



Annual CAIRIBU Meeting, November 30 – December 2, 2022

Advancing benign genitourinary research with innovative approaches, technologies, and tools

Program Committee: Jonathan Barasch (Columbia U54), Alison Huang (UCSF-Kaiser Permanente KUroEpi), Kimberly Keil Steitz (UW-Madison U54), Cathy Mendelsohn (Columbia U54), Jon Pollack (Stanford U54), Eva Raphael (UCSF-Kaiser Permanente KUroEpi), Doug Strand (UW-Madison U54), Stephen Van Den Eeden (UCSF-Kaiser Permanente (KUroEpi), Bernadette Zwaans (Beaumont-Oakland P20)

Abstracts & Poster Session Committee: Doug Strand (UTSW, UW-Madison U54); Jill Macoska (Univ Mass Boston, UW-Madison U54)

Schedule at a Glance

	WEDNESDAY, NOV. 30	THURSDAY, DEC. 1	FRIDAY, DEC. 2
7:00 AM		BREAKFAST	BREAKFAST
7:30			
8:00		Report from Interactions Core	Announcements
8:30			
9:00	Trainee and Early Investigator Group “pre-meeting” 9:00-12:00 noon	Scientific Session 2 GU Microbes & Infection 8:45-10:45 AM	Scientific Session 5 Ureters & Urolithiasis 8:45-10:30 AM
9:30		Bio-Break 10:45-10:55 AM	Poster Session 3 & Refreshments 10:30-12:00 NOON
10:00			
10:30		Scientific Session 3 Bladder Physiology & Function 10:55-12:25 PM	Take Home Messages 12:00-12:30 PM
11:00			
11:30			
12:00 PM	REGISTER	LUNCH 12:30-1:30	Evaluation & Conclusion 1:00 PM
12:30			
1:00	Welcome, meeting overview	Speaker: Geolani Dy, MD	
1:30	Speaker: Kevin McVary, MD		
2:00	Scientific Session 1 LUTS/D & Prostate 2:00-4:00 PM	Bio-Break 2:00-2:15 PM	
2:30		Scientific Session 4 Bladder & Neurourology 2:15-4:00 PM	
3:00			
3:30			
4:00	Networking Session 4:00-5:30 PM	BREAK 4:00-4:30 PM	
4:30		Networking Session 4:30-5:30 PM	
5:00			
5:30	Poster Session 1 & Reception 5:30-7:00 PM	Poster Session 2 & Reception 5:30-7:00 PM	
6:00			
6:30			
7:00	DINNER (guest of honor, Dr. Kevin McVary)	DINNER	
7:30			



WEDNESDAY – NOVEMBER 30

CAIRIBU TRAINEE & EARLY-STAGE INVESTIGATOR PRE-MEETING EVENT

9:00 AM to 12 NOON

1:00 PM WELCOME, OVERVIEW, AND ANNOUNCEMENTS

Kris Penniston, PhD, PI CAIRIBU Interactions Core; **Julie Barthold, MD**, NIDDK Project Scientist; and **Rob Star, MD**, Director, NIDDK Division of Kidney, Urologic, & Hematologic Diseases

KEYNOTE SPEAKER

1:30 PM **Kevin McVary, MD**, Professor, Department of Urology; and Director, Center for Male Health; Stritch School of Medicine, Loyola University Medical Center (Chicago, IL)



SESSION 1: LUTS/D AND PROSTATE

Moderators **Marvin Langston, PhD, MPH** (Stanford University; prior K12 Scholar, UCSF-Kaiser Permanente KUroEpi Program)
Hannah Miles, graduate student (UW-Madison U54 O'Brien Center)

2:00 PM **Scott Bauer, MD, ScM** (UCSF; prior K12 Scholar, UCSF-Kaiser Permanente KUroEpi Program; also Opportunity Pool Awardee, UW-Madison U54 O'Brien Center)
Defining and targeting aging mechanisms of urinary symptoms in older men: starting with mitochondria

2:15 **Petra Popovics, PhD** (Eastern Virginia Medical School; prior K12 Scholar, UW-Madison KURe)
Recent progress and future directions in the investigation of the prostate immune landscape

2:30 **Jonathan Pollack MD, PhD** (Stanford University U54 O'Brien Center)
Genomic insights into BPH pathogenesis

2:45 **Doug Strand, PhD** (University of Texas Southwestern/ UW-Madison U54 O'Brien Center; also prior Opportunity Pool Awardee, UW-Madison U54 O'Brien Center)
Tissue and data resources for human lower urinary tract research.

3:00 **Chad Vezina, PhD** (UW-Madison U54 O'Brien Center)
Tracing the cell lineage responsible for prostate fibrosis

3:15 **Jill Macoska, PhD** (University of Massachusetts Boston/ UW-Madison U54 O'Brien Center)
Fibroblast plasticity in the lower urinary tract

3:30 **Shane Wells, MD** (Opportunity Pool Awardee, UW-Madison U54 O'Brien Center)
Towards image-based biomarkers for the prostate

3:45 **Moderated discussion (15 min)** – led by session moderators

NETWORKING & INTERACTIONS SESSION *(see suggested small group topics, p. 6)*

4:00 PM Breakout rooms for small groups available

POSTER SESSION 1 *(during reception with cash bar)*

5:30 PM Guest poster judge: **Dr. Kevin McVary**

7:00 PM **DINNER**



THURSDAY – DECEMBER 1

WELCOME DAY 2, ANNOUNCEMENTS

8:30 AM **Kris Penniston, PhD**, PI CAIRIBU Interactions Core

SESSION 2: MICROBES AND INFECTION IN THE GENITOURINARY TRACT

Moderators **Teresa Liu, PhD** (UW-Madison U54 O'Brien Center; also prior K12 Scholar, UW-Madison KURe)
Grace Morales, graduate student (Vanderbilt University P20 Center)

8:45 AM **Nicholas Steers, PhD** (Opportunity Pool Awardee, Columbia University U54 O'Brien Center)
Resident and recruited macrophages in bladder health and disease

9:00 **Maryellen Kelly, PhD, DNP, MHS** (Duke University, prior K12 Scholar, Duke KURe)
Pediatric urinary microbiome at species-level resolution

9:15 **Miguel Verbitsky, PhD** (Columbia University U54 O'Brien Center)
Urine microbiota analysis and mGWAS in children with UTIs and vesicoureteral reflux

9:30 **Seth Reasoner, graduate student** (Vanderbilt University P20 Center)
The infant urobiome

9:45 **Maria Hadjifrangiskou, PhD** (PI, Vanderbilt University P20 Center)
UPEC subverts mitochondrial metabolism to enable intracellular bacterial pathogenesis in UTI

10:00 **Tanya Sysoeva, PhD** (University of Alabama at Huntsville; prior K12 Scholar, Duke KURe)
Virulence factor TraT ubiquitous in drug-resistant uropathogenic E. coli – (VIRTUAL)

10:15 **Jonathan Barasch, MD, PhD** (Co-PI, Columbia University U54 O'Brien Center)
Hematuria, heme metabolism, and UTI

10:30 **Moderated discussion (15 min)** – led by session moderators

10:45 AM **BLADDER HEALTH BREAK – 10 MINUTES**

SESSION 3: BLADDER FUNCTION AND PHYSIOLOGY

Moderators **Cindy Amundsen, MD** (PI, Duke KURe Program)
Byron Hayes, PhD (K12 Scholar, Duke KURe Program)

10:55 AM **Cathy Mendelsohn, PhD** (Co-PI, Columbia University U54 O'Brien Center)
Transcriptional control of urothelial specification in homeostasis and regeneration

11:10 **Ali Gharavi, MD** (Co-PI, Columbia University U54 O'Brien Center)
Opportunities for genomic medicine in benign urology

11:25 **Eli Broemer, graduate student** (Michigan State Univ; Beaumont-Oakland Univ P20 Center)
What 3D reconstruction during ex vivo filling can teach us about bladder biomechanics

11:40 **Michael Odom, PhD** (K12 Scholar, Duke University KURe Program)
Detrusor contractility via FP receptor activation is increased in diabetic mice with bladder underactivity

11:55 **Indira Mysorekar, PhD** (Baylor College of Medicine; prior PI of Washington Univ P20 Center)
Impact of aging on urothelial homeostasis: mechanisms and interventions

12:10 **Moderated discussion (15 min)** – led by session moderators





THURSDAY (continued) – DECEMBER 1

12:30 PM **LUNCH** – Featuring a presentation by dkNET leaders on dkNET research resources

KEYNOTE SPEAKER

1:30 PM **Geolani Dy, MD**, Assistant Professor, Department of Urology and Plastic Reconstructive Surgery and core faculty in the Transgender Health Program, Oregon Health & Science University (Portland, OR)



2:00 PM **BREAK – 15 MINUTES**

SESSION 4: NEUROUROLOGY AND NEUROMUSCULAR INFLUENCES ON THE URINARY TRACT

Moderators **Bernadette Zwaans, PhD** (Co-PI, Beaumont-Oakland University P20 Center)
Sarah Bartolone, assistant research manager (Beaumont-Oakland University P20 Center)

2:15 PM **Pragya Saxena, graduate student** (Michigan State Univ; Beaumont-Oakland Univ P20 Center)
Mechanism of increased detrusor contractility induced by mast cell activator compound 48/80 in murine urinary bladder

2:30 **B. Malique Jones, graduate student** (Michigan State Univ; Beaumont-Oakland Univ P20 Center)
The urothelium drives changes to contractility that mimic neurogenic inflammatory signaling

2:45 **Ramy Goueli, MD** (University of Texas Southwestern)
Neuromodulation in neurogenic lower urinary tract dysfunction

3:00 **LaTasha Crawford, VMD, PhD, DACVP** (K12 Scholar, UW-Madison KURP Program)
What can nerve injury tell us about urologic pain syndromes? Sensory ganglia as a site for somato-visceral crosstalk

3:15 **Kimberly Keil Stietz, PhD** (UW-Madison U54 O'Brien Center; also Opportunity Pool Awardee, Stanford University U54 O'Brien Center) – **(VIRTUAL)**
Role of developmental exposure to environmental neurotoxicant, PCBs, on the lower urinary tract

3:30 **Alison Huang, MD** (Co-PI, UCSF-Kaiser Permanente KUroEpi Program)
A multicenter randomized trial of a therapeutic yoga program for ambulatory midlife and older women with urinary incontinence

3:45 **Moderated discussion (15 min)** – led by session moderators

4:00 PM **BREAK – 30 MINUTES**

NETWORKING & INTERACTIONS SESSION *(see suggested small group topics, p. 6)*

4:30 PM Breakout rooms for small groups available

POSTER SESSION 2 *(during reception with cash bar)*

5:30 PM Guest poster judge: **Dr. Ramy Goueli**

7:00 PM **DINNER**



FRIDAY – DECEMBER 3, 2021

WELCOME DAY 3, ANNOUNCEMENTS

8:30 AM **Kris Penniston, PhD**, PI CAIRIBU Interactions Core

SESSION 5: CALCULI AND OBSTRUCTION IN THE URINARY TRACT

Moderators **Kristina Penniston, PhD** (PI, CAIRIBU U24 Interactions Core, UW-Madison)
Brent Cao, graduate student (Univ Illinois; CHOP-Univ Penn P20 Center Summer Research Scholar)

8:45 AM **James Brooks, MD** (PI, Stanford U54 O'Brien Center)
Understanding renal injury due to obstruction

9:00 **Yuemeng Li, graduate student** (Univ Pennsylvania; CHOP-Univ Penn P20 Center)
Segmentation and registration of kidney stones on CT imaging

9:15 **Abhay Singh, medical school student** (Drexel University; CHOP-Univ Penn P20 Center)
Machine learning to predict spontaneous ureteral stone passage

9:30 **John Dolbow, PhD** (Duke University P20 Center)
Model based simulations of laser ablation – (VIRTUAL)

9:45 **Michael Lipkin, MD** (Duke University P20 Center)
Thulium fiber laser lithotripsy- what are the optimal settings? – (VIRTUAL)

10:00 **Sonia Fargue, PhD** (University of Alabama at Birmingham P20 Center)
Endogenous oxalate synthesis in calcium oxalate stone formers

10:15 **Moderated discussion (15 min)** – led by session moderators



POSTER SESSION 3 (during morning coffee break)

10:30 AM Guest poster judge: **Dr. Dolores Lamb**

TAKE-HOME MESSAGES: WHAT YOU NEED TO KNOW BEFORE YOU GO!

12:00 NOON

1. Session 1 – LUTS/D & Prostate: **Quentin D'Arcy**, University of Massachusetts Boston
2. Session 2 – Microbes & Infection: **Adwaita Parab**, Baylor College of Medicine
3. Session 3 – Bladder Function & Physiology: **Sabrina Mota, PhD**, Beaumont-Oakland University P20 Center
4. Session 4 – Neurourology & Neuromuscular Influences: **Monica Ridlon**, UW-Madison U54 O'Brien Center
5. Session 5 – Calculi & Obstruction: **Joseph Crivelli, MD**, University of Alabama Birmingham P20 Center

CAIRIBU COMMUNITY UPDATES, MEETING EVALUATION, & CONCLUDING REMARKS

12:30 PM **Kris Penniston, PhD** (UW-Madison CAIRIBU Interactions Core)

CAIRIBU MEETING POSTER AWARDS

12:50 PM **Jill Macoska, PhD** (University of Massachusetts Boston) and **Doug Strand, PhD** (UTSW)

ADJOURN

1:00 PM



NETWORKING & INTERACTIONS SESSIONS

Time is reserved on both Wednesday and Thursday for small group interactions. **A few topics have been suggested in advance; see below.** Space for ad hoc small group discussions is available but may be limited. SEE the SIGN-UP SHEETS at the registration table.

If you would like to champion a topic for a small group discussion or affinity group during one or both of these sessions, talk with CAIRIBU Interactions Core staff, Kris Penniston or Jennifer Allmaras. We encourage anyone and everyone to pull together a small group for informal interactions and discussion during these sessions.

WED., NOVEMBER 30 (4:00 PM, 90 min)	CHAMPION(S) OR DISCUSSION LEADER
1. Academic CV and biosketch writing clinic: Interested in giving your bio sketch or CV a checkup? Visit the CV/biosketch clinic with Dr. H and other CV experts on "call" to provide feedback and tips on how to make your current document even more competitive.	Maria Hadjifrangiskou, PhD , Vanderbilt University
2. NIH/NIDDK Diversity Supplements: Highly-trained investigators from diverse backgrounds are needed to address the biomedical research challenges before us. Tips for PIs and trainees applying for NIDDK diversity supplements will be discussed.	Victoria Spruance, PhD , NIH/NIDDK
3. Urinary Microbiota: Those interested in developing research connections, discussing knowledge gaps, and challenges in this research area should plan to participate.	Michael Neugent, PhD , University of Texas at Dallas
4. Using the STTR/SBIR Mechanism for Non-Malignant Urology Research: Hear about the journey one urologist took to obtain one of these grants. Get tips for applying for one yourself.	Kevin McVary, MD , Loyola University Chicago
5. Open	
6. Open	

THURS., DECEMBER 1 (4:30 PM, 60 min)	CHAMPION(S) OR DISCUSSION LEADER
1. Academic CV and biosketch writing clinic: Interested in giving your bio sketch or CV a checkup? Visit the CV/biosketch clinic with Dr. H and other CV experts on "call" to provide feedback and tips on how to make your current document even more competitive.	Maria Hadjifrangiskou, PhD , Vanderbilt University
2. Aging in the Lower Urinary Tract: An emerging area of transdisciplinary research, participate in the discussion to identify knowledge gaps, research needs, and to identify others interested in this topic.	Indira Mysorekar, PhD , Baylor College of Medicine
3. Neuroanatomy of the Bladder: Potential discussion topics include the connection between neurodegeneration and bladder function/infection susceptibility; neuronal bladder architecture in different mouse models of human diseases; and neurodegenerative effects on bladder physiology, immune stance, and/or resistance to infectious bacteria.	Henry Schreiber, PhD , California Institute of Technology
4. Building Collaborative Research Initiatives Inside and Outside of the CAIRIBU Community: Can CAIRIBU catch on within the broader non-malignant GU research community and beyond? Engage in strategic discussion and brainstorming about how to form and evaluate research interactions and collaboration.	Kris Penniston, PhD , UW-Madison CAIRIBU Interactions Core
5. Open	
6. Open	



POSTER SESSIONS

Abstracts from trainees and early-stage investigators were submitted. Posters for each abstract will be available in one of 3 poster sessions. There will not be oral presentations. Presenters should be prepared to remain by their poster during the entire session in order to engage in individual discussion with meeting attendees. **Below are abstract numbers and presenters' names** as they are assigned to each session. Refer to the abstracts booklet for full printed abstracts.

SESSION 1: WED., NOV. 30, 5:30-7:00 PM, Posters 1-15	SESSION 2: THURS., DEC. 1, 5:30-7:00 PM, Posters 16-30	SESSION 3: FRI., DEC. 2, 10:30- 10:30-12 NOON, Posters 31-45
Poster #1: Gonzalez	Poster #16: Ridlon	Poster #31: Silver
Poster #2: Ambrogio	Poster #17: Liu	Poster #32: Neugent (1)
Poster #3: Manuel	Poster #18: Roldán-Alzate	Poster #33: Neugent (2)
Poster #4: Sandhu	Poster #19: Parab	Poster #34: Foresto-Neto
Poster #5: Salazar	Poster #20: Mota	Poster #35: Broemer
Poster #6: Vickman	Poster #21: Bartolone (1)	Poster #36: Miles
Poster #7: Bayne (<i>withdrawn</i>)	Poster #22: Bartolone (2)	Poster #37: Ke
Poster #8: Jones	Poster #23: Morales	Poster #38: Hayes
Poster #9: Sandhu/Chandrashekar	Poster #24: Kiran	Poster #39: Singh
Poster #10: Peterson	Poster #25: Richmond	Poster #40: Xu
Poster #11: Reasoner	Poster #26: Verbitsky (<i>moved to Session 1, Wednesday, 11/30</i>)	Poster #41: Scharpf
Poster #12: Vega-Rodriguez	Poster #27: Odom	Poster #42: Hokanson
Poster #13: Saxena	Poster #28: Agnew	Poster #43: Sakai
Poster #14: D'Arcy	Poster #29: Brownstein	Poster #44: Crivelli
Poster #15: Chen	Poster #30: Steers	Poster #45: Ramachandran

Thank you to **Jill Macoska, PhD** and **Doug Strand, PhD** who led this year's Abstract & Poster Session Committee. Thank you also to all the reviewers who reviewed abstracts; anonymized completed reviews will be provided to presenters after the meeting.

Rosalyn Adam, PhD
Jennifer Allmaras, MPH
Cindy Amundsen, MD
Lauren Baker, PhD, DVM
Jonathan Barasch, MD, PhD
Julie Barthold, MD
Dale Bjorling, DVM, MS
Tudor Borza, MD, MS
James Brooks, MD
Heidi Wendell Brown, MD, MAS
Wade Bushman, MD, PhD
Nicole DeNisco, PhD
Alison Huang, MD
Molly Ingersoll, PhD
Lisa Karstens, PhD
Maryellen Kelly, DNP, MHSc
Kevin Koo, MD, MPH
Marvin Langston, PhD, MPH
John Lieske, MD
Michael Lipkin, MD

Paul Marker, PhD
Cathy Mendelsohn, PhD
Tanecia Mitchell, PhD
Chris Mullins, PhD
Deepak Nihalani, PhD
Kristina Penniston, PhD, RDN
Jonathan Pollack, MD, PhD
Catherine Putonti, PhD
Sara Roccabianca, PhD
Aruna Sarma, PhD, MHA
Henry Schreiber, PhD
Nicholas Steers, PhD
Joshua Stern, MD
Kim Keil Stietz, PhD
Sylvia Suadican, PhD
Siobhan Sutcliffe, PhD, ScM, MHS
Greg Tasian, MD, MSc, MSCE
Nathan Tykocki, PhD
Anne-Catrin Uhlemann, MD, PhD
Jason Van Batavia, MD, MSTR



Stephen Van Den Eeden, PhD
Chad Vezina, PhD
Hunter Wessells, MD
Pei Zhong, PhD
Bernadette Zwaans, PhD

GUEST POSTER JUDGES

Kevin McVary, MD, Professor, Department of Urology and Director, Men's Health Center, Loyola University Medical Center

Ramy Goueli, MD, MHS, Assistant Professor, Department of Urology, UT Southwestern Medical Center

Dolores Lamb, PhD, Vice Chair, Department of Urology, Professor of Molecular Biology in Urology and Robert S. Dow Professor of Urology, Weill Cornell Medicine



CAIRIBU CENTERS AND PROGRAMS

CAIRIBU U24 Interactions Core (University of Wisconsin-Madison, 2020-2025)

PI, Kristina Penniston, PhD

Co-Investigator, Betsy Rolland, PhD, MLIS, MPH

Research Program Coordinator, Jennifer Allmaras, MPH

Administrative and Social Media Coordinator, Mariana Coughlin, MS

NIDDK Program Officers

Project Scientist, Julie Barthold, MD

Program Official, Deepak Nihalani, PhD

Scientific Consultant, Chris Mullins, PhD

Consortium Monitoring Board

*(for the U24 Interactions Core and
U54 George M. O'Brien Centers)*

- Mark Nelson, PhD (Chairman)
- Cecilia Lo, PhD
- Shuk-Mei Ho, PhD
- Dean Assimos, MD

George M. O'Brien (U54) Cooperative Urology Research Centers

- **Columbia University:** Co-PIs, Jonathan Barasch, MD, PhD; Ali Gharavi, MD; Cathy Mendelsohn, PhD; & Anne-Catrin Uhlemann, MD, PhD (2014-2019 and 2020-2025)
- **Stanford University:** PI, James Brooks, MD (2021-2026)
- **University of Wisconsin-Madison:** PI, William Riche, PhD (2014-2019 and 2019-2024)

Prior CAIRIBU O'Brien Centers

- Mayo Clinic Rochester (PI, John Lieske, MD; 2014-2019)
- University of Pittsburgh (PI, Zhou Wang, PhD; 2016-2021)

P20 Exploratory Centers for Interdisciplinary Research in Benign Urology

- **Beaumont Hospital/Oakland University:** Co-PIs, Bernadette Zwaans, PhD & Michael Chancellor, MD (2021-2023)
- **Children's Hospital of Philadelphia/University of Pennsylvania:** PI, Gregory Tasian, MD, MSc, MSCE (2020-2022)
- **Medical College of Wisconsin:** PI, Kathryn Flynn, PhD (2020-2022)
- **University of Alabama at Birmingham:** PI, Dean Assimos, MD (2020-2022)

Fostering Research With Additional Resources and Development (FORWARD) P20 Urology Centers

- **Duke University:** PI, Pei Zhong, PhD (2022-2025)
- **Mayo Clinic:** Co-PIs, Kevin Koo, MD, MPH & John Lieske, MD (2022-2025)

P20 Exploratory Centers whose grant cycles ended in 2021

- **Albert Einstein College of Medicine:** PI, Kelvin Davies, PhD (2019-2021)
- **Duke University:** PI, Pei Zhong, PhD (2019-2021)
- **University of Tennessee:** PI, Georgi Petkov, PhD (2019-2021)
- **Vanderbilt University:** PI, Maria Hadjifrangiskou, PhD (2019-2021)

Prior P20 Exploratory Centers

- BIDMC/ Harvard University (PI, Mark Zeidel, MD; 2018-2020)
- Columbia University (PI, Simone Sanna-Cherchi, MD; 2018-2020)
- NorthShore University Health System & Purdue University (Co-PIs, Simon Hayward, PhD and Timothy Ratliff, PhD; 2018-2020)
- Washington University (PI, Indira Mysorekar, PhD; 2018-2020)

Multidisciplinary Urologic Research (KUR) Career Development K12 Programs

- **Duke University:** PI, Cindy Amundsen, MD (2013-2018 and 2018-2023)
- **University of Wisconsin-Madison:** Co-PIs, Dale Bjorling, DVM, MS & Wade Bushman, MD, PhD (2013-2018 and 2018-2023)

Urological Epidemiology (KUroEpi) Institutional Research Career Development K12 Programs

- **University of California San Francisco/Kaiser Permanente:** Co-PIs, Alison Huang, MD & Stephen Van Den Eeden, PhD (2016-2021 and 2021-2026)
- **University of Michigan:** Co-PIs, Quentin Clemens, MD & Aruna Sarma, PhD (2016-2021 and 2021-2026)



UROLOGY O'BRIEN CENTERS OPPORTUNITY POOL AWARDS PROGRAM

The George M. O'Brien (U54) Cooperative Urology Research Centers play a unique role within CAIRIBU. The PIs, Project Leaders, and other established investigator collaborators at each Center provide scientific leadership and mentor many trainees. Each Center has funds set aside to grant Opportunity Pool awards (formerly called Pilot Project awards) to early-stage investigators or those new to non-malignant urology. As funds at each Center are available, Center leaders solicit applications for novel research projects with high potential to produce preliminary data with which to apply for larger, longer-term funding. Funds typically provide \$100,000 direct costs per year for 1-2 years, depending on research progress.



CAIRIBU O'BRIEN CENTER OPPORTUNITY POOL APPLICANTS AND AWARDEES 2015-present

O'BRIEN CENTER	APPLICANT	AWARDEE'S INSTITUTION AT TIME OF APPLICATION	AWARD YEAR
Columbia	Iain Drummond	Columbia University	2015
UW-Madison	Tony Goldberg	University of Wisconsin-Madison	2015
UW-Madison	Veronique VanderHorst	Beth Israel Deaconess Medical Center	2016
Pittsburgh	Rose Khavari	Houston Methodist Hospital	2018
UW-Madison	Doug Strand	University of Texas Southwestern	2018
Columbia	Nicholas Steers	Columbia University	2018
Columbia	David DeGraff	Pennsylvania State University	2018
Columbia	Peter Sims	Columbia University	2018
Pittsburgh	Alan Watson	University of Pittsburgh	2019
Pittsburgh	Yu Jiang	University of Pittsburgh	2019
Pittsburgh	Magdalena Grabowska	Case Western Reserve University	2020
Pittsburgh	Alejandro Roldán-Alzate	University of Wisconsin-Madison	2020
UW-Madison	Shane Wells	University of Wisconsin-Madison	2021
UW-Madison	Leonard MacGillivray	University of Iowa	2021
UW-Madison	Scott Bauer	University of California San Francisco	2021
UW-Madison	Teresa Liu	University of Wisconsin-Madison	2021
Columbia	Catherine Brownstein	Harvard University/Boston Children's Hospital	2021
Columbia	Catherine Putonti	Loyola University Chicago	2021
Columbia	Kris Prado	Stanford University	2021
Columbia	Brooke Armfield	University of Florida	2021
Columbia	Michael Ahdoot	Cedars Sinai Hospital	2021
Stanford	Kim Keil Stietz	University of Wisconsin-Madison	2022
Columbia	Tatyana Sysoeva	Duke University	2022