA”
  - Dalton McLean, 2014-present, (Ricke): “Growth factors in prostatic carcinogenesis”
  - Jordan Vellky, 2014-present, (Ricke): “Drosophila screening analysis in the detection on new factors in prostate cancer progression”

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- Molly Morgan, 2014-present, (Beebe/Ricke): “Environmental toxicants in breast and prostate disease”
- Samuel Thomas, 2014-present, (Li/Ricke): “Proteo/metabolomic analysis of secreted factors of the lower urinary tract”
- Kimberly Keil, 2010-2014, (PhD student-Chad Vezina), project title: An epigenetic mechanism for controlling mouse prostate development.
- David Lung, 2013-2014, (Elaine Alarid lab): Estrogen receptor signaling in breast cancer progression
- Letitia Wang, 2010-2014, (PhD Student-Wade Bushman), project title: Bacterial prostatitis in mice
- Bao Le, 2012-present, (PhD student-Paul Marker)
- KuoPao, 2006-2010, (Jimmy) Lai (PhD student-Chawshang Chang)
- Mercedes Szpunar, 2006-2010, (MSTP, MS, MD/PhD) (PhD student-Edward Brown)
- Mike Moses, 2008-2010, (Ricke lab): Bisphenol A and prostate cancer development
- Nikesha Haynes, 2007-2010, (Ricke lab): Stromal AR mediates prostate cancer development
- David Dunn, 2006-2011, (MS, PhD) (PhD student-Carl Pinkert)
- Shapiro Scholars (Medical student summer internship)
  - 2014
    - Christopher Spoke: Estrogen regulation in mens’ health: testosterone and estradiol hormone alterations.
    - Alex Becka: Estrogen regulation in mens’ health: effects on fertility.
  - 2013
    - Andrew Brunk: Estrogen regulation in mens’ health: a chart review
    - Katy Omernick: Estrogen regulation in mens’ health: a chart review
    - Lacmbouh Ade: Estrogen regulation in mens’ health: a chart review
- Medical Students:
  - Tyler Bauman, 2014-present, Washington University Medical School
    - Men treated with 5 $\alpha$ RI and their effects of prostate pathology
    - Fibrosis in the prostate
    - Beta-catenin in BPH and cancer
    - CD147 involvement in prostate cancer
    - AR variants in prostate cancer and BPH
  - Priyanka Sehgal, (4<sup>th</sup> Year, research year), 2012-2013
    - AR and ER localization and expression in the prostate
  - Matt Houlihan, (4<sup>th</sup> Year, research year), 2012-2013
    - BPH nodule types in men: a chart review
  - Andrew Brunk UW-Madison (2013-2014)
    - Chart review analysis in men treated with clomiphene citrate
  - Stephen George URM (2007)
    - Role of phthalates on androgen receptors in the lower urinary tract
- UW-Resident Projects:
  - Brett Johnson (PGY2, 3); 2013-2016
    - Aromatase Inhibitors and their effects in sub fertile men
- Rusch Scholar: Brett Becker (Senior, University of Wisconsin Platteville)
- Undergraduate Trainer, BIO152,
  - Devin Deegan, 2017 (BIO151)
  - Katelin Cunningham , volunteer researcher,2015-2019

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- Yuchen Ying, volunteer researcher, 2016-2018
- Alexandra J. Walkush (volunteer researcher), 2014-16
- Zachary Helman (volunteer researcher), 2012-present
- Qican Weng (volunteer researcher), 2012-15
- Veena Tripathi (volunteer researcher), 2011-2012
- Matt McDonald (volunteer researcher), 2011. Current position: Marquette Dental School
- Tyler Bauman (volunteer researcher), 2011-2013 attending Washington University Medical School
- Chuyee Xiong (volunteer researcher), 2011-2012
- Delisa Belk, Claflin University, Orangeburg, SC: Thesis genomic evolution in
  - A model of human prostate cancer cells using single nucleotide polymorphism array analysis. Current position: The Federal Bureau of Investigation, Quantico, Virginia
- Lily Kim, University of Rochester, Rochester, NY, 2009-2010
- Rebecca Watro, University of Rochester, Rochester, NY, 2009-2010
- Fahmina Tanni, University of Rochester, Rochester, NY, 2009-2010
  
- Undergraduate Trainer, SURG699:
  - Sang Yoon Lee volunteer researcher, 2016-2017
  - Chongzhi Sun volunteer researcher, 2016-2017
  - Amrit Hundal volunteer researcher, 2016-2017
  - Izak Walker volunteer researcher, 2016-present
  - Adetola Coker volunteer researcher, 2016-2018
  - Sean McSweeney volunteer researcher, 2015-2018, attending medical school, University of Minnesota
  - Maximiliano Cisneros volunteer researcher, 2015-2017
  - Gary Karagodsky volunteer researcher, 2014-2016
  - Stephanie Lemancik volunteer researcher, 2015-2016
  - Alexandra Walkush volunteer researcher, 2014-2016
  - Qican Weng volunteer researcher, 2013-2015
  - Matt Brenner-Jedwabnik volunteer researcher, 2013-2015, attending UI-Chicago Epidemiology MPH
  - Zachary Helman (sophomore), 2012-present- currently Medical College of Wisconsin medical school
  - Alexandra J. Walkush (sophomore), 2013-present: 3D reconstruction of urogenital sinus
  - Ben Weigman (junior), 2013-present
  - Seth Hyman (2014)
  - Jason Campbell (2012-2013)
  - Matt Brenner (senior), 2013-present
  - Gary Karagodsky (junior) 2014-present
  - Stephanie Lemancik (sophomore), 2014-present
  - Maximiliano Cisneros (junior), 2013-present
  - Chuyee Xiong, 2012-2013
  - Matt McDonald, 2012-2013- currently Marquette School of Dentistry
  - Tyler Bauman, 2011-2014- currently Washington University Medical School
  - Robin Goettelman, 2012-2013- currently serving in the Peace Corps
  
- UW Peoples High School Scholars Program,
  - 2012, Guneet Aurora, Pullman, WI, “3D analysis of male urethras in adult rodents”
  - Olumide Awosika, Milwaukee, WI  
“Toxicity of Erlotinib and Raloxifene Combinations in Bladder Cancer”

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- Undergraduate Research volunteers:
  - Livianna Myklebust volunteer researcher, 2018-present
  - Paul Skelton volunteer researcher, 2017-2018
  - Jessica Sullivan volunteer researcher, 2016-2017
  - Matt Brenner-Jedwabnik volunteer researcher, 2013-2015, attending UI-Chicago Epidemiology MPH
  - Gary Karagodsky volunteer researcher, 2014-2016
  - Adetola Coker volunteer researcher, 2016-2018
  - Izak Walker volunteer researcher, 2016-present
  - Sunwoo Bae volunteer researcher, 2018
  - Seth Hymen volunteer researcher, 2014 (CALs Capstone course)
  - Alexandra J. Walkush (sophomore), 2013-present: 3D reconstruction of urogenital sinus
  - Zachary Helman (sophomore), 2012-present- currently Medical College of Wisconsin medical school
  - Seth Hyman (senior), 2013- currently technician at Covance
  - Calvin Lee (junior), 2013-2015
  - Tyler Clapper (junior), 2013-2015
  - Ben Weigman (junior), 2013-2014
  - Matt Brenner (senior), 2013-2016
  - Gary Karagodsky (junior) 2014-2016
  - Stephanie Smith (freshman), 2014-2015
  - Maximiliano Cisneros (junior), 2013-2017
  
  - Chuyee Xiong, 2012-2013
  - Matt McDonald, 2012-2013- currently Marquette School of Dentistry
  - Tyler Bauman, 2011-2014- currently Washington University Medical School
  - Robin Goettelman, 2012-2013- currently serving in the Peace Corps
  - Alexandra Geisler, 2013-2014
- Summer internship programs
  - Principal Investigator and trainer for Summer Program for Undergraduate Urology Research (SPUUR)—Course Director Chad Vezina. NIDDK sponsored summer internship for trainees in benign urology. Course curriculum 10-week program. (2015-present)
  - Trainer and Mentor, METC summer internship program for under-represented minorities—Principal Investigator and Course Director, Chris Bradfield. NSF sponsored internship (2013-present)
- Summer Interns:
  - Livianna Myklebust, 2019
  - Francesca Van, 2019
  - Asha Jain, 2019
  - Izak Walker, 2018
  - Katelin Cunningham, 2017, 2018
  - James Nelson, 2017, 2018
  - Sarah Johnson, 2017
  - Adetola Coker, 2017
  - Izak Walker 2016-present

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- Leema John (senior), NIDDK U54 summer scholar (2016)
- Andrew Achenbacher (junior), NIDDK U54 summer scholar (2016)
- Andy Vega, 2015, from Puerto Rico
- Rochely Luna, 2015, from Puerto Rico
- Isaac Beaubrun, Medgevers College, Molecular Environmental Toxicology Program-Intern, 2013
- Jenny Vo, University of California Santa Cruz, Molecular Environmental Toxicology Program-Intern, 2013
- Zoe Ravich, Archer School for Girls, Los Angeles, CA, 2006
- Kento Akasaka, University of Rochester, Rochester, NY, 2007
- Jon Cherry, University of Rochester, Rochester, NY, 2008
- Andrew Pritchard, Cortland State University, Cortland, NY, 2009-2010
- Erik Faber (Dartmouth scholarship), Dartmouth University, Hanover, NH, 2010
- Tyler Pixley, Rochester Institute of Technology, Rochester, NY, 2010
- Sophie Grutzner, West High School student, Madison, WI, 2011 (currently at Brandies College)

### Other Training:

- Society of Toxicology, The Graduate Student Leadership Committee (GSLC “Chat with an Expert (CWAE)” program (2015)
- Prostate Vertebrate Developmental Biology Workshop (monthly)
- Prostate and Prostate Cancer Workshop (monthly)
- Resident training (2006-present)
  - Weekly-Departmental Residency training meeting
  - Biannual didactic teaching-Resident Education Course
- Urology Resident Journal Club (monthly)
- Ricke Lab Journal Club (monthly)
- Biomedical Genetics Workshop (2h/week, 2006-2010)
- Proteomic Core group meeting (2h/week, 2006-2010)
- Urology Journal Club (2h/week, 2006-2010)
- Teachers assistant, ISU, NDSU, UM (1992, 1993, 1999)
- Guest lecturer, Reproductive Biology, University of Missouri (1998-99)
- Military instructor, Military working dog care and training, US Army reserve (1989-97)
- Laboratory instructor, Reproductive Physiology, North Dakota State University (1994)

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### SERVICE:

#### PEER REVIEW JOURNALS:

<i>American Chemical Society</i>	<i>Biology of Reproduction</i>	<i>BMC Bioinformatics</i>
<i>British Journal of Cancer</i>	<i>Cancer Research</i>	<i>Differentiation</i>
<i>Endocrine Related Cancer</i>	<i>Endocrinology</i>	<i>Envir. H. Perspectives</i>
<i>Exp. Opin. Invest. drugs</i>	<i>Future Oncology</i>	<i>Int. J. Andrology</i>
<i>Int. J. Cancer</i>	<i>Int. J. of Devel Biol</i>	<i>J. of Clinical Endocrin.&amp; Metab</i>
<i>J. of Endocrin.</i>	<i>J.Urol</i>	<i>Oncogene</i>
<i>Andrologia</i>	<i>Oncotarget</i>	<i>Amer J. Physiol-Renal</i>
<i>Nature Reviews Urology</i>	<i>The Prostate</i>	<i>IV-Reviews</i>
<i>PLoS ONE</i>	<i>Steroids</i>	

#### PEER REVIEW GRANTING AGENCIES:

- NIH/NIDDK Special Emphasis Review Panel ZRG1-DKUS-B(90), CHAIR R01 (2019)
- Office of Vice Chancellor Research and Graduate Education, Fall Faculty Competition study section 2019-2022
- Office of Vice Chancellor Research and Graduate Education, Vilas Associates study section 2019-2022
- NIH/NIDDK Special Emphasis Review Panel ZRG1-DKUS-B(90) R01 (2018)
- Center for Scientific Review, UROLOGIC MALIGNANCY-SPORE II (P50) study section, Ad Hoc Reviewer, June 2017
- Center for Scientific Review, Benign urology research centers (P20) study section, Ad Hoc Reviewer, July 2017
- ZDK1 GRB-3(02) Developmental Centers in Benign Urology (P20) (2017)
- ZCA1 RPRB-N (J1), P01 NCI Program Project Review III (2016)
- ZCA1 RPRB-7(01) SPORE Review II (2016)
- Center for Scientific Review, UROLOGIC MALIGNANCY-SPORE II (P50) study section, Ad Hoc Reviewer, June 2016
- Shapiro Scholars program, Applicant project assessment, 2016
- Center for Scientific Review, UROLOGIC MALIGNANCY-PROGRAM PROJECT (P01) study section, Ad Hoc Reviewer, May 2015
- University of Wisconsin-Madison Molecular and Environmental Toxicology Center Grad Student Training Grant Selection (2014-2017)
- University of Wisconsin-Madison Molecular and Environmental Toxicology Postdoctorate Training Grant Selection (2014-2017)
- NIDDK U54 benign urology centers opportunity pool reviewer (2014-present)
- University of Wisconsin-U54 pilot projects program (2014-present)
- Department of Defense, CDMRP-PCRP-IDA/SIDA, Prostate cancer Cell Biology study section, Adhoc Reviewer and Chair, 2013
- Center for Scientific Review, UROLOGIC AND GENITOURINARY PHYSIOLOGY AND PATHOLOGY study section, Ad Hoc Reviewer, 2012
- Department of Defense, CDMRP-PCRP-IDA/SIDA, Prostate cancer biomarkers study section, Adhoc Reviewer, 2012
- The Institute for Clinical and Translational Research (ICTR) in UW School of Medicine & Public Health, (2012)
- Center for Scientific Review, Special Emphasis Panel/Scientific Review Group 2011/05 ZRG1 DKUS-G

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(11) B meeting (2011)

- Center for Scientific Review, Translational Research Study Section, Special Emphasis Panel/Scientific Review Group 2010/08 ZRG1 OBT-A (55) R (2010)
- University of Rochester Interim Funding Scientific Review Committee (2008-2010)
- Prostate Cancer Foundation of Australia, Melbourne, Australia (2008-2010)
- The Prostate Cancer Charity, London, United Kingdom (2007)

### MEETING ORGANIZER:

- Organizer and Host, University of Wisconsin O'Brien Center symposium, "Molecular and Cellular Mechanisms of Fibrosis", April 2019
- Organizer and Host, University of Wisconsin O'Brien Center symposium, "Cellular Functions in Urology", April 2018
- Organizer and Host, University of Wisconsin O'Brien Center symposium, "Steroid Hormone Pathways and Mechanisms of Action in Benign Urologic Disease", May 2017
- Organizer and Host, University of Wisconsin O'Brien Center Retreat, Bethesda, MD June, 2016.
- Organizer and Host, University of Wisconsin O'Brien Center symposium, "The Environmental Impact on Urologic Health and Disease", April 2016.
- Organizer and Host, American Urologic Association NIDDK Resource Centers Meeting, "*How can I help my research*", 2015.
- Organizer and Host, *NIDDK Benign Urology Centers meeting*, Madison, WI, 2015
- Organizer and Host, University of Wisconsin O'Brien Center Retreat, August, 2015.
- Organizer and Host, University of Wisconsin O'Brien Center symposium, *The role fibrosis in lower urinary tract dysfunction*, April 2015.
- Organizer, Great Lakes Nuclear Receptor Meeting, Madison, WI (2014)
- Organizer, SBUR Fall Meeting, Dallas, TX (2014)
- Organizer, Uehling Lectures, DOU, "Benign Prostate Disease: From Molecules to Men" Madison, WI (2014)
- Organizer, UW P20 Center Meeting, Proteomics in benign urology, (2014)
- Organizing Committee, Society of Basic Urologic Research-Meeting, San Francisco, CA (2010)
- Organizing Committee, Society of Urologic Oncology-Meeting, (2010)

### LEADERSHIP/COMMITTEES: National and International:

- Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Organizing Committee, Member, 2018-present
- CAIRIBU Interaction Core, Director, 2018-present
- AUA Research, Education, Conferences, Communications (RECCC) Committee, Lithicum, MD (2017-present)
- Moderator, U54 Centers Directors Meeting Update, Madison, WI (2015)
- Moderator, NIDDK Centers Meeting, AUA Meeting, New Orleans, LA (2015)
- AUA Meeting, New Orleans, LA, 2015
- U54 Pilot project program: funded Departments of Urology (Dr. Penniston), Pharmaceutical Sciences (Dr. Li), and Comparative Biosciences (Dr. Goldberg) (2015-16)
- NIDDK Benign Urology Centers Steering Committee (2014-present)
- Representative for American Urological Association-Office of Research (2014)
- Consultant-NIDDK Centers, Norm Braveman Inc.-Future of Benign Urology (2014)
- Moderator, P20 Centers Directors Meeting Update, Pacific Grove, CA (2014)

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- Moderator, Great Lakes Nuclear Receptor meeting, Madison, WI, (2014)
- Executive Committee-Department of Urology (2013-present)
- Moderator, Society of Basic Urological Research-Fall Meeting (2013)
- Moderator, Gordon Research Conference, Hormones and Cancer (2013)
- Editor Differentiation 2011
- Faculty Awards Committee, Society for Basic Urologic Research (2013, 2014, 2015)
- Travel Awards Committee, Society for Basic Urologic Research (2013)
- Abstract Selection Committee, Society for Basic Urologic Research (2013)
- International SBUR meeting, Member: Organizing and Program Committees (2013)
- Moderator, International Congress of Andrology (ICA), “Prostate diseases” 2013
- Abstract Selection Committee, Society for Basic Urologic Research (2012)
- Finance Committee, Society of Basic Urologic Research (2010-present)
- Abstract Selection Committee, Society for Basic Urologic Research (2010)
- Travel award selection Committee, Society for Basic Urologic Research (2010)
- Chair, Society of Basic Urological Research-Spring Meeting, “Models of benign prostate growth and bladder outlet obstruction”, San Francisco, CA (2010)
- Moderator, Society of Basic Urological Research-Fall Meeting (2009)
- Executive Committee Member, Board Member, Officer, Member at Large, Society for Basic Urologic Research (2008-2010)
- Moderator, Society for the Study of Reproduction (SSR), “Growth factors and matrix regulation in the reproductive tract” Omaha, Nebraska 2006

### CAMPUS COMMITTEES:

- SMPH promotions committee, office of the Dean 2019-present
- SMPH Basic Science Strategic Advising Committee, Member, 2019-present
- Space and Planning Committee, University of Wisconsin Carbone Cancer Center, 2016-present
- Space and Planning Committee, University of Wisconsin-UWCCC representative to SMPH and the Dean’s office, 2016-present
- U54 Symposium Organizing Committee, Chair, 2014-present
- University of Wisconsin George M. O’Brien Center, Steering Committee, 2014-present
- University of Wisconsin George M. O’Brien Center, Senior Executive Committee, 2014-present
- American Urological Association Office of Research, Representative, 2014
- NIDDK Centers, Norm Braveman Inc. – Future of Benign Urology, Consultant, 2014
- METC training grant selection committee, (2013-present)
- METC steering committee (2013-present)
- UW-Dept. of Urology-Executive Committee (2013-present)
- Faculty Senate, District 91 (2012-2015)
- Department of Urology Transition Committee (2012-present) Awards Committee, Society of Basic Urologic Research 2011-2016
- Abstract Selection Committee, Society of Basic Urologic Research, 2012-2016
- Graduate Student Steering Committee, Pathways to Human Disease (2009-2010)
- Graduate Student Selection Committee, Department of Pathology (2007-2010)
- University of Rochester Medical Center- Department of Urology Research Planning (Basic, Clinical, and Translational) Committee
- The Graduate Alumni Fellowship Award-Selection Committee, University of Rochester (2009-2010)
- The Irving L Spar Fellowship Award-Selection Committee, University of Rochester (2009-2010)
- The Merritt and Marjorie Cleveland Award-Selection Committee, University of Rochester (2009-2010)



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- Alumni Award for Excellence in Teaching-Selection Committee, University of Rochester (2009-2010)
- Convocation Awards Committee, University of Rochester Medical Center
- University of Rochester Medical Center-Urological surgical specimen use committee (2007-2008)
- Urology Residency Selection Committee, URMC Department of Urology (2006, 2007)

### **COMMITTEES/OTHER**

- Podium Presentation Judge, Duke University, Multidisciplinary Benign Urology Research Day, (2016)
- Poster Judge, Duke University, Multidisciplinary Benign Urology Research Day, (2016)
- Poster Judge, Illinois Symposium on Reproductive Sciences (ISRS; 2012)
- Poster Judge, Pathology Research Day, University of Rochester (2010, 2009)

### **PROFESSIONAL SOCIETIES, PROGRAMS, AND CENTERS:**

#### National/International Associations:

- Society of Toxicology (SOT)
- Endocrine Society (ENDO)
- Society for Basic Urologic Research (SBUR)
- Consortium Linking Academic and Regulatory Insights on the Toxicity of Bisphenol A (CLARITY-BPA)
- American Legion

#### University of Wisconsin:

- University of Wisconsin Carbone Cancer Center
- Molecular Environmental Toxicology Center
- Cancer Biology Training program
- Molecular Environmental Toxicology Training program
- Institute for Clinical and Translational Research Center
- Integrated Program In Endocrinology: iPEnd
- K12 Benign Urologic Research
- School of Pharmacy, Affiliate Faculty
- Molecular and Cellular Pharmacology Training program

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### INVITED FACULTY TALKS

#### University, Institutes, Companies

1. Harvard University, Boston, MA, A New Model for Prostatic Hormonal Carcinogenesis 2003
2. University of Iowa, Iowa City, IA, Stromal Androgen Receptors Mediate Prostate Carcinogenesis 2003
3. University of California San Francisco, San Francisco, CA, Analysis of Prostate Cell lines representing the full range of prostatic carcinogenesis 2004
4. Johns Hopkins University, The role of stroma in normal and neoplastic growth, 2005
5. University of Nebraska, Omaha, NB, Stromal-epithelial interactions in carcinogenesis 2006
6. University of Rochester Medical Center, Department of Pathology, The role of estrogens in prostate cancer progression 2006
7. University of Missouri, Columbia, MO, A female hormone in a male body: the role of estrogens in the prostate 2007 University College Dublin, Dublin, Ireland, Androgen action in prostate growth and development: Are androgens growth enhancers or inhibitors? 2007
8. University of Michigan, Ann Arbor, MI, “The role of stromal-epithelial interactions and androgens in prostatic carcinogenesis: new insights for cancer prevention” 2008
9. University of Michigan, Ann Arbor, MI, “The role of estrogens in the prostate pathologies” 2008
10. University of Rochester Medical Center Postdoc Association, How to interview for faculty and other science positions. Postdoc Association 2008
11. University of Wisconsin, Madison, WI, A female hormone in a male body: estrogen action in the prostate 2008
12. Mayo Clinic, Rochester, MN, “Understanding androgen action in prostate cancer progression” 2008
13. GTx Inc., “The role of estrogen in the manifestation of prostate cancer progression” 2009.
14. State University of New York Upstate, Syracuse, NY. “Androgen action in the prostate: can we prevent prostate cancer” 2009
15. University of Wisconsin Carbone Cancer Center, Prostate Research Group, Prostate Research Group, “The role of androgens in prostate cancer progression”, 2010
16. University of Wisconsin, Uehling Lectures, Department of Urology: Out Reach Program, “Hormonal induction of BPH and BOO in mice” (2011)
17. University of Wisconsin Carbone Cancer Center, Grand Rounds “The role of estrogens in prostate cancer progression-can we prevent prostate cancer progression”, 2011
18. University of Wisconsin Department of Urology, Grand Rounds “The role of androgens in castration resistant prostate cancer progression”, 2011
19. Grand Rounds, Department of Urology, Title: Androgens and prostate cancer progression. September 22, 2011
20. National Institute of Environmental Health Sciences, Durham, NC, Bisphenol-A Toxicology meeting, January 17-19, 2012. “BPA, state of the field on the male lower urogenital tract”, 2012
21. National Institute of Environmental Health Sciences, Durham, NC, Bisphenol-A Toxicology meeting, January 17-19, 2012. “Estrogenic effect in the lower urinary tract”, 2012
22. University of Wisconsin, Uehling Lectures, Department of Urology: Out Reach Program, “Estrogen action in prostate cancer progression” 2012
23. National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD, January 28-29, 2013. “State of the University of Wisconsin P20 Center: an update”
24. University of Wisconsin, Molecular Environmental Toxicology Center, “Endocrine disrupting compounds and prostate pathogenesis”, 2013
25. University of Wisconsin, McArdle Department of Human Oncology, “Modeling hormone action and stromal-epithelial interactions in prostate cancer progression”, 2013
26. University of Missouri, Columbia MO “To pee or not to pee: estrogen signaling in a mouse model” 2013
27. University of Wisconsin Department of Urology, Grand Rounds “The role of estrogens in prostate cancer progression: Beyond the clinical trial”, 2013

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28. Uehling lectures: Inflammation, Infection, and the Future of Urology  
November 1, 2013 “A Role for Sex Steroids and Inflammation in Prostate Function”
29. University of Pittsburgh Medical Center, Benign Urology: BPH and LUTS Yearly Mini-Symposium,  
“Hormone action in benign prostatic hyperplasia and bladder outlet obstruction.”, **KEYNOTE SPEAKER**,  
2013
30. National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD, “Urinary biomarkers of  
lower urinary tract symptoms (LUTS) in men” December 9-11, 2013.
31. National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD, Targeting Fibrosis in  
Kidney, Bone Marrow, and Urological Diseases, “Fibrosis and Prostate Disease”, 2014
32. University of Wisconsin-Molecular Environmental Toxicology Center, “Aryl hydrocarbon Receptor mediation  
in lower urinary tract dysfunction”, September, 2014
33. Uehling lectures, UW-Madison, Fluno Center, “Hormones and BPH: glandular growth and/or fibrosis”; 2014
34. Clark-Atlanta University, Atlanta, GA, Graduate student and postdoc association, “Hormone action and  
paracrine interactions in prostatic carcinogenesis”, 2015
35. University of Wisconsin-O’Brien Center, “Prostatic fibrosis as a mediator of prostate disease”, April, 2015
36. Duke University, Multidisciplinary Benign Urology Research Day 2016, Hormonal Regulation and Fibrosis in  
the Lower Urinary Tract, **KEYNOTE SPEAKER**. 2016
37. Mayo Clinic (Rochester), “Estrogen hormone action in prostate disease”, 2016
38. NorthShore University Health Systems, Evanston, IL, “Hormone action and paracrine effects in prostatic  
carcinogenesis”, 2016

### Scheduled seminars:

1. Urology Program Directors’ Meeting-NIDDK, Pacific Grove, CA, “Estrogen action in the development of  
fibrosis”, Dec 2016
2. University of Massachusetts-Boston, Boston, MA, “Understanding the molecular mechanism of estrogens in  
pathogenesis”, March 2017
3. Children’s Hospital, Harvard University, Boston, MA, “Fibrosis as a mediator of lower urinary tract  
dysfunction”, May 2017

### Scientific Meetings (Faculty Talks)

1. Columbia O’Brien Urology Center Symposium, “University of Wisconsin George M. O’Brien Center (U54):  
Cellular and Molecular Mediators of Fibrosis in the Development of Lower Urinary Tract Dysfunction”, New  
York, NY, October 2019
2. SBUR 2019, “Leadership in benign urology” plenary session, New Orleans, LA
3. External Expert Panel (EEP) Meeting, “Progress and Future of the UW-Madison & UM-Boston O’Brien  
Center”, Bethesda, MD, June 2018
4. SBUR 2018 “Role of O’Brien Centers in benign urology research” plenary session, Palm Springs, CA
5. External Expert Panel (EEP) Retreat, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”,  
Bethesda, MD, June 2018
6. O’Brien Center Retreat, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”, Mount  
Morris, WI, August 2017
7. External Expert Panel (EEP) Meeting, “Progress and Future of the UW-Madison & UM-Boston O’Brien  
Center”, Bethesda, MD, June 2017
8. External Expert Panel (EEP) Retreat, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”,  
Bethesda, MD, June 2017

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9. University of Wisconsin-Department of Urology Grand Rounds, “Modeling Prostate Disease in Mice and Cell Culture”, Madison, WI, September 2016
10. O’Brien Center Retreat, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”, Mount Morris, WI, August 2016
11. External Expert Panel (EEP) Meeting, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”, Bethesda, MD, June 2016
12. External Expert Panel (EEP) Retreat, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”, Bethesda, MD, June 2016
13. American Urology Association Meeting, Stratifying the Care of BPH: From Bench to Bedside and Back, “Fibrosis as a mediator of BPH/LUTD”, **PLENARY SESSION**, San Diego, CA, May 8, 2016
14. Duke University, Multidisciplinary Benign Urology Research Day, KURe and PMRC, “Hormonal Regulation and Fibrosis in the Lower Urinary Tract”, Durham, NC, April 29, 2016
15. UW-Madison-UM-Boston O’Brien Center Spring Symposium, “Environmental estrogen hormone action in the prostate and prostatic diseases”, 2016
16. University of Wisconsin/UMASS Boston George M. O’Brien Center Symposium on Environmental Impact on Urologic Health and Disease, “Estrogen Induction of LUTD in Mice”, Madison, WI, April 2016
17. National Institute of Environmental Health Sciences, Consortium Linking Academic and Regulatory Insights on BPA Toxicity (CLARITY-BPA), “Estrogenic Effects of BPA on the Lower Urinary Tract of Postnatal Day 1 Rats”, Durham, NC, November 2015
18. NIH/NIDDK Urology Developmental Centers Meeting, “Estrogen Action in Urinary Dysfunction”, Madison, WI., September 2015
19. O’Brien Center Retreat, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”, Mount Morris, WI, August 2015
20. NIH/NIDDK Urology Centers Steering Committee Meeting, “Overview of O’Brien Center”, Bethesda, MD, June 2015
21. External Expert Panel (EEP) Meeting, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”, Bethesda, MD, 2015 June
22. External Expert Panel (EEP) Retreat, “Progress and Future of the UW-Madison & UM-Boston O’Brien Center”, Bethesda, MD, 2015 June
23. American Urologic Association, Basic Science Symposium, “Estrogen Regulation in the prostate”, New Orleans, LA, 2015
24. American Urological Association, “Estrogen Regulation in BPH and the Lower Urinary Tract”, New Orleans, LA, May 15 2015
25. University of Wisconsin/UMASS Boston George M. O’Brien Urology Research Symposium, "Prostatic Fibrosis as a Mediator of Prostate Disease", Madison, WI, April 8-9, 2015
26. Clark-Atlanta University, “Hormone Action and Paracrine Interactions in Prostate Carcinogenesis”, Atlanta, GA, February 6, 2015
27. NIDDK-P20-U54 National Directors Meeting, “Fibrosis and lower urinary tract dysfunction”, Madison, WI, 2015
28. National Institute of Environmental Health Sciences, CLARITY-BPA consortium, “Environmental estrogen, BPA, induces developmental abnormalities in the lower urinary tract”, 2015
29. UW-Madison-UM-Boston O’Brien Center Retreat, “State of the Center”, August 2015
30. Society of Basic Urologic Research, “Estrogen regulation and fibrosis in lower urinary tract dysfunction”, Dallas, TX Fall 2014

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31. University of Wisconsin Department of Urology Uehling Lectures, “Hormones and BPH: Glandular Growth and/or Fibrosis”, Madison, WI, October 24, 2014
32. Society for the Study of Reproduction Annual Meeting, Montreal QB, CA; Platform session: “Cellular content and estrogen receptor-alpha expression and localization in prostate tissues, 2013
33. International Congress of Andrology, Melbourne, Australia, “Anti-androgens target stromal AR in prostate cancer progression”, 2013
34. Society of Basic Urological Research, Fall Meeting, Las Vegas, NV, Title: “Hormonal mediated reactivation of stromal-epithelial interactions in BPH”, 2011
35. Gordon Research Conference, Hormone action in development and disease, July 31-Aug. 5, 2011, Smithfield, RI; Invited Faculty, Title: Hormonal carcinogenesis of the prostate.
36. Society of Basic Urological Research, Spring Meeting, San Francisco, CA, Title: “Hormonal induction of benign prostatic hyperplasia and bladder outlet obstruction in mice” (2010)
37. Endocrine Society, 91<sup>st</sup> annual meeting, Washington D.C., Platform session: Hormones and Cancer, Title: “Estrogens and prostatic carcinogenesis” (2009)
38. Society for the Study of Reproduction Annual Meeting, Omaha, NB Androgen receptor loss promotes prostatic growth and proliferation (2006)
39. Gordon Research Conference, Hormonal Carcinogenesis, Meriden, NH; Prostate Cancer Progression the Role of Androgen Receptors (2003)

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### INVENTIONS-LICENSING:

Prostate carcinogenesis cell lines:

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### INSTITUTIONAL REVIEW BOARD APPROVALS:

IRB #	NAME	TYPE	STATUS	PI
2011-0694	Residual prostate tissue collection	Tissue collection	CERTIFIED	<b>RICKE</b>
2012-0508	Residual prostate tissue collection and analysis	Tissue analysis	Approved	<b>RICKE</b>
2012-1033	Retrospective chart review and analysis for archival prostate tissue	Retrospective	Approved	<b>RICKE</b>
2013-0448	Estrogen regulation and men's health	Retrospective	Approved	<b>RICKE</b>
2013-0119	Endocrine disruptors and male lower urinary tract dysfunction in NHANES	NHANES data	EXEMPT	<b>RICKE</b>
2012-0601	Urinary biomarkers of lower urinary tract symptoms in men	Intervention, minimal risk	Approved	<b>BUSHMAN</b>
2012-0508	Residual prostate tissue collection and analysis	Tissue (UW/Meriter)	Approved	<b>RICKE</b>
2012-1033	Retrospective Chart Review and Analysis for Archival Prostate Tissue	Retrospective	Approved	<b>RICKE</b>
2013-0448	Estrogen regulation and men's health	Retrospective	Approved	<b>RICKE</b>

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