

Collaborating for the Advancement of Interdisciplinary Research in Benign Urology

NOVEMBER 29
DECEMBER 1 2023

KANSAS CITY MARRIOTT DOWNTOWN
200 W 12TH STREET, KANSAS CITY, MO

2023 CAIRIBU MEETING PROGRAM PLANNING COMMITTEE

Jill Macoska, PhD (University of Massachusetts Boston, UW-Madison U54 O'Brien Center); Cathy Mendelsohn, PhD* (Columbia University U54 O'Brien Center); Jonathan Pollack, MD, PhD* (Stanford University U54 O'Brien Center); Nathan Tykocki, PhD* (Michigan State University, Michigan P20 Interdisciplinary Center for Urology Research and Education); Chad Vezina, PhD (UW-Madison U54 O'Brien Center and UW-Madison Multidisciplinary Urologic Research K12 Career Development Program); and Bernadette Zwaans, PhD* (Beaumont Health-Oakland University, Michigan P20 Interdisciplinary Center for Urology Research and Education)

* Indicates participation on the CAIRIBU Meeting Abstracts & Poster Session Sub-Committee

WEDNESDAY, NOVEMBER 29

OPENING SESSION – Room: Basie A/A1

- 12:30 PM - **Kristina Penniston, PhD**; Senior Scientist, University of Wisconsin-Madison; PI, CAIRIBU U24 Interactions Core
 - **Chris Mullins, PhD**; National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Division of Kidney, Urology, and Hematology (KUH) Program Director and Project Scientist for CAIRIBU

KEYNOTE SPEAKER – Room: Basie A/A1

- 12:50 PM **Mark Nelson, PhD**, University Distinguished Professor and Chair, Department of Pharmacology, University of Vermont (also a member of the National Academy of Sciences, elected 2019)

SCIENTIFIC SESSION 1: TRAINING THE NEXT GENERATION OF LEADERS IN NON-MALIGNANT GU SCIENCE

Moderator: Ali Gharavi, MD (Columbia University U54 Urology O'Brien Research Center)

- 1:25 PM **Session introduction**
 - **Tracy Rankin, PhD, MPH, NIDDK**, Division of KUH Deputy Director and Program Director
- 1:30 **Making your mark in urology research**
 - **James Brooks, MD**, Professor, Stanford University; PI, Stanford University U54 Urology O'Brien Center
- 1:45 **Setting yourself up as a collaborative independent investigator**
 - **Whitney Sweeney, PhD**, Scientist, UW-Madison Institute for Clinical & Translational Science
- 2:05 **Academic urology research: Why should you do it?**
 - **Michael Bailey, PhD**, Associate Professor and Senior Principal Engineer, University of Washington
- 2:20 **Navigating from trainee to independent investigator in academia**
 - **Catherine Brownstein, PhD, MPH,*** Assistant Professor, Boston Children's Hospital-Harvard University (and prior CAIRIBU O'Brien Center Opportunity Pool awardee, Columbia University U54 Urology O'Brien Center)
- 2:40 **The journey from mentee to mentor in an academic setting**
 - **Charles Scales, MD, MSHS**, Associate Professor, Duke University; PI of the Scientific Research Center (U24) for the NIDDK Urinary Stone Disease Research Network

3:00 – 3:25 PM

BREAK - 25 minutes

NETWORKING AND CAIRIBU INTERACTIONS SESSION – Trainees & ESIs: Select one (#1 and #2 require advance prep)

3:30-5:00 PM	Room: Lester Young A	Room: Lester Young B	Room: Jay McShann A	Room: Jay McShann B
	Developing & Using IDPs	Practice Your Chalk Talk	Pitch a Research Question	Research Jam
Background:	NIH strongly recommends grad students and postdocs have Individual Development Plans	Chalk talks are frequently required in academic and other job interviews	All great research ideas need to be transformed into articulate and specific research questions	Good research questions first require a great idea that addresses a critical knowledge gap
Activity:	Trainees bring their developed IDPs or those in-progress and get feedback from mentors	Deliver a 10-min chalk talk about your research and get comments from established investigators	Individuals or small groups practice the succinct and coherent pitching of their research questions/hypotheses	Small groups generate novel research ideas for later transformation to a good research questions
Objective:	Learn skills required to identify needs and develop coherent training and career strategies	Sharpen skills related to the construction and delivery of one's broad research goals	Learn how to strategically formulate and state specific research questions, e.g., as specific aims	Practice identifying knowledge gaps and generating ideas in an interdisciplinary setting

7:00 PM

GROUP NETWORKING DINNER (at hotel; room Basie B/B1)

8:30 PM – OPTIONAL: CAIRIBU Urobiome Research Interest Group discussion

THURSDAY, NOVEMBER 30

7:00 – 8:30 AM

BREAKFAST (Basie B/B1)

OPENING SESSION – Room: Basie A/A1

8:30 AM - **Kris Penniston, PhD**; Senior Scientist, University of Wisconsin-Madison; PI, CAIRIBU U24 Interactions Core

KEYNOTE SPEAKER – Room: Basie A/A1

8:45 AM **Dolores Lamb, PhD**, Dow Professorship of Urology, Vice Chair for Research (Department of Urology) and Director of the Center for Reproductive Genomics, Weill Cornell Medicine



SCIENTIFIC SESSION 2: AGING PROCESSES AND EFFECTS IN THE LOWER URINARY TRACT

Moderators: Rosalyn Adam, PhD (Boston Children's/Harvard University)

- 9:15 AM Aging in the prostate
- **Teresa Liu, PhD**, * Assistant Scientist, UW-Madison, U54 Urology O'Brien Center (and K12 alumnus, UW-Madison KURe Program; and Opportunity Pool Awardee, UW-Madison Urology O'Brien Center)
- 9:30 Genitourinary syndrome of menopause: insights into the challenges posed by understudied, overlooked, and stigmatized aging-related urological syndromes
- **Alison Huang, MD, MPhil, MAS**, Professor, UCSF; Co-PI, UCSF-Kaiser Permanente KUroEpi Program
- 9:45 Contribution of genetic factors to lower urinary tract symptoms
- **Miguel Verbitsky, PhD**, Associate Research Scientist, Columbia University U54 Urology O'Brien Center
- 10:00 MODERATED Q&A

10:15 – 10:40 AM

BREAK - 25 minutes

SCIENTIFIC SESSION 3: IMMUNE AND INFECTIOUS PATHOLOGIES IN THE LOWER URINARY TRACT

Moderators: Cindy Amundsen, MD (Duke University KURe Program) and Leanne Teh, student (Duke University)

- 10:45 AM Leveraging surgical and technical advancements to study inflammatory pathways in urinary lithogenesis
- **Kevin Koo, MD, MPH**, Associate Professor, Mayo Clinic; Co-PI, Mayo Clinic FORWARD P20 Center
- 11:00 Proposing the "Continuum of UTI" for a nuanced approach to diagnosis and management of UTIs
- **Sonali Advani, MBBS, MPH**, Assistant Professor, Duke University; K12 Scholar, Duke University KURe Program
- 11:15 Understanding risk factors for antimicrobial resistant community-onset bacteriuria
- **Eva Raphael, MD, MPH**, Assistant Professor, UCSF; K12 Scholar, UCSF-Kaiser Permanente KUroEpi Program
- 11:30 Tracking host-plasmid associations in microbial communities
- **Anne-Catrin Uhlemann, MD, PhD**, Associate Professor, Columbia University; Co-PI, Columbia U54 Urology O'Brien Center
- 11:45 Hematuria and the urothelium
- **Jonathan Barasch, MD, PhD**, Professor, Columbia University; Co-PI, Columbia U54 Urology O'Brien Center
- 12:00 The urothelium: a regulator of inflammation and remodeling
- **Nathan Tykocki, PhD**, Assistant Professor, Michigan State Univ; Beaumont Health-Oakland University P20 Center
- 12:15 MODERATED Q&A

12:30 – 1:25 PM

LUNCH – 55 minutes (Basie B/B1)

Presentation: Developing humanized mouse models for UTI/microbiome experiments

- **Nazema Siddiqui, MD, MHS**, * Assistant Professor, Duke University (K12 alumnus, Duke University KURe Program)
- **Nicole DeNisco, PhD**, Assistant Professor, University of Texas Dallas; and CAIRIBU Urobiome Research Interest Group

SCIENTIFIC SESSION 4: MUCOSAL AND EPITHELIAL PATHOLOGIES AND PROCESSES IN THE LOWER URINARY TRACT

(Thursday, November 30)

Moderators: John Lieske, MD (Mayo Clinic FORWARD P20 Center) and Sakina Plumber, student (Columbia University)

- 1:30 PM Nanofluid-enhanced laser lithotripsy for surgical management of urolithiasis
- **Po-Chun Hsu, PhD**, Assistant Professor, University of Chicago (collaborator, Duke Univ FORWARD P20 Center)
- 1:45 Exploring the optimal settings for thulium fiber laser lithotripsy for surgical treatment of urolithiasis
- **Robert Medeiros, MD**, Assistant Professor, Duke University; Duke University FORWARD P20 Center
- 2:00 Influence of sex hormones on the development of diabetic bladder dysfunction
- **Michael Odum, PhD**, Postdoctoral Associate, Duke University; K12 Scholar, Duke University KURe Program
- 2:15 Therapeutic targeting of LUTS attributed to the aging prostate
- **William Ricke, PhD**, Professor, UW-Madison; PI, UW-Madison U54 Urology O'Brien Center
- 2:30 Nuclear receptors control urothelial differentiation and prevent squamous metaplasia
- **Cathy Mendelsohn, PhD**, Professor, Columbia University; Co-PI, Columbia U54 Urology O'Brien Center
- 2:45 MODERATED Q&A

NETWORKING AND CAIRIBU INTERACTIONS SESSIONS ROUND 1

3:00 – 3:45 PM Use this time for small group networking or select from below; **SUMMARIES from each will be collected**

Room: Lester Young A	Room: Lester Young B	Room: Jay McShann A	Room: Jay McShann B
Stemming the academic brain drain in urology	Forming and maintaining MD-PhD collaborations	The future of non-malignant urology research	The role of patients and patient organizations in urology research
Discussion questions: Is there a brain drain problem? If so, what is it? What is needed to increase graduate students in urology; encourage graduate students to complete postdocs in non-malignant GU research; and encourage postdocs to select academia over industry Moderator: Rosalyn Adam, PhD	Discussion to address: What is the power and potential of MD-PhD collaborations? Discuss how investigators at different career stages can identify and approach potential collaborators; how to develop and maintain productive relationships Moderators: Michael Bailey, PhD and Doug Strand, PhD	Discussion questions: What is needed most to advance urology and genitourinary science? Can CAIRIBU play a role? What is the vision for the CAIRIBU Community? What is the role of the CAIRIBU Interactions Core? Moderator: Aruna Sarma, PhD, MHA	Discussion questions: How have other research fields benefited from patient engagement and alliances with patient organizations? Is there a role for patient organizations in urology research? If so, what is the role of urology investigators and what are the goals of involvement? Moderator: Alison Huang, MD, MPhil, MAS

3:45 – 4:00 PM **BREAK - 15 minutes**

NETWORKING AND CAIRIBU INTERACTIONS SESSIONS ROUND 2

4:00 – 4:45 PM **OPTION** to use this time for small group networking or in groups below; **check at CAIRIBU table for more info**
These groups may meet around tables in the MAIN MEETING room, Basie A

CAIRIBU Collaborative Research Interest Groups	1. Urobiome	2. Diversity, equity, and inclusion	3. Aging in the LUT	4. Patient & community engagement
	5. Urolithiasis	6. Animal models in urology research	7. Neuro-urology	

SCIENTIFIC SESSION 5: EXTRACELLULAR PATHOLOGIES AND PROCESSES IN THE LOWER URINARY TRACT

Moderators: Kimberly Keil Stietz, PhD (UW-Madison O'Brien Center) and Sebastian Haske, student (Carthage College)

- 4:45 PM Developing a new approach to reduce care delay disparities in the treatment of kidney stones
- **David Bayne, MD, MPH**, Assistant Professor, UCSF; K12 Scholar, UCSF-Kaiser Permanente KUroEpi Program
- 5:00 Urinary extracellular vesicles and their bioactive molecules in urinary stone disease
- **Muthuvel Jayachandran, PhD**, Associate Professor, Mayo Clinic; Mayo Clinic FORWARD P20 Center
- 5:15 Urinary symptoms and female sexual dysfunction in diabetes
- **Golena Fernandez, MD**, Urology Fellow, University of Michigan; K12 Scholar, Univ of Michigan KUroEpi Program
- 5:30 Establishment and characterization of a patient-derived xenograft model of human benign prostatic hyperplasia
- **Alex Polasko, PhD**, Postdoctoral Associate, Stanford University; Stanford U54 Urology O'Brien Research Center
- 5:45 Identification of key players in radiation-induced bladder fibrosis
- **Bernadette Zwaans, PhD**, Director of Research, Beaumont Health; Co-PI, MI-CURE P20 Exploratory Center
- 6:00 Does bladder biomechanics depend on biological sex?
- **Sara Roccabianca, PhD**, Associate Professor, Michigan State University; University; Beaumont Health-Oakland University, MI-CURE P20 Exploratory Center
- 6:15 MODERATED Q&A

6:30-7:30 PM (Basie B/B1)

8:00 PM

DINNER ON YOUR OWN

Small group dinners will be organized for those who want to venture out to downtown Kansas City restaurants. **Sign up at the meeting.**

FRIDAY, DECEMBER 1

7:00 – 8:30 AM

BREAKFAST (Basie B/B1)

OPENING SESSION – Room: Basie A/A1

8:30 AM Announcements – **Kris Penniston, PhD**; Senior Scientist, UW-Madison; PI, CAIRIBU U24 Interactions Core
Poster session awards – **Bernadette Zwaans, PhD**; Beaumont Health-Oakland University, PI, Michigan Interdisciplinary Center for Urology Research and Education (MI-CURE) and **Nathan Tykocki, PhD**; Michigan State University and MI-CURE

SCIENTIFIC SESSION 6: STROMAL PROCESSES AND PATHOLOGIES IN THE LOWER URINARY TRACT

Moderators: Lindsey Burnett, MD, PhD (University of California San Diego) and Emily Paterson, student (UT Southwestern)

8:55 AM A cellular anatomy of human lower urinary tract
 - **Doug Strand, PhD**, Associate Professor, UT Southwestern; Project Leader, UW-Madison U54 O’Brien Urology Center

9:10 Stromal drivers of BPH
 - **Jonathan Pollack, MD, PhD**, Professor, Stanford University; Stanford U54 Urology O’Brien Center

9:25 RNA profiling of epithelial and stroma components of BPH
 - **Robert West, MD, PhD**, Professor, Stanford University; Stanford U54 Urology O’Brien Center

9:40 Circular RNA and prostate fibrosis
 - **Jill Macoska, PhD**, Distinguished University Professor of Science and Mathematics, The University of Massachusetts Boston; Project Leader, UW-Madison U54 O’Brien Urology Center

9:55 The urethral defense against ascending invaders
 - **Chad Vezina, PhD**, Professor, UW-Madison; PI, UW-Madison KURe Program

10:10 MODERATED Q&A



10:25 – 10:40 AM

BREAK – 15 minutes

SCIENTIFIC SESSION 7: NEURO-UROLOGICAL PROCESSES AND EFFECTS IN THE LOWER URINARY TRACT

Moderators: James Hokanson, PhD (Medical College of Wisconsin; prior K12 Scholar, Duke University KURe Program)

10:45 AM Bladder structural and mechanosensory changes in response to spinal cord injury in rats
 - **Em Abbott, PhD**, Research Scientist, Duke University; K12 Scholar, Duke University KURe Program

11:00 Cystitis effects on the sensory system: bladder afferents and beyond
 - **LaTasha Crawford, PhD, VMD**,* Assistant Professor, UW-Madison; K12 Scholar, UW-Madison KURe Program

11:15 The ABCs of PCBs: can environmental factors influence voiding function?
 - **Kimberly Keil Stietz, PhD**, Assistant Professor, UW-Madison; Project Leader, UW-Madison U54 Urology Center; and Opportunity Pool awardee (Stanford University U54 Urology. O’Brien Research Center)

11:30 MODERATED Q&A

* Indicates recipient of a CAIRIBU Interactions Core Collaboration Award; see p. 6 for list of all award recipients

ANNOUNCEMENTS AND UPDATES

11:45 PM NIDDK / CAIRIBU Interactions Core

TAKE-HOME MESSAGES (5 min each) – Moderator: Stephen Van Den Eeden, PhD (Co-PI, UCSF-Kaiser KUroEpi Program)

12:00 PM Session 2 – **Layla Jeries**, University of Alabama Huntsville Session 5 – **Kelly Weldon**, University of California Davis
 Session 3 – **Ren Katz**, University of Florida Session 6 – **Nelson Peterson**, UW-Madison
 Session 4 – **Pragya Saxena**, Michigan State University Session 7 – **Monica Ridlon**, UW-Madison

CONCLUDING REMARKS

12:45 PM **Kris Penniston, PhD**; Senior Scientist, UW-Madison; PI, CAIRIBU U24 Interactions Core

ADJOURN @ 1:00 PM

The CAIRIBU Community



CAIRIBU INTERACTIONS CORE (U24-DK-127726, 2020-2025)

University of Wisconsin-Madison

- Kristina Penniston, PhD, RDN, Principal Investigator
- Jennifer Allmaras, MPH, Research Program Coordinator
- Mariana Coughlin, MS, Communications and Outreach Specialist
- Anna Barrett, Student Research Assistant

NIIH/NIDDK PROGRAM OFFICERS

Division of Kidney, Urology, and Hematology

- Chris Mullins, PhD, Project Scientist
(Julie Barthold, MD, Project Scientist through 9/2023)
- Deepak Nihalani, PhD, Program Official



CURRENT CAIRIBU CENTERS AND PROGRAMS

GEORGE M. O'BRIEN UROLOGY U54 RESEARCH CENTERS		
INSTITUTION	PRINCIPAL INVESTIGATOR	GRANT CYCLES
University of Wisconsin-Madison	William Ricke, PhD	2014-2019 and 2019-2024
Columbia University	Jonathan Barasch, MD, PhD; Ali Gharavi, MD; Cathy Mendelsohn, PhD; Anne-Catrin Uhlemann, MD, PhD	2014-2019 and 2020-2025
Stanford University	James Brooks, MD	2021-2026
P20 EXPLORATORY CENTERS FOR INTERDISCIPLINARY RESEARCH IN BENIGN UROLOGY		
INSTITUTION	PRINCIPAL INVESTIGATOR	GRANT CYCLE
Michigan Interdisciplinary Center for Urology Research and Education (Beaumont Health-Oakland University)	Bernadette Zwaans, PhD; Michael Chancellor, MD	2021-2023
FOSTERING RESEARCH WITH ADDITIONAL RESOURCES AND DEVELOPMENT P20 CENTERS		
INSTITUTION	PRINCIPAL INVESTIGATOR	GRANT CYCLES
Duke University	Pei Zhong, PhD	2021-2023
Mayo Clinic (Rochester)	Kevin Koo, MD, MPH; John Lieske, MD	2022-2025
K12 UROLOGICAL EPIDEMIOLOGY (KUOEPI) INSTITUTIONAL RESEARCH CAREER DEVELOPMENT PROGRAMS AND K12 MULTIDISCIPLINARY UROLOGIC RESEARCH CAREER DEVELOPMENT PROGRAMS		
INSTITUTION	PRINCIPAL INVESTIGATOR	GRANT CYCLES
University of Michigan (KUroEpi)	Aruna Sarma, PhD; Quentin Clemens, MD	2021-2026 (Prior, 2016-2021)
University of California San Francisco-Kaiser Permanente (KUroEpi)	Alison Huang, MD; Stephen Van Den Eeden, PhD	2023-2028 (Prior, 2018-2023)
Duke University (KURe)	Cindy Amundsen, MD	2023-2028 (Prior, 2013-2023)
University of Wisconsin-Madison (KURe)	Chad Vezina, PhD (Dale Bjorling, DVM, MS; Wade Bushman, MD, PhD)	2023-2028 (Prior, 2013-2023)
Stanford University (KURe)	Joseph Liao, MD; James Brooks, MD	2023-2027

PRIOR CAIRIBU CENTERS AND PROGRAMS

GEORGE M. O'BRIEN UROLOGY U54 RESEARCH CENTERS		
INSTITUTION	PRINCIPAL INVESTIGATOR	GRANT CYCLES
University of Pittsburgh	Zhou Wang, PhD	2016-2021
Mayo Clinic (Rochester)	John Lieske, MD	2014-2019
P20 EXPLORATORY CENTERS FOR INTERDISCIPLINARY RESEARCH IN BENIGN UROLOGY		
INSTITUTION	PRINCIPAL INVESTIGATOR	GRANT CYCLES
Medical College of Wisconsin	Kathryn Flynn, PhD	2020-2022
Children's Hospital of Philadelphia-University of Pennsylvania	Greg Tasian, MD, MSc, MSCE	2022-2022
University of Alabama at Birmingham	Dean Assimos, MD	2020-2022 and 2018-2020
Vanderbilt University Medical Center	Maria Hadjifrangiskou, PhD	2019-2021
University of Tennessee Health Science Center	Robert Wake, MD	2019-2021
Duke University	Pei Zhong, PhD	2019-2021
Albert Einstein College of Medicine	Kelvin Davies	2019-2021
Washington University	Indira Mysorekar, PhD	2018-2020
NorthShore University HealthSystem-Purdue University	Simon Hayward, PhD; Timothy Ratliff, PhD	2018-2020
Columbia University	Simone Sanna-Cherchi, MD	2018-2020
Beth Israel Deaconess Medical Center-Harvard University	Mark Zeidel, MD	2018-2020

CAIRIBU Interactions Core Awards

The CAIRIBU Interactions Core uses its opportunity pool funds to award collaborative research proposals with high potential for longer-term external funding. Awards are typically funded for one year up to \$50,000 direct costs. The awards are competitive; applications go through peer review with content experts from both inside and outside of CAIRIBU participating. Applications reviewed most favorably are then subject to final review by NIDDK Program Officers affiliated with CAIRIBU. There have been several rounds of **CAIRIBU Interactions Core Collaboration Awards**.

CAIRIBU Interactions Core Collaboration Awards

- RFA April 2021
- **Maryellen Kelly, DNP, MHSc**, Duke University (prior K12 Scholar, Duke University KURe Program)
 - **Teresa Liu, PhD**, UW-Madison, U54 Urology O'Brien Research Center (and prior K12 Scholar, UW-Madison KURe Program; also prior UW-Madison U54 O'Brien Center Opportunity Pool Awardee)
- RFA April 2022
- **Betsy Salazar, PhD**, Houston Methodist
 - **Nazema Siddiqui, MD, MHS**, Duke University (prior K12 Scholar, Duke University KURe Program)
- RFA December 2022
- **Catherine Brownstein, PhD, MPH**, Boston Children's-Harvard University (and prior Columbia University U54 O'Brien Center Opportunity Pool Awardee)
 - **LaTasha Crawford, PhD, VMD**, UW-Madison K12 Scholar, UW-Madison KURe Program
 - **Alejandro Roldán-Alzate, PhD**, UW-Madison, U54 Urology O'Brien Research Center (and prior K12 Scholar, UW-Madison KURe Program)
- RFA April 2023
- **Rose Khavari, MD**, Houston Methodist (and prior University of Pittsburgh U54 Urology O'Brien Center Opportunity Pool Awardee)
 - **Ramy Goueli, MD**, University of Texas Southwestern

The CAIRIBU Interactions Core also has funds to cover expenses incurred by trainees and early-stage investigators for participating in meetings, conferences, symposia, and other research-related or educational events. Applicants who are delivering presentations of some sort or who are acquiring education to facilitate their academic development are typically prioritized. These awards include CAIRIBU Interactions Core **Conference and Data Dissemination Grants**. Another grant mechanism supports expenses related to training, networking, or some other activity aimed at fostering interactions and ultimately research collaboration. These are CAIRIBU Interactions Core **Research Training and Development Grants**.

CAIRIBU Interactions Core Conference and Data Dissemination Grants

July 2019	1 award	To attend the University of Alabama Birmingham P20 Exploratory Center Symposium
October 2019	3 awards	To attend the Columbia University U54 Urology O'Brien Research Center Symposium
August 2022	1 award	To participate in the NIDDK Neurourology Workshop/Think Tank
December 2022	10 awards	To participate in the 2022 annual CAIRIBU Meeting
March 2023	1 award	To attend the 2023 annual SUFU Meeting
April 2023	10 awards	To abstract/poster presenters at the 2023 Duke KURe Program Annual Symposium
December 2023	12 awards	To participate in the 2023 annual CAIRIBU Meeting

CAIRIBU Interactions Core Research Training and Development Grants

April 2023	1 award	To participate in a stone-related networking activity at the 2023 AUA meeting
December 2023	1 award	To participate in CAIRIBU Urobiome Research Interest Group collaboration at CAIRIBU meeting

Information about all CAIRIBU Interactions Core grant funding and research support opportunities is on the CAIRIBU website: <https://cairibu.urology.wisc.edu/>. Look under the "Funding" tab.