CURRICULUM VITAE - CHAD M. VEZINA, PH.D.

PERSONAL DATA:

University of Wisconsin-Madison
School of Veterinary Medicine
Department of Comparative Biosciences
2838 Veterinary Medicine North Building
2015 Linden Drive
Madison, WI 53706
Phone: (608) 890-3235
Fax: (608) 262-7420
Email: chad.vezina@wisc.edu
Faculty webpage: http://www.vetmed.wisc.edu/people/cmvezina/
Lab webpage: http://www.vetmed.wisc.edu/lab/vezina/
ORCID page: http://orcid.org/0000-0001-7058-5399
Google scholar page:
https://scholar.google.com/citations?user=71yT1cIAAAAJ&hl=en&oi=sra
My Bibliography page:
https://www.ncbi.nlm.nih.gov/myncbi/chad.vezina.1/bibliography/public/

AUTOBIOGRAPHICAL SUMMARY:

I am Professor and Chair of Comparative Biosciences at the University of Wisconsin-Madison School of Veterinary Medicine and I am a member of the University of Wisconsin-Madison George M. O'Brien Center for Benign Urology Research. I received a B.A. degree in Chemistry & Biology from St. Olaf College and a Ph.D. in Pharmacology & Toxicology from the University at Buffalo. I completed post-doctoral studies at the University of Wisconsin-Madison where I investigated how environmental chemicals impact prostate development and function. My current research examines the mechanisms responsible for benign urologic disease. I am actively involved in building new research model systems and tools for microscopic image analysis and urodynamic testing in rodent models. I have dedicated substantial effort to resolving the landscape of the prostate through molecular mapping studies as part of the NIH-sponsored GenitoUrinary Development Molecular Anatomy Project (GUDMAP). I am also embedded in the urologic and toxicologic research fields, with roles in the Midwest Regional chapter of the Society of Toxicology, UW-Madison / UMASS Boston / UT Southwestern George M. O'Brien Center for Benign Urologic Research, and planning committee member for meetings of the Society of Toxicology, American Urological Society, and Society of Basic Urologic research.

I view my role in developing the next generation of scientists as the most important and rewarding aspect of my career. I developed an online course for K award applicants in conjunction with the American Urological Association. I recently chaired a standing NIH study section member for career development (K) awards. I have been a faculty instructor for the Cold Spring Harbor Mouse Development, Stem Cells & Cancer Course, and the Jackson Laboratories Workshop on Techniques in Modeling Human Cancer in Mice. I am an external advisor for NIH K12, R25, T32 and U2C/TL1 career development programs. I was a member of the trainee affairs committee of the Society of Basic Urologic Research. I directed the UW-Madison Molecular and Environmental Toxicology Graduate Program for five years. I created and co-direct the UW-Madison Summer Program in Undergraduate Urology Research and the UW-Madison K12 Urologic Research Career Development Program. I have served as primary research mentor to four post-doctoral trainees, twelve PhD trainees, five veterinary trainees, 24 undergraduates and three high school students. Trainees in my laboratory have been productive and successful, evidenced by a rich publication record and numerous prestigious awards

earned during and after tenure in my lab (Rhoades scholarship Finalist, Barry Goldwater Scholarship, NSF graduate research fellowship, NIEHS T32, F30, F31, K01, K12 and K99 fellowships) and by placement in outstanding academic and industry positions. I have also served on 67 PhD/MS dissertation committees, six NIH post-doctoral fellow committees, and 8 junior faculty committees.

PROFESSIONAL EXPERIENCE:

Current:

2024-Present	Chair, Department of Comparative Biosciences, School of Veterinary Medicine, UW-Madison
2025-Present	Co-Director, Kidney, Urology and Hematology (KUH) Generator TL1 Training core, UW-Madison
2022-Present	Director, Multidisciplinary K12 Urologic Research Career Development Program, UW-Madison
2015-Present	Co-Director, Summer Program in Undergraduate Urologic Research (SPUUR)
2020-Present	Professor, Dept. Comparative Biosciences, University of Wisconsin-Madison School of Veterinary Medicine, Madison, WI
2019-Present	Adjunct Professor, Dept. Urology, University of Wisconsin-Madison School of Medicine and Public Health
2019-Present	Affiliate Professor, Division of Pharmaceutical Sciences, University of Wisconsin-Madison School of Pharmacy

Previous:

2019-2025	Associate Director, George M. O'Brien Benign Urologic Research Center, UW-Madison
2019-2024	Director, Molecular and Environmental Toxicology Graduate Program, University of Wisconsin-Madison
20015-2020	Associate Professor, Dept. Comparative Biosciences, University of Wisconsin School of Veterinary Medicine, Madison, WI
2017-2018	Associate Director, Molecular and Environmental Toxicology Center, University of Wisconsin-Madison
2009-2015	Assistant Professor, Dept. Comparative Biosciences, University of Wisconsin School of Veterinary Medicine, Madison, WI
2003-2009	Postdoctoral Research Fellow, School of Pharmacy, University of Wisconsin, Madison, WI
1998-2003	Research Assistant, Dept. Pharmacology and Toxicology, University at Buffalo, Buffalo, NY
1998	Intern, University of Minnesota Veterinary Diagnostic Laboratory, St. Paul, MN
1998	Intern, Ecolab Department of Research and Development - Division of Pest Elimination, St. Paul, MN
1996	Program Intern, Minnesota Department of Natural Resources, St. Paul, MN

EDUCATION AND TRAINING:

2003-2009	University of Wisconsin-Madison, Madison, WI, Post-doctoral Fellowship
1998-2003	University at Buffalo, Buffalo, NY, Ph.D., Pharmacology and Toxicology
1994-1998	St. Olaf College, Northfield, MN, B.A. (Cum Laude), Chemistry, Biology
1992-1994	Minnehaha Academy High School, Minneapolis, MN

1991-1992 Burnsville High School, Burnsville, MN

GRANT SUPPORT:

Current Support:

TL1DK147565 (Chad Vezina and Michael Romero, MPI), 09/01/2025 –06/30/2030
NIH/NIDDK $4,410,690 total direct costs (1.2 cal mo effort support for Vezina)
Next Generation KUH Researchers (GENERATOR) Training Core
Role: MPI (co-director of the TL1 core)

R21AG077740-01A1 (William Walker and Paule Cooke, PIs), 09/30/2023-09/30/2026 (NCE)
NIH/NIA
Steroid Hormone Pathways Regulating BPH and LUTS
Role: Co-I

K12 DK100022 (Chad Vezina, PI) 07/01/2023 - 06/30/2028
NIH/NIDDK, $2,995,590 total DC
Wisconsin Multidisciplinary K12 Urologic Research Career Development Program
Role: MPI

R01 DK000000-00 (Doug Strand PI), 07/01/2023 – 06/30/2028
NIH/NIDDK, 268,134.00 total DC to my lab
Interstitial fibroblasts drive prostate branching morphogenesis
Role: Co-I

R01 HD111425 (Fei Zhao PI), 04/2023 – 03/2028
NIH/NICHD, 268,134.00 total DC to my lab
Mechanisms of androgen-dependent Wolffian duct differentiation
Role: Co-I

R25 DK130838 (Chad Vezina and Kris Penniston, PIs), 7/01/2021 to 6/30/2027
NIH/NIDDK, $1,385,009 total DC)
Summer Program in Undergraduate Urology Research (SPUUR)
Role: PI.

RC2 DK129994 (Chad Vezina and Doug Strand, MPI), 09/15/2022-05/31/2027
NIH/NIDDK ($742,461 Direct / year)
Bedside to bench resources for lower urinary tract research
Role: MPI

U54 DK104309 (Jonathan Barasch, Cathy Mendelson, Ali Gharavi PIs), 7/01/2021 to 6/30/2026
NIH/NIDDK, $10,000 annual DC to my lab
Important for Urothelial Homeostasis and Response to Injury
Role: Co-I

Pending Support:

2R01 000000-00 (Chad Vezina, PI), 07/01/2026-06/30/2030
NIH/NIDDK, 1,738,605.00 total direct costs
Targeting serotonin to treat prostatic inflammation related urinary voiding dysfunction

The goal is to test whether urethral neuroendocrine cells mediate male lower urinary tract dysfunction
Role: PI

2R01 000000-00 (Chad Vezina and Maria Hadjifrangiskou, MPI), 07/01/2025-06/30/2030
NIH/NIDDK $2,917,457 total direct costs
Mechanisms of pathogen urethral ascension
The goal is to determine chemoattractant and chemorepulsive mechanisms for ascension of bacteria in UTI
Role: Multiple Principal Investigator

Completed Support:

Collaborating for the Advancement of Interdisciplinary Research In Benign Urology (CAIRIBU) Collaborations Award Program (Kimberly Keil Stietz and Walid Farhat, MPI), 9/01/2024 - 8/31/2025
NIH/NIDDK, $50,000 total DC
Genetic origin of incontinence linked to Shh signaling
Role: Co-I

U54 DK104310 (William Ricke, PI), 9/25/2019 to 7/31/2025
NIH/NIDDK ($129,407 direct costs/ year to my lab)
CTGF drives voiding dysfunction through expression of collagen in periurethral SRD5A2+ fibroblasts.
Roles: Associate Center Director and Project 2 director.

K12 DK100022 (Matthew Grimes PI), 07/01/2020 to 06/30/2025
NIH/NIDDK ($139,42 Direct /year)
Loss of CD44 expression drives altered collagen structure in lichen sclerosus
Role: Co-mentor

R01 ES001332 (Chad Vezina and Richard Peterson, MPI), 08/01/2017-07/31/2024
NIH/NIEHS $1,542,770 total direct costs
Reproductive and developmental toxicity of dioxin
The goal is to test whether TCDD causes BPH and urinary complications
Role: Multiple Principal Investigator

U01 DK110807 (Chad Vezina, PI), 9/15/2016-6/31/2024 (No cost-extension)
NIH/NIDDK ($203,032 direct costs/ year)
Molecular and fate maps of prostatic stroma
The goal is to create cell lineage, RNA, and protein maps across mouse and human prostatic stroma.
Role: Principal Investigator

R01 DK118145 (Dale Bjorling, PI), 08/05/2019-04/30/2023
NIH/NIDDK ($585.489 direct costs/year)
Regulation of bladder structure and function by micro-RNA29
Role: Co-Investigator

R01 HD094759 (Laura Hernandez, PI), 07/20/2018 – 04/30/2023
NIH/NICHD ($214,283 direct costs/ year)
Influence of SSRI use during pregnancy and lactation on maternal bone health
Role: Co-Investigator

T32 ES007015 (Christopher Bradfield, PI), 7/01/2018-6/30/2023
NIH/NIEHS, ($612,326 direct costs/ year)
Molecular & environmental toxicology pre- and postdoctoral training grant

Role: Co-Investigator (Deputy Director)

F30 DK122686 (Hannah Ruetten, PI), 09/05/2019 to 10/4/2021
NIH/NIDDK ($31,466 direct costs/ year)
Prostate inflammation increases collagen and voiding dysfunction
Role: Primary Mentor

K01 DK127150 (Petra Popovics, PI) 01/15/2021-01/14/2022
NIH/NIDDK ($146,500 Direct / year)
Osteopontin: A Novel Mediator of prostatic inflammation and fibrosis
Role: Co-mentor

R01 CA204320 (Jim Shull, PI), 3/1/2017-2/29/2022
NIH/NCI, ($323,058 direct costs/ year)
Characterization of Emca4, the rat ortholog of the 8q24 breast cancer risk locus
The goal is to map and characterize a genetic locus of susceptibility to breast cancer.
Role: Co-Investigator

F31 ES030968 (Anne Turco, PI), 04/21/2020 to 04/20/2022
NIH/NIDDK ($31,466 direct costs/ year)
Developmental origins of prostate-related urinary dysfunction in adult males: TCDD exposure increases prostatic noradrenergic innervation and smooth muscle contraction
Role: Primary Mentor

K12 (Petra Popovics PI, 06/01/2019 to 05/31/2024
NIH/NIDDK ($ $139,42 Direct /year)
The role of osteopontin in prostatic inflammation and benign prostatic hyperplasia
Role: Co-mentor

F31 ES028594-01A1 (Kyle Wegner, PI) 4/1/2018-3/30/2019
NIH/NIEHS, ($31,466 direct costs/ year)
TCDD reprograms prostate stroma and causes fibrosis to induce urinary dysfunction
Role: Primary Mentor for Kyle Wegner

R01DK099328 (Chad Vezina, PI), 07/15/2014-06/30/2019
NIH/NIDDK, $217,400 direct costs/ year)
Role of DNA methylation in prostate glandular development and urinary function
The goal is to determine how DNA methylation controls prostate glandular development and how its actions during development and in adulthood impact urinary function
Role: Principal Investigator

U54DK104310 (Will Ricke, PI), 9/24/2014-8/31/2019
NIH/NIDDK (150,165 direct costs/year)
Roles of beta-catenin in urinary dysfunction
The goal is to elucidate beta-catenin roles in lower urinary tract fibrosis and urinary dysfunction
Role: Project Director

U01DK110807-02S1 (Chad Vezina Mentor for Mark Cadena), 06/01/2017 – 05/31/2018
NIH/NIDDK, $131,482 total direct costs
Role of prostate neuroendocrine cells in homeostatic regulation of prostate stroma (Diversity Supplement)
Role: Sponsor/Principal Investigator

(Vezina and Nichol, C0-PI), 07/01/2016-06/30/2017
The Institute for Clinical and Translational Research (an NIH CTSA awardee), UW-Madison $50,000
Generating autologous intestinal organoids to treat intestinal diseases
The goal is to test the role of stromal matrices in controlling lineage assignments of intestinal progenitors.
Role: Principal Investigator

UW-Madison Comprehensive Cancer Center (Will Ricke, PI), 4/01/2016-3/31/2017
$12,500 total direct costs
Identification of DDX3/Belle as a mediator of androgen receptor stability: a new mechanism for castration resistant prostate cancer (CRPC).
The goal is to determine whether the RNA helicase, DDX3, increases androgen receptor stability in prostate cancer
Role: Co-Investigator

R01ES001332 (Richard E. Peterson, PI), 09/01/2010-08/31/2015
NIH/NIEHS, $2,025,350 total direct costs
Reproductive and developmental toxicity of dioxin
The goal is to identify molecular mechanisms responsible for impaired mouse prostate development and increased prostate disease risk following *in utero* and lactational TCDD exposure.
Role: Co-Investigator

P20DK097826 S2 (Wade Bushman, PI), 05/14/2012- 05/15/2015
NIH/NIDDK, $99,676 total direct costs
Supplement to urinary biomarkers of lower urinary tract symptoms (LUTS) in men
The goal of this subproject is to create fate maps for the various cell types in the developing and regenerating lower urinary tract of male and female mice.
Role: Co-Investigator

P20DK097826 (Wade Bushman, PI), 9/29/2012 - 8/31/2015
NIH/NIDDK, $400,000 total direct costs
Urinary biomarkers of lower urinary tract symptoms (LUTS) in men
The goals are to identify urinary protein and metabolite biomarkers that associate with urinary tract symptoms in men and identify mouse models of LUTS that recapitulate these biomarkers.
Role: Co-Investigator

R03DK096074 (Chad Vezina, PI), 07/20/2012-12/31/2014
NIH/NIDDK, $100,000 total direct costs
The epigenome: a new target for androgen receptor in developing prostate
The goal is to characterize epigenetic regulation and function of WNT inhibitory factor 1 in prostate development.
Role: Principal Investigator

Chad Vezina, PI (Will Ricke, Co-PI), 1/2014 – 3/2014
Molecular and Environmental Toxicology Center, UW-Madison, $9,000 total direct costs
Effects of fetal TCDD exposure on adult male urinary dysfunction
The Goal is to test whether fetal exposure to dioxin changes urinary function in adulthood
Role – Principal Investigator

13GHSU24 Chad Vezina, PI, 10/01/2013 – 9/30/2014
Diabetes Complications Consortium, $43,190 total direct costs
Intermittent hypoxia and urologic complications of diabetes

The goal is to test whether intermittent hypoxia, a hallmark of obstructive sleep apnea, causes urinary dysfunction in control mice and worsens urinary function in diabetic mice
Role: Principal Investigator

K01DK083425 (Chad Vezina, PI), 04/01/2009-09/30/2014
NIH/NIDDK, $717,443 total direct costs
Beta-catenin and prostate development
The goal is to determine the mechanisms by which beta-catenin participates in prostate development in the mouse.
Role: Principal Investigator

Chad Vezina, PI, 07/01/2013 - 6/30/2014
UW-Madison Graduate School, $39,043 total direct costs
The role of DNA methylation in prostate morphogenesis
The goal is to test the requirement of Dnmt1 in prostate development
Role: Principal-Investigator

U01DK070219 (James Lessard, PI), 09/01/2009-03/30/2011
NIH/NIDDK, $179,728 total direct costs
Murine atlas of genitourinary smooth muscle development.
The goal of the subcontract is to create an atlas of gene expression in the fetal, neonatal, and adult prostate.
Role: Principal Investigator of subcontract entitled 'Murine Atlas of Prostate Development.'

F32ES014284 (Chad Vezina, PI), 1/1/2005-11/30/2008
NIH/NIEHS, $150,772 total direct costs
TCDD impairs prostate development: *Cyp2c39* & retinoids
The Goal is to determine whether *Cyp2c39*-mediated metabolism of retinoic acid contributes to impaired mouse ventral prostate development by TCDD.
Role: Principal Investigator

CLASSROOM INSTRUCTION:

2026-Present	Foundations in Veterinary Medicine II
2025	Careers In Veterinary Medicine (PBS 15), University of Wisconsin-Madison
2021-Present	Introduction to Responsible Conduct in Research (OBGYN 955), University of Wisconsin-Madison
2019-Present	Summer Research Scholars Responsible Conduct in Research, University of Wisconsin-Madison
2019-2024	Scientific Communication in Molecular & Environmental Toxicology (MET801), University of Wisconsin-Madison
2017-2024	Research Ethics and Career Development (PBS938), University of Wisconsin-Madison
2016-Present	Toxicology II (MET626), University of Wisconsin-Madison
2014-Present	Responsible Conduct of Research for Biomedical Graduate Students (OBGYN955), University of Wisconsin-Madison
2011-2022	Active Integrated learning II (OBS703), University of Wisconsin-Madison
2011-Present	Endocrine Physiology (ANSCI875), University of Wisconsin-Madison
2004-Present	Toxicology I (MET625), University of Wisconsin-Madison
2014	Colloquium in Environmental Toxicology (MET606), University of Wisconsin-Madison

2012	Urology Resident Education Conference, University of Wisconsin-Madison
2010-2026	Veterinary Pharmacology (CBS556), University of Wisconsin-Madison
2009	Introduction to Veterinary Research, University of Wisconsin-Madison
2000-2001	Clinical Biochemistry (CLS401), University at Buffalo
2000-2001	Toxicology Principles and Practice (Pharm626), University at Buffalo

ADVISORY LEADERSHIP:

2025-Present	Co-Director, Kidney, Urology and Hematology (KUH) Generator TL1 Training core, UW-Madison
2022-Present	External Advisor, Chicago Kidney Urology Hematology network FOR city-Wide reseArch tRaining and career Development (Chicago KUH FORWARD) (Northwestern University)
2021-Present	Advisory Board Member, UW-Madison SciMed Graduate Research Scholars
2021-Present	Internal Steering Committee, UW-Madison Post-Baccalaureate Program in Biomedical Sciences
2020	External Advisor, NorthShore University / Indiana University P20 Center for Benign Urologic Research
2020-2023	Chair of admissions and executive committee member, UW-Madison Graduate Program in Clinical Investigation
2022-Present	Director, UW-Madison Multidisciplinary K12 Urologic Research Career Development Program
2016-Present	Director, UW-Madison Summer Program in Undergraduate Urology Research (SPUUR)
2019-2024	Director, UW-Madison Molecular and Environmental Toxicology Graduate Program
2019-2025	Associate Director, UW-Madison George M. O'Brien Benign Urology Research Center
2019-2020	President, Midwest Regional Chapter of the Society of Toxicology
2019-Present	Steering Committee Member, UW-Madison Endocrinology and Reproductive Physiology T32 Training Grant
2018-Present	External Advisor, Mayo Clinic of Rochester Nephrology Summer Undergraduate Research Fellowship Program
2017-2019	Associate Director, UW-Madison Toxicology T32 Training Grant
2017	External Advisor, University of California San Francisco Multidisciplinary Urologic Research (KURe) advisory committee

ADVISEES:

Staff Scientist Mentor:

2014-2020	Lisa Abler

Multidisciplinary K12 Urologic Research (KURe) Career Development Program Trainee Mentor:

2020-2025	Matthew Grimes, Assistant Professor of Urology UW-Madison
2020-2024	LaTasha Crawford, Assistant Professor of Pathobiological Sciences UW-Madison
2019-2022	Petra Popovics, Assistant Scientist UW-Madison

NIH K01 Career Development Awardee Advisory Committee Member

2022-present	Katherine Xu, Post-doctoral Scholar, Columbia University
2020-2023	Petra Popovics, Assistant Scientist, UW-Madison
2019-2024	Teresa Liu, Assistant Scientist, UW-Madison

Post-doctoral Trainee Mentor:

2018	Chelsea O'Driscoll
2009-2014	Vatsal Mehta
2009-2014	Lisa Abler

Ph.D. Thesis Mentor:

2025-Present	Shreya Nair
2025-Present	Elliot Heye
2023-Present	Allison Rundquist
2022-2024	Robbie Manuel
2021-2024	Marcela Ambrogi
2019-2025	Nelson (Thomas) Peterson
2019-2025	Brandon Scharpf
2016-2021	Anne Turco
2016-2021	Hannah Ruetten
2015-2020	Mark Cadena
2014-2019	Kyle Wegner
2015-2018	Diya Joseph
2010-2015	Kimberly Keil

Veterinary Scholar Mentor:

2020	Mary Murphy
2019-2020	Clara Cole
2019	Marlyse Wehber
2013-2014	Rheba Mabie Zimmerman
2012-2013	Matthew Slentz

Undergraduate Researcher Mentor:

2025	Hattie Stoor
2025	Olivia Zhu
2024	Akhil Pidikiti
2022	Peter Graf
2022	Piper Bandera

2020-2022	Oliva Fox
2019-2021	Jonathan Zhu
2019-2020	Nicholas Girardi
2019-2023	Jaskiran Sandhu
2018-2022	Simran Sandhu
2018	Britta Chelgren
2018-2021	Thrishna Chathurvedula
2017-2019	Brett Mueller
2015-2019	Royal Oakes
2017-2018	Helen Zhang
2017	Jalin Roberson
2017	Laura Vergenz
2017	Tyler Didier
2017	Enrique Avila
2016	David Pontes
2016	Kalina Bathke
2016-2018	Adam Gottschalk
2015	Kamyra Odokpolor
2015	Katyalex Schoenicke
2015	Regan Truttschel
2014	Arnaldo Lopez
2011-2016	William Mulligan
2014-2016	Helene Altmann
2012-2014	Christopher Schmitz
2010-2011	Erik Elton
2010-2014	Pinak Joshi
2014	Chelsea Leigh Flucus

Post-Baccalaureate Researcher Mentor:

2024-2025	Shreya Nair
2023-2024	Jojo Maier

High School Researcher Mentor:

2021-2023	Sneha Chandrashekar
2018-2019	Jaskiran Sandhu
2018	Simran Sandhu
2016-2017	Anoop Chandrashekar

Vezina Lab Trainee Awards:

2026	Allison Rundquist, KUH Generator TL1 Fellowship
2025	Shreya Nair, Best Poster Award (Hormonal mechanisms section), Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting
2025	Shreya Nair, UW-Madison Morgridge Fellowship
2025	Akhil Pidikiti, UW-Madison Sophomore Research Award
2024	Allison Rundquist, Research Assistant, Best Poster Award for New Technologies, Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting
2024	Jojo Mayer, Post-baccalaureate Researcher, National Science Foundation (NSF) Graduate Research Fellowship
2023	Ren Katz, Undergraduate Researcher, Best Poster Award, Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting
2022	Jaskiran Sandhu, Undergraduate Researcher, UW-Madison Hilldale Research Award
2022	Sneha Chandrashekar, high school researcher, Capital Science and Engineering Fair (2nd place in biological and chemical sciences, Society for women engineer's award, Society for in vitro biology award) and Badger State Science and Engineering Fair (4th Overall, 2nd place in Medicine/Health, and American Society for Quality Award)
2021	Matthew Grimes, K12 Scholar, Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Best Abstract Award
2021	Clara Cole, Veterinary Student Researcher, CBS award for veterinary research excellence
2021	Jaskiran Sandhu, Undergraduate Researcher, UW-Madison Sophomore Research Fellowship
2021	Hannah Ruetten, Research Assistant, Richard F. Marsh Outstanding Graduate Student Award for exceptional research accomplishments
2020	Hannah Ruetten, Research Assistant, Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) annual meeting, best poster award
2020	Anne Turco, Research Assistant, Society of Basic Urologic Research Travel Award
2020	Thrishna Chathurvedula, Undergraduate Researcher, UW-Madison Hilldale Undergraduate Research Fellowship
2020	Anne Turco, Research Assistant, Eric Andreasen Memorial Award for Research Excellence
2020	Anne Turco, Research Assistant, National Institutes of Health F31 Research Fellowship Award
2020	Kyle Wegner, Research Assistant, Wisconsin Initiative for Science Literacy Award for Communicating Graduate Chemistry Research to the Public.
2020	Anne Turco, Celebrating Women in Toxicology Award, Society of Toxicology
2019	Hannah Ruetten, Research Assistant, Best Poster Award, Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting, Kansas City, MO
2019	Nick Girardi, Undergraduate Researcher, Trewartha Senior Thesis Research Grant (University of Wisconsin-Madison College of Letters and Science)
2019	Anne Turco, Research Assistant, Zaman-Saroya Award winner for excellence in research and scholarship (University of Wisconsin-Madison)
2019	Kyle Wegner and Hannah Ruetten, Research Assistant, Travel Award Grants to the Society of Toxicologic Pathology
2019	Diya Binoy Joseph, Research Assistant, UW-Madison Cellular and Molecular Biology Exceptional Thesis Award (given to one student annually)

2019 Kyle Wegner, Research Assistant, UW-Madison Student Travel Award Grant

Ph.D. Thesis Committee Member:

2026-Present Bayli Morton, Molecular and Environmental Toxicology
2026-Present Eshwari Kulkarni, Endocrinology and Reproductive Physiology
2025-Present Lydia Agnew, Endocrinology and Reproductive Physiology
2025-Present Jennifer Adams, Comparative Biosciences
2025-Present Teresita de Jesus Valdes Arciniega, Endocrinology and Reproductive Physiology
2025-Present Paul Corsetti, Molecular and Environmental Toxicology
2025-Present Wenyan Bai, Endocrinology and Reproductive Physiology
2025-Present Jojo Maier, Endocrinology and Reproductive Physiology
2024-Present Rachel Walkup, Molecular and Environmental Toxicology
2024-Present Julia Tlapa, Endocrinology and Reproductive Physiology
2024-Present Hannah Richerson, Environmental Studies
2025 Ashley Tindle Molecular and Environmental Toxicology
2023-Present Jacqueline Sanson, Genetics and Genomics Graduate Program (University of Florida)
2023 Rachel Dahm, Endocrinology and Reproductive Physiology
2023-Present Paula M. Mañán Mejías, Pharmaceutical Sciences
2022-Present Madelyn Ellis, Cancer Biology
2022-Present Alyssa Fogarty, Comparative Biosciences
2022-Present Samuel Saghafi, Comparative Biomedical Sciences
2024 JP Andrade, Dairy Sciences
2021-Present Alexis Adrian, Molecular and Cellular Pharmacology
2025 Tyler Beams, Molecular and Environmental Toxicology
2024 Conner Kennedy, Molecular and Environmental Toxicology
2025 Emily Tran, Comparative Biomedical Sciences
2023 Kenneth Sandro Rivera-Gonzalez, Molecular and Environmental Toxicology
2023 Hannah Fricke, Endocrinology and Reproductive Physiology
2021 Kyoungtea Kim, Molecular and Environmental Toxicology
2021 Celeste Underriner, Molecular and Cellular Pharmacology
2022 Chris Unterberger, Pharmaceutical Sciences
2022 Genevra Kuziel, Cancer Biology
2022 Melissa Adams, Genetics
2020 Joni Sedillo, Molecular and Environmental Toxicology
2020 Lauren Hillers, Cellular and Molecular Biology
2020 Anna Kowalkowski, Physiology
2020 Rachel Wilson, Molecular and Environmental Toxicology
2019 Anqi Fu, Endocrinology and Reproductive Physiology
2019 Samuel Thomas, Molecular and Environmental Toxicology
2019 Juliana Falero-Perez Ph.D., Molecular and Environmental Toxicology Program

2018 Jessica Muhlenbeck, Molecular and Environmental Toxicology
2018 Eunjin Cho, Molecular Pathology
2018 Bao Le, Pharmaceutical Sciences
2018 Samantha Weaver Ph.D., Endocrinology and Reproductive Physiology
2018 Josh Everson Ph.D., Molecular and Environmental Toxicology
2018 Jalissa Wynder Ph.D., Molecular and Environmental Toxicology
2017 Katharine Hausmann, Comparative Biosciences
2017 Mele Avilla, Molecular and Environmental Toxicology
2017 Ling Hao Ph.D., Pharmaceutical Sciences
2017 Michael Shea Ph.D., Molecular and Environmental Toxicology
2016 Annette Dean, Genetics
2016 Joseph Gawdzik Ph.D., Molecular and Environmental Toxicology
2016 Monica Yue Ph.D., Molecular and Environmental Toxicology
2016 Meghan Maguire Ph.D., Endocrinology and Reproductive Physiology
2015 Felipe Burns Ph.D., Molecular and Environmental Toxicology
2014 Elizabeth Hines Ph.D., Genetics
2014 Jimena Laporta Ph.D., Dairy Sciences
2014 Caroline Piskun Ph.D., Comparative Biomedical Sciences
2014 Samantha Lewis Ph.D., Endocrinology and Reproductive Physiology
2014 Letitia Wong Ph.D., Molecular and Environmental Toxicology

M.S. Thesis Committee Member:

2025 Sierra Sorenson, Molecular and Environmental Toxicology
2024 Nigina Khamidova, Molecular and Environmental Toxicology
2022 Christina Riehle, Endocrinology and Reproductive Physiology
2022 McKenna Crossen, Endocrinology and Reproductive Physiology
2021 Christian Hernandez, Molecular and Cellular Pharmacology
2020 Shelby Peterson, Molecular and Environmental Toxicology
2021 Hannah Peterson, Molecular and Environmental Toxicology
2018 Hannah Chung, Molecular and Environmental Toxicology
2016 Lydia Ansen-Wilson M.S., Comparative Biomedical Sciences
2015 Ryan Dashek M.S., Comparative Biomedical Sciences
2012 Shaina Johnson M.S., Molecular and Environmental Toxicology

NIH T32 Postdoctoral Training Grant Mentoring Committee Member:

2017 Clara Jeong Ph.D., Molecular and Environmental Toxicology
2017 Neil Lamarrre Ph.D., Molecular and Environmental Toxicology
2015 Catherine Rondelli Ph.D., Molecular and Environmental Toxicology
2013 Conrad Valdez Ph.D., Molecular and Environmental Toxicology

2010	Amanda Branam Ph.D., Molecular and Environmental Toxicology

Advanced Trainee, Clinical and Tenure Track Faculty Mentoring Committee Member:

2022	Molly Racette, DVM, Assistant Professor of Medical Sciences
2021-Present	Heather Barkholtz, PhD, Assistant Professor of Pharmaceutical Sciences / Wisconsin State Lab of Hygiene
2021-2025	Lauren Baker, DVM, Scientist and K12 Scholar Department of Medical Sciences
2020-2025	Matthew Grimes, MD, Assistant Professor of Urology
2018-2023	Mackenzie Pellin, DVM, Assistant Clinical Professor of Medical Sciences
2018-Present	LaTasha Crawford, DVM, Assistant Professor of Pathobiological Sciences
2015-2020	Teresa Liu, Ph.D., K12 Scholar, Dept. Urology
2017-Present	Michael Cahill, Ph.D., Assistant Professor of Comparative Biosciences
2014-2019	Sara Colopy D.V.M/Ph.D., Lecturer, Surgical Sciences
2014-2018	Mike Wood, D.V.M., Assistant Professor, Medical Sciences

SERVICE ACTIVITIES TO SCHOOL AND UNIVERSITY

University Service

2022-	Member, UW-Madison Endocrinology and Reproductive Physiology T32 Training Grant Steering Committee
2023-	Member, UW-Madison Scimed advisory council
2022-2023	Member, UW-Madison Graduate School Responsible Conduct in Research Taskforce
2022-2023	Member, SVM CCD Curricular Committee
2020-2021	Member, SVM task force for the assessment of clinical faculty during the time of COVID
2020-2021	Member, SVM human resources task force
2020	Member, SMPH Committee to develop grievance policy for SMPH graduate students
2018, 2023	Member, UW-Madison Biological sciences subcommittee for the Hilldale/Holstrom research awards
2017-2023	Member, UW-Madison Admissions and Recruiting Subcommittee of the Graduate Program in Clinical Investigation (ICTR), (Chair, 2020-2023)
2017-2023	Chair, School of Pharmacy Zaman-Saroya Award Naming Committee
2016-2018	Member, UW-Madison Comparative Biomedical Sciences Graduate Program Committee
2016	Coordinator, UW-Madison George M. O'Brien center seminar series in benign urology
2016	Member, UW Madison O'Brien Center Spring 2016 Symposium coordinating committee
2016-2023	Member, School of Pharmacy Pharmacology and Toxicology Bachelor of Science Program Admissions Committee
2015	Organizer, UW-Madison vertebrate development seminar series
2015	Organizer UW-Madison George M. O'Brien center seminar series in benign urology
2015-2016	Member, UW Madison O'Brien Center Spring Symposium coordinating committee
2015	Chair, UW-Madison IBS-SROP undergraduate endocrinology mentoring committee
2014-2017	UW-Madison Faculty Senator

2014	UW-Madison ICTR Grant Reviewer

School of Veterinary Medicine (SVM) Service

2026	Chair, SVM Search Committee for Associate Dean of Academic Affairs
2026	Member, SVM Professional Curriculum Teaching Load Task force
2025-2026	Member, SVM Taskforce on Revising Promotional Guidelines
2023-2025	Member, NIMLE Taskforce for SVM OnWard Curricular Development
2022-2023	Member, SVM CCD Curricular Committee
2020-2021	Member, SVM task force for the assessment of clinical faculty during the time of COVID
2020-2021	Member, SVM human resources task force
2018-202-	Member, SVM Animal User Committee
2018	Member, SVM Director of Communications and Media Relations Search Committee
2018	Member, SVM Search Committee for Senior Administration Program Specialist (Animal Resource Center)
2017-2024	Member, SVM Space Committee
2017	Member, SVM Associate Dean of Research performance review
2017-2020	Member, SVM Principal Investigator committee
2017	Member, SVM Director of Communications and Media Relations Hiring Committee
2016	Member, CBS subcommittee on revising criteria for promotion to full professor
2016	Member CBS Website Replacement Committee
2016-2017	Member, CBS Veterinary Physiology A course review committee
2016	Chair, SVM Digital Measures Task Force
2015, 2017	CBS subcommittee on revising criteria for promotion to full professor
2015	Member, CBS tenure-track faculty search committee
2014	Member, CBS DVM Student Research Award
2014-2015	SVM BSL-3/Vivarium Space Task Force for New Building Feasibility Study Committee
2013	Member, CBS Faculty member Search Committee
2013-2018	SVM Mentoring Task Force
2013	Member, SVM Computing Director Search Committee
2010-2023	Member, SVM Academic Planning Committee
2012-2014	Member, SVM Curriculum Committee
2010-2016	Member, SVM Companion Animal Fund Grant reviewer

UNIVERSITY COMMITTEES:

2025	School of Veterinary Medicine Facilities Director Search Committee
2025-	Advanced Genome Editing Laboratory (AGEL) Faculty Advisory Council
2024-	School of Veterinary Medicine Chairs Committee on Curriculum
2026	Chair, Search Committee for Associate Dean for Student Academic Affairs
2025-	School of Veterinary Medicine Promotions Task Force

2024-	School of Veterinary Medicine Academic Advisory Committee
2024	School of Veterinary Medicine Building Postings and Display Policy Taskforce
2023-	UW-Madison NIMBLE committee for establishing new veterinary curriculum
2022-2023	UW-Madison Graduate School Responsible Conduct in Research Taskforce
2021-Present	SciMed Graduate Research Scholars Advisory Board Member
2018-2019	School of Veterinary Medicine Principal Investigator Committee
2018-2019	School of Veterinary Medicine Digital Task Force
2017-2022	Selection Committee Co-Chair, Razia Zaman and Shahanara Zaman-Saroya Memorial Fund for Excellence in Scholarship and Research in the Pharmaceutical and Toxicological Sciences
2017-2024	Molecular and Environmental Toxicology Graduate Program Admissions Committee
2015-2024	School of Pharmacy Pharmacology and Toxicology Bachelor of Science Program Admissions Committee
2013-2019	School of Veterinary Medicine Mentoring Task Force
2013-Present	Carbone Comprehensive Cancer Center Experimental Pathology Advisory Committee
2018	School of Veterinary Medicine Animal Resource Center Veterinary Technician Manager Search Committee
2017	School of Veterinary Medicine Director of Communications and Media Relations Hiring Committee
2017	School of Veterinary Medicine Principal Investigator committee
2017	School of Veterinary Medicine Associate Dean of Research performance review committee
2017	School of Veterinary Medicine Space Committee, 2017
2017-2019	Graduate Program in Clinical Investigation Admissions and Recruiting (Director, 2020-Present)
2016-2018	Comparative Biomedical Sciences Graduate Program Committee
2016-2017	UW-Madison Faculty Senator
2016-2017	Chair, School of Veterinary Medicine Task Force for Digitizing Annual Reviews
2016-2018	School of Veterinary Medicine Academic Planning Committee
2010-2012	
2015	Member, Department of Comparative Biosciences Search Committee Tenure Track Assistant Professor
2015	Department of Comparative Biosciences Task Force on Tenure Promotion Policy
2015	School of Veterinary Medicine Lecture Capture Task Force
2014	School of Veterinary Medicine Vivarium Space Task Force for New Building Feasibility Study
2013	Member, Search committee for School of Veterinary Medicine IT Director
2013	Department of Comparative Biosciences Search Committee Tenure Track Assistant Professor
2012-2014	School of Veterinary Medicine Curriculum Committee
2009-2012	Molecular and Environmental Toxicology Graduate Activity Committee

HONORS AND AWARDS:

2024	Collaborating for the Advancement of Interdisciplinary Research in Benign Urology

	(CAIRIBU) Distinguished Speaker Award
2019	University of Wisconsin Madison Vilas Faculty Mid-Career Investigator Award
2016	Zoetis Award for Veterinary Research Excellence
2014	Manuscript "*In utero* exposure to TCDD alters Wnt signaling during mouse prostate development" voted as the Society of Toxicology Reproductive and Developmental specialty section 4th Best Reproductive/Developmental Toxicology Paper in Toxicological Sciences
2012	Young Investigator (of the year) Award, Society for Basic Urologic Research (SBUR)
2009	Manuscript "Dioxin causes ventral prostate agenesis by disrupting dorsoventral patterning in developing mouse prostate" selected as NIH/NIEHS division of extramural research and training paper of the month
2008	Manuscript "Dioxin causes ventral prostate agenesis by disrupting dorsoventral patterning in developing mouse prostate" selected as finalist for the Society of Toxicology Reproductive and Developmental specialty section Best Reproductive/Developmental Toxicology Paper in *Toxicological Sciences*
2002	Society of Toxicology Colgate Palmolive Award for *In Vitro* Toxicology
2002	Society of Toxicology Student Travel Award
2001, 2003	Buffalo Environmental Sciences Colloquium, Platform Presentation Award
2001	Mark Diamond Research Fund Award
2000	University at Buffalo Pharmacology and Toxicology Student Organization, President
2000	University at Buffalo Environment and Society Graduate Fellow
2000	Society of Toxicology (Lake Ontario Chapter) Poster Award

PROFESSIONAL ACTIVITIES:

Society Membership:

Society of Toxicology (SOT)

Society for Basic Urologic Research (SBUR)

American Physiological Society (APS)

National Service:

2023	Organizer and Host, NIDDK 2023 Kidney, Urology and Hematology (KUH) summer undergraduate Research Symposium, Madison, WI
2018-Present	Abstract Review Team Member (BPH Section), American Urological Association Annual Meeting
2018-2021	Society of Basic Urologic Research (SBUR) Finance Committee Member
2018-2021	Faculty Instructor, Workshop on Techniques in Modeling Human Cancer in Mice, The Jackson Laboratory, Bar Harbor MA
2018-2021	Society of Basic Urologic Research (SBUR) Trainee Affairs Committee Member
2019	External Reviewer for faculty promotion, Tufts University School of Medicine
2018	External reviewer for faculty promotion, Harvard Medical School
2018	Course designer, *Keys to an Outstanding Career Development Plan.* E-education course, module 2 of 4 in the course, "Writing a Successful Career Development Award Application," posted in AUA *University*

2016	Session Chair, Epigenetic Considerations for Bladder Dysfunction & Pain Syndromes, American Urological Association (AUA) Summer Research Conference "Targeting Epigenetics and Genome Regulation to Improve Urologic Health," Lithicum, MD
2016	Program Committee, American Urological Association (AUA) Summer Research Conference "Targeting Epigenetics and Genome Regulation to Improve Urologic Health," Lithicum, MD
2015	Session Chair, Cell-Specific Responses to Comorbidities in BPH. SBUR Fall Symposium, Ft. Lauderdale, FL
2015	Session Chair, Discussion Forum: Emerging Model Systems for Research. SBUR Fall Symposium, Ft. Lauderdale, FL
2015	Session Chair, NIDDK Meeting Establishing the Parameters of Void Spot Assays and Cystometrograms for Data Sharing, Baltimore, MD
2015	Planning committee, Society for Basic Urologic Research Fall Meeting
2008	Session Chair, Developmental Toxicology Poster Session, 47th Annual Meeting of the Society of Toxicology, Seattle, WA

EDITORIAL ACTIVITIES:

Editorial boards:

2014-2020	*American Journal of Physiology – Renal, Editorial Board*
2013-2023	*American Journal of Clinical and Experimental Urology, Editorial Board*

Peer review activities, journals:

American Journal of Physiology	*Histochemica Acta*
Biology	*Life Sciences*
Biology of Reproduction	*Molecular and Cellular Biochemistry*
British Journal of Urology	*PLOS GENETICS*
Cell Biology and Toxicology	*PLOS ONE*
Development	*Proceedings of the National Academy of Sciences USA (PNAS)*
Developmental Biology	*Stem Cells*
Developmental Dynamics	*The Prostate*
Differentiation	*Toxicological Sciences*
	Toxicology and Applied Pharmacology

Grant review activities:

2025	Chair, NIH Study Section ZRG1 EMS-U 80
2019-2022	Chair, NIH/NIDDK DDK-D Subcommittee (Kidney, Urological and Hematological, review of career development awards) (Standing member, 2015-Present)
2016	NIH/NIDDK Special Emphasis Review Panel ZRG1 DKUS-G (90)S
2015-2017	Department of Veterans Affairs Review Panel 10P9B/SURG
2015	NIH/NIDDK Special Emphasis Review Panel ZDK1 GRB-S (O4)
2014	NIH/NIDDK Review Panel UGPP
2014	UW-Madison Institute for Clinical and Translational Research
2014	NIH/NIDDK Special Emphasis Review Panel ZRG1 DKUS-P (80) S
2014	NIH/NIDDK Special Emphasis Review Panel ZDK1 GRB-S (M1)
2012	United Kingdom Medical Research Council (MRC) Molecular & Cellular Medicine Board
2008	U.S. Civilian Research & Development Foundation, Biomedical Research Competition
2002	University at Buffalo Mark Diamond Research Fund

INVITED SEMINAR PRESENTATIONS:

Local:

2025	UW-Madison School of Veterinary Medicine Board of Visitors Meeting, “Charting a new path to detecting and fighting UTIs while navigating an evolving funding environment”
2025	UW-Madison Molecular and Environmental Toxicology and Endocrinology and Reproductive Physiology Graduate Program Combined Seminar Series, “Your Laboratory Budget”
2025	Chesire Cat Comedy Club Words with Nerds ‘Urine the right place to learn how we pee”
2025	UW-Madison postdoc fellowship writing series: training plan. “Keys to an outstanding career development plan”
2025	2025 Pint of Science Festival, Madison WI. “Urine the right place to learn how we pee”
2019	UW-Madison School of Veterinary Medicine Board of Visitors Meeting, “UW-Madison SVM: Leading the way in Urinary Health Research”
2019	UW-Madison Congressional Staff Day, “Wisconsin’s leadership in urinary health research”
2019	UW-Madison School of Pharmacy’s Richard E. Peterson Symposium A fantastic voyage to understanding TCDD toxicity and AHR biology, “Applying Peterson’s Principles to the Prostate Problem”
2019	UW-Madison/UMASS Boston George M. O’Brien Center Symposium on Cellular Functions in Urology, “Tools to identify the cellular source of prostatic collagen
2018	2018, UW-Madison/UMASS Boston George M. O’Brien Center Symposium on Cellular Functions in Urology, “A genetic toolbox to spy on mouse prostate stromal cells in situ”
2017	UW-Madison/UMASS Boston George M. O’Brien Center Symposium on Steroid Hormone Pathways and Mechanisms of Action in Benign Urologic Disease, “Pinpointing cellular origins and physiological consequences of prostate fibrosis”
2016	University of Wisconsin-Madison School of Veterinary Medicine Fall Research Day, “Using molecular scissors to root out and correct bad behaviors in the prostate”
2016	University of Wisconsin-Madison Endocrinology and Reproductive Physiology Annual Symposium “Throwing the whole tackle box at the prostate problem” (Keynote Speaker)
2016	UW-Madison/UMASS Boston George M. O’Brien Center Symposium on environmental impact on urologic health and disease. Madison, WI. “Impact of AHR signaling on

benign urinary function"

2016 University of Wisconsin-Madison Graduate School. "Tenure, A success story," New Faculty Workshop Series session"

2015 University of Wisconsin-Madison Waisman Center, "*In situ* hybridization for mechanisms-based research"

2015 "University of Wisconsin-Madison Comprehensive Cancer Center Cell Signaling Scientific Program External Program Review. "In Situ Hybridization"

2014 University of Wisconsin-Madison Institute for Discovery, Wisconsin Festival of Ideas. "An udder, a bladder, and a hedgehog: connecting the dots to solve a very Wisconsin problem"

2014 University of Wisconsin-Madison School of Veterinary Medicine. "Prostate Research in the Vezina Lab: Past, Present, and Future,"

2013 University of Wisconsin-Madison Prostate Research Group Seminar Series. "Beta-catenin patterns prostate cell differentiation and ductal morphogenesis"

2010 University of Wisconsin-Madison Endocrinology & Reproductive Physiology Graduate Program. "The Role of WNT Signaling in Prostate Development"

2010 University of Wisconsin-Madison School of Veterinary Medicine SVM Professional Development Seminar Series, "My (tenure-track) Faculty Job: The first 100 days"

2009 University of Wisconsin-Madison Molecular and Environmental Toxicology Center. METC Seminar & Colloquia Series, "TCDD Impairs Mouse Prostate Development by Inhibiting β-Catenin Signaling in the Fetal Urogenital Sinus"

2008 James C. Wright Middle School, Madison, WI. "What it is Like to Be a Scientist"

2008 University of Wisconsin Pharmaceutical Sciences division, School of Pharmacy, Madison, WI, Pharmaceutical Sciences Seminar Series, "AHR Signaling in Prostate Development"

2008 University of Wisconsin Molecular and Environmental Toxicology Center, Madison, WI, NIEHS Training Grant Symposium, "How I've Guided My Post-Doc for a Career in Academia"

National:

2026 "Serotonin's Role in Urethral Defense: Physiologic Mechanisms and Clinical Implications," 6th Clinical and Scientific Advances in UTI (UTI Global Alliance), Nashville, TN.

2026 "How to write specific aims for a grant proposal," CAIRIBU Advancing the Research Capacity of Trainees and Investigators at Early-Career Stages (ARCTICS) community forum, virtual.

2025 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Madison, WI "Nature responds: serotonin signaling in urethral defense and dysfunction"

2025 "A urethral defense against urinary pathogens," Society for Urodynamics and Female Urology (SUFU) Winter Meeting, Rancho Mirage, CA

2024 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Milwaukee, WI, "A Cellular Origin of Prostate Fibrosis"

2024 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting Trainees Forum, Milwaukee, WI, "You got the grant, now what? Setting up and executing your research"

2024 UW-Madison/UMASS Boston George M. O'Brien Center Symposium on age associated changes in the lower urinary tract. Madison, WI. "The urethral defense against pathogens – does it deteriorate with age?"

2024 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Advancing the Research Capacity of Trainees and Investigators at early-

Career Stages (ARTICS) forum, online webinar, “Fundamentals of laboratory management”

2023 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Kansas City, KS, “The urethral defense against ascending invaders”

2023 The Mayo Clinic of Rochester Nephrology Summer Undergraduate Research Program, Rochester, MN, “A staring role for the urethra in response to ascending *E. coli* infection”

2023 Columbia University George M. O’Brien Center Annual Symposium, “A staring role for the urethra in response to ascending *E. coli* infection”

2022 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Tracing the cell lineage responsible for prostate fibrosis.

2022 The University of Illinois Urbana Champaign Toxicology Graduate Program Seminar Series ‘An environmental basis for benign prostatic disease’

2022 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Advancing the Research Capacity of Trainees and Investigators at Early Career Stages (ARCTICS) Community Forum, “How to write an Effective CV and Biosketch”, Panelist

2022 The Mayo Clinic of Rochester Nephrology Summer Undergraduate Research Program, Rochester, MN, “The lower urinary tract needs creative problem solvers”

2022 NIH/NIDDK BPH and Male LUTS: Intersection between Pathology and Disease, “Linking Prostate Development to BPH / LUTD”

2021 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, virtual, “Beyond alpha blockers and 5ARIs: Leveraging mice to develop the next generation of therapies for benign prostatic disease”

2021 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Trainees Meeting, virtual, “Maximizing opportunity: The Scientific Pitch”

2021 NIH/NIDDK GUDMAP Jamboree, “Defining Prostate Composition and Cell Lineages”

2021 NIH/NIDDK Advancing the Research Capacity of Trainees and Investigators at Early Career Stages (ARCTICS) forum, “Running down the dream”

2021 The Mayo Clinic of Rochester Nephrology Summer Undergraduate Research Program, Rochester, MN, “A Surprisingly Early Start for An Aging-Related Urologic Disease”

2021 Washington University, St. Louis, MO, The 3rd Annual CRepHS Symposium, virtual, “A Surprisingly Early Start for An Aging-Related Disease”

2020 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU), virtual, “Segregating urinary phenome responses to microbes and other factors – new opportunities”

2020 Society of Basic Urologic Research (SBUR) Fall Meeting, virtual. “Mouse Models of Prostatic Collagen Accumulation”

2020 Department of Pharmacology and Toxicology, Buffalo, NY, “Urinary health in aging men: New mechanisms and opportunities” (cancelled due to COVID).

2020 The Mayo Clinic of Rochester Nephrology Summer Undergraduate Research Program, Rochester, MN, “In search of superheros to address lower urinary tract dysfunction”

2019 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU), Kansas City, MO, “Overview of Cell Types in the Prostate”

2019 The Mayo Clinic of Rochester Nephrology Summer Undergraduate Research Program, Rochester, MN, “Benign prostate disease: what it is and why you should care”

2019 The University of Pittsburgh O'Brien Benign Urology Research Symposium, Pittsburgh, PA, “To Protect and Serve: a new paradigm for an old prostate cell”

2019 The American Urological Society Basic Sciences Research Day: Social (and Antisocial) Cell Signaling Networks in the Urinary Tract, Chicago, IL, “Cell Types of Development, Homeostasis, and Disease in the Urogenital Tract”

2019 University of Florida Department of Physiological Sciences, Gainsville, FL, “The mouse

as a preclinical model for urology: mechanisms of prostate- and lower urinary tract-symptoms (LUTS)"

2018 Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU), Ellicott City, MD, "Chasing down the cellular origin of prostatic collagen production"

2018 The Mayo Clinic of Rochester Department of Urology Grand Rounds, Rochester, MN, "Using the mouse as a preclinical model for Urology: mechanisms of prostate- and lower urinary tract symptoms (LUTS)"

2018 Society for Basic Urologic Research (SBUR) Fall Symposium Trainee Workshop, Palm Springs, CA, "Formulating a career development plan to maximize training productivity"

2018 Jackson Laboratories Workshop on Techniques in Modeling Human Cancer in Mice, Bar Harbor, ME, "Prostate Cancer: Clinical Problems, Research Resources and Opportunities"

2018 UMASS-Boston, Boston, MA, "Connecting Cellular Behaviors to Prostatic Disease"

2018 The Mayo Clinic of Rochester Nephrology Summer Undergraduate Research Program, Rochester, MN, "Benign prostate disease: what it is and why you should care"

2017 American Society for Investigative Pathology/American College of Veterinary Pathologists Symposium at the Experimental Biology Annual Meeting, "Linking DNA methylation to androgen signaling and prostate proliferative growth"

2017 Columbia University, Dept. Urology Grand Rounds, New York, NY. "Urinary complications of benign prostatic disease: impact of fetal and neonatal environment," April 2017

2016 NIH/NIDDK O'Brien Urology Director's Meeting, Pacific Grove, CA, "Beta-catenin and urinary function"

2016 American Urological Association (AUA) Summer Research Conference, Lithicum, MD. "DNA methylation and prostate and lower urinary tract development." July 2016

2016 NIH/NIDDK O'Brien Urology Centers EEP Meeting, Bethesda, MD "Beta-catenin and urinary function"

2016 Harvard University / Boston Children's Hospital, Boston, MA. "The aryl hydrocarbon receptor pathway: a conduit for environmental impact on prostate development and urinary function"

2015 Cold Spring Harbor Laboratories, Mouse Development, Stem Cells & Cancer Course, Cold Spring Harbor, NY. "The developing prostate: a window to understanding a costly benign disease"

2015 Society for Basic Urologic Research (SBUR) Fall Symposium, Ft. Lauderdale, FL. "The influence of intermittent hypoxia and diabetes on lower urinary tract function"

2015 Columbia University, Symposium on the genetic origins and complications of urinary tract abnormalities, New York, NY. "A role for DNA methylation in prostate development and urinary function"

2015 NIH/NIDDK Urology Developmental Centers Meeting, Madison, WI. "Roles of beta-catenin in urinary dysfunction"

2015 NIH/NIDDK O'Brien Urology Centers EEP Meeting, Bethesda, MD, "Beta-catenin and urinary function"

2015 University of Chicago, Chicago IL. "Mapping the Developing Mouse Prostate to Reveal New Ductal Growth Mechanisms: A Focus on DNA Methylation"

2014 NIH/NIDDK Urology Developmental Centers Meeting, Pacific Grove, CA. "Developmental Mapping of the Prostate"

2014 Vanderbilt Center for Benign Urologic Diseases, Nashville, TN. "Emerging players in urinary dysfunction: epigenetics and sleep apnea"

2013 Society for Basic Urologic Research (SBUR) Spring Meeting, San Diego, CA. "Use of the Developing Prostate and Gene Expression Pattern Matching to Identify Prostate Proliferative Mechanisms"

2013 NIH/NIDDK Urologic Complications of Diabetes Meeting: Developing a Basic Research Agenda, Bethesda, MD. "The GUDMAP Database: a Resource for Urologic Research"

2012 University of Michigan P20 Urology Planning Center Seminar, Ann Arbor, MI. "From Candidate Genes to Molecular Mechanism: the GUDMAP Database as a Tool for Prostate Research"

2011 NIH/NIDDK Director's Meeting, Ellicott City, MD. "Leveraging the GUDMAP Database for Prostate Development and Disease Research"

2010 University of Wisconsin-La Crosse Institute for Bimolecular Sciences, La Crosse, WI. Biology Seminar Series, "The Developing Mouse Prostate: A Model for Understanding Prostate Disease"

2009 American Urological Association National Meeting, Chicago, IL, AUA Research Forum Showcase for Young Investigators, ""The Role of Beta-Catenin in Invasive Growth during Prostate Development"

2009 Biology Department, St. Olaf College, Northfield, MN, Biology Seminar Series, "Prostate Developmental Biology: A Model for Understanding Prostate Disease"

2009 Department of Pharmacology and Toxicology, University at Buffalo, Buffalo, NY. Pharmacology and Toxicology Seminar Series, "AHR Signaling in Prostate Development"

International:

2009 Horiba International Conference/ CDBIM Symposium, 21st Century Advances in the Molecular Toxicology of Environmental Chemicals and Pathogenesis of Disease, Tokyo, Japan, "Disruption of prostatic bud formation by TCDD is mediated by down-regulation of β-catenin signaling"

PUBLICATIONS:

Complete List of Published Work:
http://www.ncbi.nlm.nih.gov/myncbi/chad.vezina.1/bibliography/40440207/public/?sort=date&direction=ascending

Refereed Papers:

126. 2025. Maier J, Heye E, Ridlon M, Ambrogi M, Strand DW, Keil-Stietz KP, Vezina CM. Peripheral serotonin contributes to testosterone and estradiol induced urinary voiding dysfunction in adult male mice. Amer J Clin Exp Urol. 14: 34–44. PMCID: PMC13003246.
125. 2026. Scharpf BR, Sandhu J, Ruetten H, Park H, Manuel R, Fox O, Turco AE, Nair SS, Heye E, Ambrogi M, Chandrashekar S, Pidikiti A, Rundquist A, Steers NJ, Arendt L, Suresh M, Strand DW, Vezina CM. Macrophages and TGFB signaling regulate fibrosis in the E. coli-infected mouse prostate. Amer J Physiol Renal. 330: F118-F127. PMCID: PMC12746299.
124. 2025. Scharpf BR and Vezina CM. Mechanisms of Prostatic Inflammation-mediated Male Lower Urinary Tract Symptoms. Amer J Clin Exp Urol. 13: 360-376. PMCID: PMC12816821.
123. 2025. Jasmine MS, Rodrigues R, Mandal A, Kavya TT, Anushree A, Lafin JT, Vezina CM, Strand DW, Joseph DB. Single cell map of the adult female mouse urethra reveals epithelial and stromal macrophages with distinct functional identities. Mucosal Immunol. 18: 1325-1340. PMCID: PMC7618168.
122. 2025. Börner K et al. Human BioMolecular Atlas Program (HuBMAP): 3D Human Reference Atlas Construction and Usage. Nature Methods. 22: 845–860. PMCID: PMC11978508
121. 2025. Ambrogi M, Racine J, Vezina CM. Effects of SSRIs and Ondansetron on Urinary Tract Infections in Pregnancy. Reprod Sci. 32(4):1155-1165. PMCID: PMC11981869

120. 2025. Ambrogi M, Hernandez LL, Strand DW, Kumar S, Romero MF, Barasch J, Ridlon M, Keil Stietz KP, Vezina CM. A 5-HT-mediated Urethral Defense Against Urinary Tract Infections. Proc Natl Acad Sci USA. 122(16):e2409754122. PMCID: PMC12037003.
119. 2025. Scharpf BR, Sandhu J, Ruetten H, Wagner KA, Chandrashekar S, Fox O, Turco AE, Cole C, Arendt LM, Strand DW, Vezina CM. Prostatic *E. coli* infection drives CCR2-dependent recruitment of fibrocytes and collagen production. Dis Models Mech. 18(1):DMM052012. PMCID: PMC11789281
118. 2024. Manuel RSJ, Rundquist A, Ambrogi M, Scharpf B, Peterson NT, Sandhu JK, Chandrashekar C, Ridlon M, Keil Stietz KP, Peterson RE, Vezina CM. The Aryl Hydrocarbon Receptor Agonist ITE Reduces Inflammation and Urinary Dysfunction in a Mouse Model of Autoimmune Prostatitis. Amer J Clin Exp Urol. 12: 149-161. PMCID: PMC11411176.
117. 2024. Popovics P, Silver SV, Uchtmann KS, Arendt LM, Vezina CM, Ricke WA. CCR2+ monocytes/macrophages drive steroid hormone imbalance-related prostatic fibrosis. Sci Reports 14:15736. PMCID: PMCID: PMC11231243
116. 2024. Ambrogi M and Vezina CM. Roles of Airway and Intestinal Epithelia in Responding to Pathogens and Maintaining Tissue Homeostasis. Front Immunol. 14:1346087. PMCID: PMC11082347.
115. 2023. Manuel SJ, Vezina CM. Trends in Experimental Autoimmune Prostatitis: Insights into Pathogenesis, Therapeutic Strategies, and Redefinition. Amer J Clin Exp Urol. 12:52-63. PMCID: PMC11087208.
114. 2023. Ulschmid C, Sun M, Jabbarpour C, Steward A, Rivera-Gonzalez K, Cao J, Martin A, Barnes M, Wicklund L, Madrid A, Papale LA, Joseph D, Vezina CM, Alisch R, Lipinski RJ. Disruption of DNA methylation-mediated cranial neural crest proliferation and differentiation causes orofacial clefts in mice. Proc Natl Acad Sci USA. 121: e2317668121. PMCID: PMC10801837
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7. 2005. Doles JD, Vezina CM, Lipinski RJ, Peterson RE, Bushman W Comparative analysis of growth, morphogenesis, and differentiation during prostate development in vivo, in renal grafts, and in vitro. Prostate 65: 390-3999.
6. 2005. Crane JK, Vezina CM Externalization of Host Cell Protein Kinase C during Enteropathogenic Escherichia coli Infection. Cell Death and Differ 12: 115-127.
5. 2004. Vezina CM, Walker NJ, Olson JR. Subchronic Exposure to TCDD, PeCDF, PCB126, and PCB153: Effect on Hepatic Gene Expression. Environ Health Perspect 112:1636-1644.
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Book Chapters:

6. 2026. Joseph, D. and Vezina, C.Male Reproductive Tract: Development Overview. In: Skinner, Michael K. (ed.) *Encyclopedia of Reproduction, 3e,* vol. 1, pp. 343–352. US: Elsevier. http://dx.doi.org/10.1016/B978-0-443-21477-6.00454-5
5. 2026. Vezina CM and Strand, DW. Anatomy and Development of Prostate. In: Campbell-Walsh-Wein Urology, 13th Edition. Vol 3, pp. 3172-3179. Amsterdam, NL: Elsevier.
4. 2022. Ruetten H, Vezina CM. Relevance of dog as an animal model for urologic diseases. In: Progress in Molecular Biology and Translational Science: “Large Animals as Models for Human Diseases. Elsevier, Amsterdam, NL.
3. 2022. Turco AE, Vezina CM. Effect of androgens and estrogens on bladder function/ LUTS. In: Verstegen, Hannake, Editor. Neuro-Urology Research: A Comprehensive Overview. Elsevier, Amsterdam, NL.
2. 2018. Binoy Joseph D, Vezina CM. Male Reproductive Tract: Development Overview. In: Skinner M editor. Encyclopedia of Reproduction, 2nd Edition. Elsevier, Amsterdam, NL.
1. 2011. Grishina IB, Makarenkova H, Vezina CM. BMP signaling in morphogenesis of the lower urethra. In: Nohe, A editor. Bone Morphogenetic Proteins: New Research. Hauppauge: Nova Biomedical. Open Access at: https://www.novapublishers.com/catalog/product_info.php?products_id=36829

Conference Proceedings and Abstracts:

166. 2025. Zhu O, Nair S, Vezina CM. The phosphodiesterase-5 inhibitor tadalafil blocks serotonin-mediated contractions in male mouse urethra. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Madison, WI.
165. 2025. Rundquist A, Comer S, Zhu O, Hadjifrangiskou M, Vezina CM. Ascending UTIs: how uropathogenic e. coli uses chemotaxis to colonize the bladder. Collaborating for the

Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Madison, WI.

164. 2025. Nair S, Zhu O, Vezina CM. Serotonin-induced contractions of the male mouse urethra are alpha blocker insensitive. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Madison, WI.
163. 2025. Heye E, Nair S, Vezina CM. Evaluating the role of pro-inflammatory agents in male urethral serotonin secretion. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Madison, WI.
162. 2025. Ambrogi M, Hernandez LL, Garvey T, Reiels S, Finup J, Bhatia V, Ebert K, Cannon S, Vezina CM, Farhat W. Serotonin signaling in urinary tract infection: insights from mouse models and children with bladder bowel dysfunction. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Madison, WI.
161. 2024. Pidikiti A, Vezina CM. Immunohistochemical detection of serotonin producing neuroendocrine cells and serotonin responding interstitial cells of cajal in the adult male mouse and human urethra. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Milwaukee, WI.
160. 2024. Rundquist AL, Ambrogi M, Nair SS, Vezina CM. Ex vivo model for measuring mouse urethral peristalsis. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Milwaukee, WI.
159. 2022. Scharpf BR, Sandhu J, Chandrashekar S, Strand DW, Vezina CM. Identification and Mechanism of the Collagen Producing Cell in the Development of Lower Urinary Tract Dysfunction. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Bethesda, MD.
158. 2022. Silver SV, Skalitzky KO, Vezina CM. Ricke WA, Popovics P. Macrophage differentiation in the prostate in a mouse model of steroid hormone imbalance. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Bethesda, MD.
157. 2022. Richmond E, Sokovich C, Huang W, Vezina CM, Grimes MD. Urethral lichen sclerosus tissue displays a loss of basal epithelial markers. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Bethesda, MD.
156. 2022. Peterson NT, Ambrogi M, Graf P, Manuel RS, Peterson RE, Vezina CM. SlincR: A New Modulator For Inflammation In The Reproductive Tract. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Bethesda, MD.
155. 2022. Sandhu J, Chandrashekar S, Ruetten H, Scharpf B, Fox O, Vezina CM. Identification of collagen producing cell lineages in the inflamed mouse prostate. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Bethesda, MD.
154. 2022. Sandhu S, Ambrogi M, Wehner L, Romero MJ, Vezina CM. The Response of Prostatic and Urethral Neuroendocrine cells to Prostatic Inflammation. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Bethesda, MD.
153. 2022. Manuel RSJ, Scharpf B, Chandrashekar BS, Kennedy C, Ridlon M, Fox O, Vezina CM. Testing aryl hydrocarbon receptor (AhR) modulation via 2-(1H-Indol-3-ylcarbonyl)-4-Thiazolecarbosylic acid methyl ester (ITE) as a treatment for antigen-induced Experimental autoimmune prostatitis in mice. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Bethesda, MD.
152. 2022. Ambrogi M, Bandera P, Sandhu S, Holmes HL, Mishra J, Hernandez L, Kumar S, Romero MF, Vezina CM. The role of Urethral Neuroendocrine cells in Urinary Tract Infection. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting, Bethesda, MD.
151. 2021. Sandhu J, Ruetten H, Scharpf B, Chandrashekar S, Vezina C. Identification of collagen producing cell lineages in the inflamed mouse prostate. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.

150. 2021. Chathurvedula T, Popovics P, Garvey D, Uchtmann KS, Ricke EA, Peterson RE, Vezina CM, Ricke WA. Dissecting the role of epithelial vs stromal estrogen receptor alpha in lower urinary tract dysfunction. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
149. 2021. Peterson NT, Turco AE, Scharpf BR. A new mechanism linking in utero environmental chemical exposure to prostatic innervation and urinary voiding dysfunction. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
148. 2021. Schroeder E, Skalitzky KO, Vezina CM, Ricke WA, Popovics P. Steroid hormone imbalance stimulates osteopontin expression and inflammation in the mouse prostate. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
147. 2021. Mora EM, Vezina C, Huang W, Grimes MD. Collagen content is increased in lichen sclerosus. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
146. 2021. Grimes MD, Walczak B, Vezina C, Bushman W, Huang W. CD44 expression is decreased in lichen sclerosus. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
145. 2021. Ambrogi M, Bandera P, Sheftel CM, Holmes HL, Mishra J, Hernandez LL, Kumar S, Romero MF, Vezina CM. The role of urethral neuroendocrine cells in urinary tract infection. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
144. 2021. Skalitzky K, Schroeder E, Vezina CM, Ricke WA, Popovics P. Loss of osteopontin function attenuates immune cell infiltration and collagen accumulation in a steroid hormone-induced lower urinary tract dysfunction model. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
143. 2021. Sandhu JK, Ruetten H, Scharpf B, Vezina CM. Identification of Collagen Producing Cell Lineages in the Inflamed Prostate. Duke Multidisciplinary Benign Urology Research Symposium, April 29-30 (virtual).
142. 2021. Scharpf BR, Ruetten HM, Fox OR, Strand DW, Vezina CM. The role of CTGF in the development of lower urinary tract dysfunction (LUTD). Duke Multidisciplinary Benign Urology Research Symposium, April 29-30 (virtual).
141. 2021. Popovics P, Jain A, SKalitzky KO, Schroeder E, Ruetten H, Cadena M, Vezina CM, Ricke R. Loss of osteopontin leads to the resolution of *E. coli*-induced prostatic inflammation and fibrosis. Duke Multidisciplinary Benign Urology Research Symposium, April 29-30 (virtual).
140. 2021. Popovics P, Jain A, Van F, Ruetten H, Cadena M, Uchtmann KS, Vezina CM, Ricke WA. Loss of Osteopontin Leads to the Resolution of E. coli-induced Prostatic Inflammation and Fibrosis. American Urological Association Annual Meeting, Las Vegas, NV
139. 2020. Ulschmid C, MR Sun, AC Steward, K Rivera-Gonzalez, AA Martin, M Barnes, L Wicklund, D Josesph, CM Vezina, RJ Lipinski. DNA methyltransferase disruption in the cranial neural crest causes cleft lip and palate in the mouse. 79th Annual Society for Developmental Biology Annual Meeting (virtual).
138. 2020. Grimes MD, Vezina CM, Huang W. Decreased CD44 expression is associated with increased hyalurionic acid abundance in human lichen sclerosus. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
137. 2020. Anaam D, Holmes HL, Gregory AV, Thao K, Stiller A, Romero PZ, Vezina C, Harris PC, Kline TL, Romero MF. Pathobiology of cyst progression in *Nbce1A* and *Pkd1(RC/RC)* mouse models American Society of Nephrology Annual Meeting.
136. 2020. Joseph DB, Henry GH, Malewska A, Wegner KA, Macuk R, Gahan J, Hutchinson R, Roehrborn C, Vezina CM, Strand DW. "Identification of Cognate Proximal Cell Types of the

Mouse and Human Prostate and their Enrichment in Human Benign Prostatic Hyperplasia." American Urological Association Annual Meeting.

135. 2020. Popovics P, Awadallah WN, Kohrt SE, Case TC, Miller NL, Ricke EA, Huang W, Ramirz-Solano M, Liu Q, Vezina CM, Matusik RJ, Ricke WA, Grabowska MM (2019). "Prostatic osteopontin expression is associated with symptomatic benign prostatic hyperplasia" Duke University School of Medicine Multidisciplinary Benign Urology Research Day 2020, Virtual Meeting, April 24.
134. 2020. Garvey DR, Uchtmann KS, Peterson RE, Vezina CM, Ricke WA (2020). "Stromal Estrogen Receptor-alpha is Involved in the Development of Lower Urinary Tract Dysfunction." Duke University School of Medicine Multidisciplinary Benign Urology Research Day 2020, Virtual Meeting, April 24.
133. 2020. Ruetten HM, Cole C, Wehber M, Wegner K, Girardi N, Peterson NT, Scharpf B, Romero M, Wood M, Colopy S, Bjorling D, Vezina C. An immunohistochemical prostate cell identification key indicates that aging shifts procollagen 1A1 production from myofibroblasts to fibroblasts in dogs prone to prostate-related urinary dysfunction (Poster Presentation). Veterinary Summer Scholars Symposium.
132. 2020. Ruetten HM, Cole C, Wehber M, Wegner K, Girardi N, Peterson NT, Scharpf B, Romero M, Wood M, Colopy S, Bjorling D, Vezina C. An immunohistochemical prostate cell identification key indicates that aging shifts procollagen 1A1 production from myofibroblasts to fibroblasts in dogs prone to prostate-related urinary dysfunction (1-min Flash Talk). Duke KURe Multidisciplinary Benign Urology Virtual Research Day (Virtual).
131. 2020. Ruetten H, Henry G, Strand D, Vezina C. A Phenome-Based Approach for Characterizing Mouse Urinary Pathophysiologies. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting Virtual.
130. 2020. Turco AE, Oakes SR, Keil-Stietz K, Chathurvedula T, Girardi N, Schneider AJ, Gawdzik J, Sheftel C, Wang P, Wang Z, Bjorling DE, Ricke WA, Tang W, Hernandez L, KEast JR, Bonev A, Tykocki N, Tanguay RL, Peterson RE, Vezina CM. A neuroanatomical mechanism linking perinatal chemical exposure to prostate smooth muscle hyperactivity and altered voiding function. Society for Basic Urologic Research Annual Meeting (Virtual).
129. 2020. Turco AE, Oakes SR, Popovics P, Rogers A, Sheftel C, Cadena M, Peterson RE, Hernandez L, Hacker T, Bjorling DE, Bonev A, Tykocki N, Vezina CM. Testosterone and estradiol mediate male voiding dysfunction by reducing prostatic smooth muscle Ppp112b abundance and impairing muscle. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Annual Meeting (Virtual).
128. 2020. Turco AE, Oakes SR, Chaturevedula T, Keil KP, Girard N, Hernandez HH, Peterson RE, Bonev A, Tykocki N, Vezina CM. IUL TCDD increases noradrenergic axon density and nerve-evoked smooth muscle contraction in mouse prostate. The 59th Annual Meeting of the Society of Toxicology, Anaheim, CA.
127. 2019. Turco AE, Wegner KA, Rogers A, Peterson RO, Ricke WA, Hacker T, Vezina CM. *In utero* and lactational (IUL) TCDD exposure impedes urethral urinary flow in male mice. The 58th Annual Meeting of the Society of Toxicology, Baltimore, MD.
126. 2019. Zwaans BMM, Wegner KA, Bartolone SN, Chancelor MB, Vezina CM, Lamb LE. Radiation cystitis modeling: a comparative study of bladder radiation-induced fibrosis in different mouse strains. American Urological Association annual meeting, Chicago, IL.
125. 2019. Zwaans BMM, Wegner KA, Bartolone SN, Chancelor MB, Vezina CM, Lamb LE. Radiation Cystitis Modeling: a Comparative Study of Bladder Radiation-Induced Fibrosis in Different Mouse Strains. Experimental Biology, Orlando FL.
124. 2019. Romero PZ, Holmes HL, Cadena M, Gibbons SJ, Farrugia G, Vezina CM, Romero MF. NBCe1 in the Kidney and Lower Urogenital Tract. Experimental Biology, Orlando FL.
123. 2019. Henry GH, Malewska A, Joseph DB, VEnkat SM, Lee J, Torrealba J, Mauck RJ, Gahan JC, Raj GV, Roehrborn CG, Hon GC, MacComara MP, Reese JC, Hutchinson RC, Vezina CM, Strand DW. A cellular anatomy of the normal adult human prostate and prostatic urethra.

American Urological Association Annual Meeting, Chicago IL.

122. 2019. Kothandapani A, Lewis R, Muszynski JL, Krellwitz K, Zacharski A, Wegner K, Vezina CM, Kaftanovskaya EM, Aguilnik A, Jorgensen JS. Prenatal DHT administration alters collagen organization in the cranial suspensory ligaments in embryonic Gli3XtJ mutant male mice. American Society of Andrology Testes workshop, Chicago, IL.
121. 2019. Ruetten H, Wehber M, Cole C, Cadena M, Wegner KA, Romero MF, Wood MW, Colopy SA, Bjorling DE, Vezina CM. Fibroblasts accumulate and produce collagen in dogs prone to prostate related urinary dysfunction. Society for Basic Urologic Research Fall Symposium, New Orleans, LA.
120. 2019. Ruetten H, Cole C, Wehber M, Sandhu S, Oakes SR, Waller K, Vezina CM, Viviano K. A Retrospective Medical Record Review of Benign Prostatic Hyperplasia in a Well-Defined Population of Client-Owned Dogs: Clinical Presentation, Prevalence of Concurrent Bacterial Infection, and Response to Treatment. Society for Basic Urologic Research Fall Symposium, New Orleans, LA.
119. 2019. Cadena M, Zhu K, Wang P, Underriner C, Tykocki N, Shen T, Barasch J, Romero M, Vezina CM. Prostate Neuroendocrine Cell Serotonin Aids to Prevent Microbial Infection. Society for Basic Urologic Research Fall Symposium, New Orleans, LA.
118. 2019. Turco AE, Oakes SR, Rodgers A, Underriner C, Cadena M, Peterson RE, Hernandez LL, Haker T, Tykocki N, Vezina CM. Exogenous testosterone and estradiol prolong prostate smooth muscle relaxation via downregulation of MYPT2: a novel utility for genetically encoded calcium receptors. Society for Basic Urologic Research Fall Symposium, New Orleans, LA.
117. 2019. Joseph DB, Hernry G, Malewska A, Wegner K, Roehrborn C, Reese J, Hutchinson R, Vezina CM, Strand D. Identification of cognate proximal cell types of the mouse and human prostate and their enrichment in human Benign Prostatic Hyperplasia. Society for Basic Urologic Research Fall Symposium, New Orleans, LA.
116. 2019. Zwaans BMM, Wegner KA, Bartolone SN, Vezina CM, Chancellor MB, Lamb LE. Radiation cystitis modeling: a comparative study of radiation induced bladder fibrosis in different mouse strains. Society for Basic Urologic Research Fall Symposium, New Orleans, LA.
115. 2018. Wegner K, Turco A, Wang Peiqing, Bjorling DE, Peterson RE, Vezina CM. In utero and lactational (IUL) TCDD exposure causes lower urinary dysfunction in adult male C57BL/6J. The 57th Annual Meeting of the Society of Toxicology, San Antonio, TX.
114. 2018. Turco AE, Wegner KA, Peterson RE, Keast JR, Vezina CM. In Utero and Lactational (IUL) TCDD Exposure Alters Axon Density in the Developing and Adult Mouse Prostate. The 57th Annual Meeting of the Society of Toxicology, San Antonio, TX.
113. 2018. Ruetten H, Wegner K, Colopy S, Zhang H, Sandu S, Romero M, Vezina C. Impact of age and castration on canine prostate collagen organization. Annual Meeting of the Society of Theriogenology, Milwaukee, WI.
112 2018. Romero PZ, Holmes HL, Cadena M, Vezina CM, Romero MF. Nbce1 in the kidney and lower urogenital tract. NIDDK KUH Summer Undergraduate Research Conference, Boston, MA.
111. 2018. GUDMAP: GenitoUrinary Development Molecular Anatomy Project. Cohn MJ, Dhir R, Kesselman C, Keast J, Li S, McMahon AP, Mendelsohn C, Southard-Smith M, Strand D, Vezina CM. International Model Genome Conference, Rio Mar, Puerto Rico.
110. 2018. Ruetten H, Zhang HL, Wegner KA, Wang P, Wang Z, Bjorling DE, Ricke WA, Marker PC, Vezina CM. American College of Veterinary Pathology Annual Meeting, Washington, DC.
109. 2018. Ruetten H, Zhang HL, Wegner KA, Wang P, Wang Z, Bjorling DE, Ricke WA, Marker PC, Vezina CM. Society for Basic Urologic Research Fall Symposium, Rancho Mirage, CA.
108. 2018. Unterberger CJ, Wegner KA, Malinowski RL, Vezina CM, Swanson SM, Marker PC. Society for Basic Urologic Research Fall Symposium, Rancho Mirage, CA.
107. 2018. Wegner KA, Guo J, McMahon JA, McMahon AP, Vezina CM. Characterization of *Srd5a2*^{creErt2} Expression in the Mouse Prostate: A Potential Source of Stromal Progenitors. Society for Basic Urologic Research Fall Symposium, Rancho Mirage, CA.
106. 2018. Joseph DB, Chandrashekar AS, Abler LL, Chu L-F, Thomson JA, Vezina CM. Epithelial

Dnmt1 regulates prostate bud formation and differentiation by maintaining survival of early prostate progenitors. Society for Basic Urologic Research Fall Symposium, Rancho Mirage, CA.

105. 2018. Sandhu S, Joseph DB, Strand DW, Vezina CM. Immunohistochemical comparison of novel epithelial and stromal cell types in the Human and Mouse prostate. Society for Basic Urologic Research Fall Symposium, Rancho Mirage, CA.
104. 2018. Cadena MT, Turco AE, Romero PZ, Holmes HL, Romero MF, Tykocki N, Vezina CM. Mouse prostatic neuroendocrine cells mediate smooth muscle contraction. Society for Basic Urologic Research Fall Symposium, Rancho Mirage, CA.
103. 2018. Romero PZ, Holmes HL, Cadena M, Gibbons SJ, Farrugia G, Vezina CM, Romero MF. NBCe1 in the Kidney and Lower Urogenital Tract. American Society of Nephrology Kidney Week, San Diego, CA.
102. 2018. O'Driscoll CA, Wegner KA, Ruetten HM, Abler LL, Oakes SR, Bjorling DE, Ricke WA, MAcoska J, Marker PC, Vezina CM. Exogenous Hormone Exposure: A potential platform for testing interventional therapies for lower urinary tract dysfunction in male mice. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting, Ellicott City, MD.
101. 2018. Romero PZ, Holmes HL, Cadena M, Vezina CM, Romero MF. NBCe1 in the kidney and lower urogenital tract. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting, Ellicott City, MD.
100. 2018. Ruetten H, Wegner KA, Colopy S, Zhang H, Sandhu S, Romero MF, Vezina CM. Impact of age and castration on canine prostate collagen organization. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting, Ellicott City, MD.
99. 2018. Henry GH, Malewska A, Joseph DB, Malladi VS, Lee J, Torrealba J, Mauck RJ, Gahan JC, Raj GV, Roehrborn CG, Hon GC, MacConmar MP, Reese JC, Hutchinson RC, Vezina CM, Strand DW. Building a comprehensive cellular anatomy of the normal and diseased human prostate. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting, Ellicott City, MD.
98. 2018. Thomas S, Hao L, Greer T, Vezina CM, Bajpai S, Ashok A, Bieberich C, Ricke WA, Li L. The urine proteomes of genetically-induced lower urinary tract dysfunction (LUTD) mice. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting, Ellicott City, MD.
97. 2018. Wegner KA, Guo J, McMAhon JA, McMahon AP, Vezina CM. Charcaterization of Srd5a2creERT2 expression in the mouse prostate: a potential source of stromal progenitors. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting, Ellicott City, MD.
96. 2018. Ruetten H, Zhang HL, Wegner KA, Wang P, Bjorling DE, Ricke WA, Marker PC, Vezina CM. Collaborating for the Advancement of Interdisciplinary Research in Benign Urology (CAIRIBU) Meeting, Ellicott City, MD.
95. 2017. Wynder JL, Nicholson TM, Lamarre N, Waldman A, vom Saal F, Vezina CM, Bjorling DE, Ricke WA. The Environmental Estrogen, Bisphenol-A, Induces Lower Urinary Tract Dysfunction in Adult Male Mice. The 56th Annual Meeting of the Society of Toxicology, Baltimore, MD.
94. 2017. Muszynski JL, Lewis SR, Baines AE, Winske SL, Vezina CM, Kaftanovskaya EM, Agoulnik A, Cohn MJ, Jorgensen JS. Fewer and dysfunctional fetal leydig cells produce less testosterone and cause delayed testis descent and abnormal external genitalia in *Gli3*^{XtJ} mutant mice. The XXIV North American Testes Workshop, Miami, FL.
93. 2017. Weaver S, Vezina CM, Hernandez LL. Fluoxetine and Folic Acid Interact in the Lactating Mammary Gland to Dictate Calcium Homeostasis. Endocrine Society Annual Meeting, Orlando, FL.
92. 2017. Binoy Joseph D, Chandrashekar A, Vezina CM. Using multi-color Confetti reporters to study prostate cell fate. Wisconsin Alumni Research Foundation Discovery Challenge, Madison, WI.

91. 2017. Wegner KA, Guo J, McMahon JA, Maeda N, Wang P, Bjorling DE, Marker PC, McMahon AP, Vezina CM. Pro-fibrotic signaling in prostate stroma increases prostate collagen fiber density and disrupts normal urinary function in male mice. Society for Basic Urologic Research Fall Symposium, Tampa FA.
90. 2017. Binoy Joseph D, Chandrashekar A, Abler LL, Vezina CM. Chandrashekar A, Vezina CM. Endodermal Dnmt1 maintains an endoderm-mesoderm junction in the developing urogenital tract. Society for Basic Urologic Research Fall Symposium, Tampa FL.
89. 2017. Turco AE, Cadena MT, Zhang H, Peterson RE, Keast JR, Vezina CM. A Temporal and Spatial Map of Nerve axons in developing mouse prostate. Society for Basic Urologic Research Fall Symposium, Tampa FA.
88. 2017. Cadena MT, Gottschalk AG, Joseph DB, Southard-Smith M, Vezina CM. Origin and Function of Prostate Neuroendocrine Cells. Society for Basic Urologic Research Fall Symposium, Tampa FL.
87. 2017. Ruetten H, Wegner KA, Joseph DB, Colopy S, Sullivan RA, Vezina CM. Collagen architecture of the canine and murine prostate: the impact of age and androgen deprivation. Society for Basic Urologic Research Fall Symposium, Tampa FL.
86. 2016. University of Wisconsin-Madison, Madison, WI, USA. Weaver SR, Vezina CM, Hernandez LL. Use of Selective Serotonin Reuptake Inhibitors promotes bone resorption during lactation. Endocrine Society Annual Meeting, Boston, MA.
Selected by the Advocacy and Public Outreach Core Committee of the Endocrine Society to receive special media attention in the annual Research Summaries Book (RSB).
85. 2016. Joseph DB, Keil KP, Abler LL, Vezina CM. A map of DNA methyltransferase enzyme expression in the mouse prostate during its development and in response to prostate injury. WARF discovery challenge symposium, Madison, WI.
84. 2016. Joseph DB, Keil KP, Abler LL, Vezina CM. A map of DNA methyltransferase enzyme expression in the mouse prostate during its development and in response to prostate injury. 2nd Annual George M. O'Brien Benign Urology Symposium, the Environmental Impact on Urologic Health and Disease, Madison, WI.
83. 2016. Cadena M, Wegner KA, Bushman W, Ricke WA, Vezina CM. Elucidating Patterns of Smooth Muscle Contractility in Prostatic Urethral Tissue. 2nd Annual George M. O'Brien Benign Urology Symposium, the Environmental Impact on Urologic Health and Disease, Madison, WI.
82. 2016. Oakes SR, Eliceiri K, Abler LL, Wagner KA, Vezina CM. Computer-Based High-Throughput Urinary Function Analysis. 2nd Annual George M. O'Brien Benign Urology Symposium, the Environmental Impact on Urologic Health and Disease, Madison, WI.
81. 2016. Optimization of whole-tissue immunohistochemical staining and fluorescence confocal scanning for 3-D prostatic microenvironmental analysis. Trevena R, Sullivan R, Wegner KA, Vezina CM, Vokoun C, Eliceiri K, Joseph DB. 2nd Annual George M. O'Brien Benign Urology Symposium, the Environmental Impact on Urologic Health and Disease, Madison, WI.
80. 2016. Hao L, Greer T, Zhong X, Page D, Bushman W, Vezina CM, Ricke WA, Marker PC, Bjorling D, Li L. Combining DiLeu isobaric labeling and label-free approaches for metabolite quantification and biomarker discovery of lower urinary tract symptoms. 2nd Annual George M. O'Brien Benign Urology Symposium, the Environmental Impact on Urologic Health and Disease, Madison, WI.
79. 2016. Jeong CH, Vezina CM, Ricke WA. Alterations of DNA methyltransferase in BPH-1 derived prostate cancer progression model cell lines. 2nd Annual George M. O'Brien Benign Urology Symposium, the Environmental Impact on Urologic Health and Disease, Madison, WI.
78. 2016. Lamarre NS, Wynder J, Uchtmann K, Liu T, Wang Z, Vezina CM, Ricke WA, Bjorling DE. 2nd Annual George M. O'Brien Benign Urology Symposium, the Environmental Impact on Urologic Health and Disease, Madison, WI.
77. 2016. Thomas S, Hao L, Greer T, Vezina CM, Bajpal S, Ashok A, Bieberich CJ, Ricke WA, Li L. The urine proteoms of genetically-induced lower urinary tract dysfunction (LUTD) mice. 2nd Annual George M. O'Brien Benign Urology Symposium, the Environmental Impact on Urologic

Health and Disease, Madison, WI.

76. 2016. Oakes SR, Eliceiri K, Abler LL, Wagner KA, Vezina CM. Computer-Based High-Throughput Urinary Function Analysis. Undergraduate Research Symposium, Madison, WI.
75. 2016. Ricke EA, Moore RW, Peterson RE, Vezina CM, Ricke WA. *In utero* and lactational TCDD exposure increases prostatic estrogen receptor alpha and secondary complications associated with bladder outlet obstruction in mice. 36th International Symposium on Halogenated Persistent Organic Pollutants, Firenze, Italy.
74. 2016. Ricke WA, Lee CW, Clapper TR, Schneider AJ, Moore RW, Keil KP, Abler LL, Wynder JL, Wegner KA, Ricke EA, Peterson RE, Vezina CM. Perinatal TCDD Exposure Sensitizes to Lower Urinary Tract Dysfunction in Adult Mice. AHR Conference, Rochester, NY.
73. 2016. Joseph DB, Chandrashekar A, Vezina CM. A folic acid enriched diet changes the prostate response to castration induced androgen deprivation. Targeting epigenetics and genome regulation to improve urologic health. The American Urological Association Headquarters, Linthicum, MD.
72. 2016. Wegner KA, Keil KP, Vezina CM. A mixed genetic background increases mouse susceptibility to hormone-induced urinary dysfunction. Society for Basic Urologic Research Fall Symposium, Scottsdale, AZ.
71. 2016. Oakes SR, Wegner KA, Eliceiri KW, Vezina CM. High throughput computer-based analysis of void spot assay data. Society for Basic Urologic Research Fall Symposium, Scottsdale, AZ.
70. 2016. Trevena R, Sullivan R, Wegner KA, Esquibel CR, Eliceiri KW, Vezina CM. Deep prostate tissue immunohistochemical staining and fluorescent confocal scanning for 3-dimensional microenvironment analyses. Society for Basic Urologic Research Fall Symposium, Scottsdale, AZ.
69. 2016. Cadena M, Joseph D, Abler LL, Vezina CM. A High-Resolution Atlas of Developing and Mature Mouse Prostate Neuroanatomy. High throughput computer-based analyses of void spot assay data. Society for Basic Urologic Research Fall Symposium, Scottsdale, AZ.
68. 2016. Abler LL, Oakes SR, Macoska JA, Bjorling DE, Vezina CM. Toward a standardized protocol for urinary function testing and analysis using the void spot assay. Society for Basic Urologic Research Fall Symposium, Scottsdale, AZ.
67. 2015. Thomas S, Hao L, Greer T, Vezina CM, Bajpai S, Ashok A, Bieberich C, Ricke WA, Li L. The Urine Proteomes of Genetically-Induced Lower Urinary Tract Dysfunction (LUTD) Mice. Society for Basic Urologic Research Fall Symposium, Ft. Lauderdale, FL.
66. 2015. Ricke WA, Lee C, Clapper T, Schneider A, Moore RW, Keil KP, Abler LL, Wynder J, López Alvarado A, Beaubrun I, Vo J, Peterson RE, Vezina CM. Fetal TCDD exposure increases adult male mouse susceptibility to urinary dysfunction. The 54th Annual Meeting of the Society of Toxicology, San Diego, CA.
65. 2015. Hao L, Greer T, Zhong X, Page D, Lee S, Vezina CM, Ricke WA, Parker PC, Bjorling DE, Bushman W, Li L. Combining DiLeu Isobaric Labeling and Label-free Approaches for Metabolite Quantification and Biomarker Discovery of Lower Urinary Tract Symptoms (LUTS). 63rd Annual ASMS Conference on Mass Spectrometry and Allied Topics, St. Louis, MO.
64. 2015. Hao L, Greer T, Vezina CM, Ricke WA, Marker PC, Bjorling DE, Bushman W, Li L. Identification of potential metabolite biomarkers of lower urinary tract symptoms (LUTS) in mouse and human urine. UW-O'Brien Center Spring Symposium.
63. 2015. Wegner K, Vezina CM. Characterization of Stroma in Normal Mouse Prostate/Urethra and Mice with Urethral Obstruction. Society for Basic Urologic Research Fall Symposium, Ft. Lauderdale, FL.
62. 2015 .Jeong CH, Vezina CM, Ricke WA. Alterations of DNA Methyltransferase in BPH-1 Derived Prostate Cancer Progression Model Cell Lines. Society for Basic Urologic Research Fall Symposium, Ft. Lauderdale, FL.
61. 2015. Bauman TM, Vezina CM, Halberg RB, Huang W, Peterson RE, Ricke WA. Expression and Co-localization of Beta-Catenin and Lymphoid Enhancing Factor-1 in Prostate Cancer

Progression. Society for Basic Urologic Research Fall Symposium, Ft. Lauderdale, FL.

60. 2014. Schneider AJ, Moore RW, Branam AM, Mehta V, Keil KK, Vezina CM, Peterson RE. Dioxin blocks initiation of β-catenin signaling in developing mouse prostate. The 53rd Annual Meeting of the Society of Toxicology, Phoenix, AZ.
59. 2014. Keil KP, Abler LL, Mehta V, Altmann H, Laporta J, Hernandez LL, Vezina CM. DNA Methylation Is Required For Mouse Prostate Development. The 53rd Annual Meeting of the Society of Toxicology, Phoenix, AZ.
58. 2014. Greer T, Nechyporenko A, Hao L, Vezina CM, Ricke W, Marker P, Bjorling D, Bushman W, Li L. Identification and Comparison of Protein Candidate Biomarkers from Lower Urinary Tract Symptoms (LUTS) in Mouse Models and Human Patients. 62nd ASMS Conference on Mass Spectrometry and Allied Topics, Baltimore MD.
57. 2014. Hao L, Greer T, Vezina CM, Ricke W, Marker P, Bjorling D, Bushman W, Li L. Identification of potential metabolite biomarkers of lower urinary tract symptoms (LUTS) in mouse and human urines. 62nd ASMS Conference on Mass Spectrometry and Allied Topics, Baltimore MD.
56. 2014. Keil KP, Abler LL, Mehta V, Altmann HM, Laporta J, Hernandez LL, Vezina CM. DNA Methylation Maintains Mouse Prostate Growth and Adult Urinary Function. Midwest Chromatin and Epigenetics Meeting, Madison, WI.
55. 2014. Mulligan WA, Mehta V, Bischel LL, Keil KP, Abler LL, Beebe DJ, Sullivan R, Vezina CM. Beta-catenin (CTNNB1) augments angiogenesis in developing mouse prostate. Society for Basic Urologic Research Fall Symposium, Dallas, TX.
54. 2014. Altmann HM, Keil KP, Abler LL, Vezina CM. Inhibition of Histone Deacetylation Enhances Mouse Prostate Branching Morphogenesis by a BMP Dependent Mechanism. Society for Basic Urologic Research Fall Symposium, Dallas, TX.
53. 2014. Keil KP, Abler LL, Weing Z-Y, Wang P, Bjorling DE, Vezina CM. High Folic Acid Diet Improves Urinary Function in a Mouse Model of Urinary Dysfunction. Society for Basic Urologic Research Fall Symposium, Dallas, TX, November 2014.
52. 2014. Abler LL, Keil KP, Ouellet JN, Wang Z-Y, Wang P, Ricke WA, Bjorling DE, Watters JJ, Vezina CM. Investigating the Effects of Intermittent Hypoxia on Urinary Function in Diabetic Mice. Society for Basic Urologic Research Fall Symposium, Dallas, TX.
51. 2014. Colopy SA, Abler LL, Bjorling DE, Vezina CM, Falsey RM. Spontaneous development of urinary tract infection in a murine model of type II diabetes. Society for Basic Urologic Research Fall Symposium, Dallas, TX.
50. 2013. Branam AM, Davis NM, Moore RW, Schneider AJ, Vezina CM, Peterson RE. RSPOs counteract TCDD inhibition of canonical Wnt signaling during fetal mouse prostate development. The 52nd Annual Meeting of the Society of Toxicology, San Antonio, TX.
49. 2013. Zimmerman RM, Vezina CM, Simpson KW, Sullivan R. Assay development for potential murine pathogens hypothesized to play a role in colitis. Merial-NIH Veterinary Scholars Symposium, East Lansing, MI.
48. 2013. Slentz M, Vezina CM, Becker Samanas N, Shull J, Sullivan R. Testicular morphology and spermatogenesis in ACI compared to BN rats. Merial-NIH Veterinary Scholars Symposium, East Lansing, MI.
47. 2013. Keil KP, Abler LL, Mehta V, Altmann H, Laporta J, Plisch EH, M Suresh, Hernandez LL, Vezina CM. DNA methylation of E-cadherin Primes Epithelium for Prostatic Bud Outgrowth. 10th World Congress on Urologic Research, Nashville, TN.
46. 2013. Abler LL, Keil KP, Mehta V, Crader-Smith S, Wang Z-Y, Bjorling DE, Watters JJ, Vezina CM. Examining the Effects of Intermittent Hypoxia on Urinary Function in Mice. 10th World Congress on Urologic Research, Nashville, TN.
45. 2013. Greer T, Hao L, Nechyporenko A, Vezina CM, Ricke WR, Marker PC, Brorling DE, Bushman W, Li L. Identification of Protein and Metabolite Biomarkers from Prostatic Inflammation and Hormone Obstruction Induced Lower Urinary Tract Symptoms (LUTS) in Two Mouse Models. 10th World Congress on Urologic Research, Nashville, TN.

44. 2012. Moore RW, Keil, KP, Mehta V, Schneider AJ, Branam AM, Vezina CM, Peterson RE. Expression patterns of Wnt signaling pathway components in urogenital sinuses (UGSs) from control and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)-exposed fetal mice. 51st Annual Meeting of the Society of Toxicology, San Francisco, CA.
43. 2012. Schmitz CT, Mehta V, Joshi PJ, Abler LL, Keil KP, Vezina CM. Requirement for beta-catenin in prostatic bud formation. University of Wisconsin-Madison Undergraduate Symposium.
42. 2012. Keil KP, Mehta V, Branam AM, Abler LL, Buresh-Stiemke RA, Joshi PS, Schmitz CT, Marker PC, and Vezina CM. Regulation and function of Wnt inhibitory factor 1 (Wif1) in prostate development. Society for Basic Urologic Research Fall Symposium, Miami, FL.
41. 2012. Mehta M, Schmitz CT, Keil KP, Joshi PS, Abler LL, Lin T-L, Taketo MM, Sun X, Vezina CM. Expression of a beta-catenin (Ctnnb1) gain-of-function allele in mouse urogenital sinus (UGS) epithelium impairs prostatic bud formation. Society for Basic Urologic Research Fall Symposium, Miami, FL.
40. 2012. Abler LL, Keil KP, Mehta V, Sullivan R, Eliceiri KW, Vezina CM. Evidence for involvement of epithelial-2012. mesenchymal transition inducers and requirements for Snai2 in prostate bud formation. Society for Basic Urologic Research Fall Symposium, Miami, FL.
39. 2011. Branam AM, Moore RW, Abler LL, Allgeier SH, Mehta V, Vezina CM, Peterson RE. Wnt inhibitory factor 1 (Wif1) promotes prostatic bud formation and may partially protect against defects in prostate development caused by TCDD exposure. The 50th Annual Meeting of the Society of Toxicology, Washington, DC.
38. 2011. Moore RW, Abler LL, Mehta V, Vezina CM, Peterson RE. Identification of Wnt and Rspo genes whose expression patterns in fetal mouse urogenital sinus (UGS) are altered by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). The 50th Annual Meeting of the Society of Toxicology, Washington, DC.
37. 2011. Joshi PS, Abler LL, Mehta V, Schmidt CT, Keil K, Vezina CM. (2011). A high resolution molecular atlas of the mouse lower urogenital tract. University of Wisconsin-Madison Introductory Biology Undergraduate Symposium, Madison, WI.
36. 2011. Atli MO, Mehta V, Baruah KK, Bender RW, Bastos MR, Guenther JN, Luo W, Vezina CM, Wiltbank MC. Induction and Localization of Five immediate early genes in the bovine corpus luteum (cl) at 30 min after prostaglandin f2 alpha (PGF) treatment. *Reprod Dom Anim* 46: 87. The 15th Annual Conference of the European Society for Domestic Animal Reproduction, Antalya.
35. 2011. Schmitz CT, Mehta V, Abler LL, Keil KP, Vezina CM. Requirement for beta-catenin in prostatic bud formation. Society for Basic Urologic Research Fall Symposium, Las Vegas, NV.
34. 2011. Mehta V, Abler LL, Keil KP, Schmitz CT, Joshi PS, Vezina CM. Expression patterns of wnt/beta-catenin signaling mRNAs during fetal and neonatal mouse prostate development. Society for Basic Urologic Research Fall Symposium, Las Vegas, NV.
33. 2011. Keil KP, Mehta V, Abler LL, Joshi PS, Schmitz CT, Vezina CM. A potential permissive role for DNA methylation in prostate development. Society for Basic Urologic Research Fall Symposium, Las Vegas, NV.
32. 2011. Abler LL, Keil KP, Mehta V, Joshi PS, Schmitz CT, Vezina CM. A high-resolution molecular anatomy of the fetal mouse lower urogenital tract reveals selective markers of lower urogenital tract cell populations. Society for Basic Urologic Research Fall Symposium, Las Vegas, NV.
31. 2011. Abler LL, Keil KP, Mehta V, Joshi PS, Schmitz CT, Vezina CM. High-resolution molecular anatomy of the fetal mouse lower urogenital tract reveals selective markers of lower urogenital tract cell populations. NIDDK Urology Program Director's Meeting, Ellicott City, MD.
30. 2011. Commers TW, Sullivan R, Vezina CM, Warren CL, Nijman IJ, Guryev V, Cuppen E, Hubner N, and Shull J. Genetic characterization of Renag1, a locus that confers a defect in urogenital development. Rat Genomics & Models, Cold Spring Harbor, NY.
29. 2010. Vezina, CM, Hardin HA, Peterson, RE. Impairment of fetal mouse prostate development by 2,3,7,8 tetrachlorodibenzo-*p*-dioxin (TCDD) is linked to a defect in b-catenin signaling. The

49th Annual Meeting of the Society of Toxicology, Salt Lake City, UT.

28. 2010. Moore RW, Allgeier SH, Lin T-M, Vezina CM, Peterson RE. Regulation of Ventral Epithelial Bud Patterns in Mouse Urogenital Sinus (UGS) by Androgen Signaling and 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD). The 49th Annual Meeting of the Society of Toxicology, Salt Lake City, UT.
27. 2010. Hardin HA, Vezina CM, Lin T-M, Moore RW, Peterson RE. Activation of aryl hydrocarbon receptor signaling is associated with down regulation of SLUG during mouse prostate development and transgenic adenocarcinoma of the mouse prostate (TRAMP) tumor metastasis. The 49th Annual Meeting of the Society of Toxicology, Salt Lake City, UT.
26. 2010. Devasthanam AS, Alles NJ, Vezina CM, Olson JR, Rittenhouse-Olson K. Developing a monoclonal antibody based capture assay to quantify cytosolic AHR. The 49th Annual Meeting of the Society of Toxicology, Salt Lake City, UT.
25. 2010. Flucus C-L, Abler L, Mehta V, Vezina CM. Gene expression within a developing urinary system. University of Wisconsin-Madison Undergraduate Symposium.
24. 2010. Joshi PS, Abler L, Mehta V, Flucus C-L, Schmitz CT, Vezina CM. Wnt co-receptor Lrp5 plays a role in prostate development. University of Wisconsin-Madison Undergraduate Symposium.
23. 2010. Schmitz C, Mehta V, Abler L, Vezina C. The tissue compartments of the developing mouse prostate. Introductory Biology 152 Mentored Research Poster Symposium.
22. 2009. Vezina CM, Hardin HA, Lashua A, Sun X, Tanguay R, Peterson RE. TCDD decreases beta-catenin dependent SOX9 expression during prostatic bud inhibition in mouse urogenital sinus. The 48th Annual Meeting of the Society of Toxicology, Baltimore, MD.
21. 2009. Vezina CM, Hardin HA, and Peterson RE. TCDD disrupts prostate morphogenesis in mice by decreasing β-catenin-mediated SOX9 expression. The Okinawa Conference, Forum.
20. 2008. Allgeier SH, Lin T-M, Vezina CM, Moore RW, Fritz WA, Peterson RE. 2007. WNT5A Reduces Prostatic Bud Formation in the Mouse Urogenital Sinus and Inhibition of WNT5A Rescues Effects of TCDD on Bud Formation In Vitro. The 47th Annual Meeting of the Society of Toxicology, Seattle, WA.
19.. 2008. Moore RW, Vezina CM, Allgeier SH, Peterson RE. Notch-inducible prostatic budding in the mouse urogenital sinus (UGS) is not inhibited by 2,3,7,8 tetrachlorodibenzo-*p*-dioxin (TCDD). The 47th Annual Meeting of the Society of Toxicology, Seattle, WA.
18. 2008. Vezina CM, Moore RW, Allgeier SH, Peterson RE. 2,3,7,8 tetrachlorodibenzo-*p*-dioxin (TCDD) inhibits fibroblast growth factor (Fgf)10-inducible prostatic budding in the mouse urogenital sinus (UGS). The 47th Annual Meeting of the Society of Toxicology, Seattle, WA.
17. 2007. Moore RW, Vezina CM, Hicks SM, Lin, T-M, Peterson RE. Studies on why ventral prostatic budding in the mouse urogenital sinus (UGS) is far more vulnerable to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) than dorsal, lateral, or anterior budding. *The Toxicologist* (a supplement to Toxicological Sciences). 96(1): 552. The 46th Annual Meeting of the Society of Toxicology, Charlotte, NC.
16. 2007. Vezina CM, Hicks SM, Bushman W, Peterson RE. TCDD decreases retinoid signaling and ventral prostatic bud formation in the mouse urogenital sinus. The 46th Annual Meeting of the Society of Toxicology, Charlotte, NC.
15. 2006. Ovando BJ, Foxenberg RJ, Kransler KM, Vezina CM, Olson JR. Changes in hepatic gene expression within 6h of exposure to TCDD and effects on gene function. The 45th Annual Meeting of the Society of Toxicology, San Diego, CA.
14. 2006. Kransler KM, Ovando BJ, Foxenberg RJ, Vezina CM, and Olson JR. Hepatic Gene Expression Profiling of Female Rats Chronically Exposed to PCB 126, PCB 153, or a Binary Mixture of PCB 126 and PCB 153. The 45th Annual Meeting of the Society of Toxicology, San Diego, CA.
13. 2006. Fritz, WA, Vezina CM, Peterson RE. Interference with Bmp4 signaling by in utero TCDD exposure may contribute to inhibition of prostatic bud formation from the ventral urogenital sinus of male fetal mice. The 45th Annual Meeting of the Society of Toxicology, San Diego, CA.

12. 2006. Vezina CM, Li H, Goldberg MC, Kim KH, Peterson RE. Modulation of retinoic acid signaling may contribute to impairment of ventral prostatic bud formation by TCDD in the urogenital sinus of male fetal mice. The 45th Annual Meeting of the Society of Toxicology, San Diego, CA, March, 2006.
11. 2005. Ovando BJ, Foxenberg RJ, Kransler KM, Vezina CM, Olson JR. Comparative Hepatic Expression of Novel Dioxin-responsive genes CAP2, Ceacam10, Serpina7, CYP3A9 and CES3. 33rd Annual Meeting of New England Pharmacologists, Portland, ME.
10. 2005. Ovando BJ, Vezina CM, Olson JR. Dioxin-responsive down-regulation of serpina7, cyp3a9/3a13 and ces3 requires a functional aryl hydrocarbon receptor. 44th Annual Meeting of the Society of Toxicology, New Orleans, LA.
9. 2005. Foxenberg RJ, Obando BJ, Kransler KM, Vezina CM, Olson JR. Dose- and time-dependent hepatic gene expression profiling in female rats exposed to PCB126. 44th Annual Meeting of the Society of Toxicology, New Orleans, LA.
8. 2005. Vezina CM, Theobald HM, Peterson RE. Computational approach towards identifying genes with dioxin response elements in human, mouse, and rat genomes. 44th Annual Meeting of the Society of Toxicology, New Orleans, LA.
7. 2005. Ovando BJ, Foxenberg RJ, Kransler KM, Vezina CM and Olson JR. Comparative hepatic expression of novel dioxin-responsive genes CAP2, Ceacam10, Serpina7, CYP3A9 and CES3: role of a functional AhR. Experimental Biology.
6. 2004. Ovando BJ, Foxenberg RJ, Vezina CM, Olson, JR. Hepatic Gene Expression Profiling of HAHs and the Identification of Novel Dioxin-Responsive Genes. 43rd Annual Meeting of the Society of Toxicology, Baltimore, MD.
5. 2003. Vezina CM, Malek RL, Sajadi H, Brazeau DA, Olson JR. Comparative gene expression profiling in female rats treated subchronically and chronically with PCB126, PCB153, and TCDD. 42nd Annual Meeting of the Society of Toxicology, Salt Lake City, UT
4. 2003. Sharma M, Shubert DE, Sharma M, Rodabaugh KJ, McGarrigle BP, Vezina CM, Bofinger DP, Olson JR. Antioxidant inhibits tamoxifen biotransformation and subsequent DNA-adduct formation in explant cultures of human endometrium. 94th Annual meeting for the American Association for Cancer Research, Toronto, Ont. *Proc. Am. Assoc. Cancer Res.* 44, 1501.
3. 2002. Vezina CM, Koury ST, Olson JR, Drahushuk AT. Identification of novel polymorphisms in the 5'-untranslated region of human Cytochrome P450 1B1. 41st Annual Meeting of the Society of Toxicology, Nashville, TN.
2. 2001. Vezina CM, Koury ST, Slezak BP, Drahushuk KM, Medola P, Deng YF, Moysich K, Olson JR, Drahushuk, AT (2001). Genetic polymorphisms of the aryl hydrocarbon receptor (AhR) and CYP1A1: association with ethoxyresorufin *O*-deethylase (EROD) activity in human placenta. 40th Annual Meeting of the Society of Toxicology, San Francisco, CA.
1. 2000. Vezina CM, Olson JR, Koury ST, and Drahushuk AT. Identification and characterization of polymorphisms in the 5'-regulatory regions of cytochromes P450 1A1 and 1B1. 39th Annual Meeting of the Society of Toxicology, Philadelphia, PA.

Newspaper, television, radio:

2. Discussed in "The Long and Short of It: The Odyssey of Female Bone Health," Published by Kelly Horvath in Endocrine News

1. Interviewee, "Wisconsin bioscience industry plans to promote national potential", Published by Margaret Duffey in Wisconsin Daily Cardinal, Sept 29.