
Collaborating for the Advancement of Interdisciplinary Research in Benign Urology



Wednesday, Nov 30 through Friday, Dec 2



*North Bethesda Marriott Hotel &
Conference Center, Bethesda*

All CAIRIBU investigators and trainees from current CAIRIBU Centers and Programs are expected to attend. REGISTER NOW [HERE](#)



The meeting begins at 1:00 PM on Wed., Nov. 30 and concludes at 1:00 PM on Fri., Dec. 2. Full meeting program [HERE](#).

- **ABSTRACTS.** Trainees and early-stage investigators are eligible to submit abstracts. **Abstracts are due October 19.** Formatting and submissions instructions [HERE](#).
 - Abstracts accepted for moderated poster sessions during the meeting will be limited to 50.
 - Best abstract and best poster awards will be given.
- **TRAINEE/ESI PRE-MEETING.** Planned by CAIRIBU trainees and ESIs. This event begins at 9:00 AM on Wednesday, November 30 and concludes at 12 noon. Full agenda available shortly.
- **HOTEL ROOMS.** Book [HERE](#).

Keynote speakers:

Dr. Geolani Dy (Oregon Health & Science University)
and Dr. Kevin McVary (Loyola University Chicago)



NIDDK Workshop on Neurourology

Monday & Tuesday, August 22-23
Virtual, 8:00-5:00 PM Eastern both days
(7 AM-4 PM Central | 5 AM-2 PM Pacific)

Bridging Basic and Clinical Science to Understand Urologic Disease

Neural mechanisms underlie a range of benign urologic diseases. **A broad range of CAIRIBU investigators and trainees are involved in studying these conditions.** Altered innervation of the bladder, urethra, ureters, prostate, erectile tissue, and/or other pelvic structures has a range of effects - including pain, dysfunction, and/or cross-sensitization - contributing to a spectrum of urologic diseases and conditions. **The overall goal of this workshop is to identify persistent gaps in knowledge related to the interaction between the nervous system and the genitourinary system;** how that interaction contributes to benign urologic diseases and disorders; and how multidisciplinary basic, translational, and clinical

Register [HERE](#) | Agenda [HERE](#)

VIRTUAL CAIRIBU EVENTS

CAIRIBU Catalyst Conversations



Monday, August 15, 5:00-6:00 PM Eastern
(4-5 PM Central | 2-4 PM Pacific)

Zoom link available [HERE](#)

3D Printing in the Lab, a 2-Part Series
**Learn about what 3D printing is, what it can do,
and how you can use it to further your science**

Rapid prototyping and 3D printing technology is now widely available. Even the most basic 3D printer can produce highly intricate designs and products that are extremely useful in the research setting. Join **Nathan Tykocki, PhD**, Assistant Professor of Pharmacology & Toxicology at Michigan State University, as he describes:

1. The 3D printing/desktop fabrication technologies available for use in the lab
2. How to leverage 3D printing and fabrication for making scientific instrumentation
3. Digital design software options and 3D model repositories

Join Nathan again in Part 2 of this series, **Monday, September 12** from 5:00-6:00 PM Eastern (4-5 PM Central | 2-4 PM Pacific). Zoom link [HERE](#).

In this session he will talk about basic electronic design, process automation, and microcontrollers and how you can use them to make more complex research tools that rival, if not exceed, the accuracy and precision of their commercial counterparts. Further, he will describe:

1. How he goes from a rough sketch in his head to a fully functional research tool
2. The considerations you will need to keep in mind when designing your own scientific tools
3. Ways to minimize costs
4. Navigating some of the intellectual property rules you may encounter

CAIRIBU ARCTICS Community Forums



CAIRIBU ARCTICS Community

Advancing the Research Capacity of Trainees
and Investigators at early Career Stages

Virtual Forums

The 2022 series of monthly virtual ARCTICS forums begins this month and runs through November 2022. The series was planned by a committee of CAIRIBU trainees and early-stage investigators who met virtually to identify and discuss topics of greatest interest to trainees at all stages of their development.

Wednesday, August 17

1:00-2:00 PM Eastern

(12-1 PM Central | 10-12 noon Pacific)

Zoom link available [HERE](#)

***Preparing for Post-Doc, K12
Programs, and Fellowships***

PIs of various research Programs and Centers will answer your questions about preparing now for the next steps in your journey toward independence. Presenters include: **Bernadette Zwaans, PhD** (Beaumont Health-Oakland University); **Dale Bjorling, DVM, MS** (UW-Madison); **Siobhan Sutcliffe, PhD** (Washington University); and **Li Xin, PhD** (University of Washington). All CAIRIBU ARCTICS forums fall on the 3rd Wednesday of the month. Open to all. [Future forums address:](#)

- *Developing an overarching research agenda* (September). Panelists at various career stages will discuss how to set research priorities and establish short, medium, and longterm goals.
- *How to write winning CVs and biosketches* (October). Hear from a professional from the University of Wisconsin-Madison Writing Center and others about constructing and maintaining an academic CV and writing your NIH biosketch.
- *Making the most of available research resources* (November). Learn about GUDMAP, RBK, and other groups and investigators who are making research resources available online. Learn about how to access and utilize these resources.

CAIRIBU U54 O'Brien Center Summer Research Student Jamboree

Friday, August 19, 1:00-3:00 PM Eastern
(12-2 PM Central | 10-12 PM Pacific)
Zoom link available [HERE](#)



**O'BRIEN
CENTERS**

Each summer the CAIRIBU George M. O'Brien Urology Centers welcome high school, undergraduate, and medical school students into their labs to work on research related to non-malignant genitourinary conditions and diseases.

This year 20 students mentored by 16 leaders at 3 current and 1 prior CAIRIBU O'Brien Center will deliver presentations in this virtual event. Presentations will be followed by Zoom breakout rooms for one-on-one discussion. **Jonathan Pollack, MD, PhD** (Stanford University) will welcome students and other attendees in his opening remarks. **Jill Macoska, PhD** (University of Massachusetts Boston) will set the context for students' presentations with her talk on what we know about non-malignant urological diseases. **Laura Pascal, PhD** (University of Pittsburgh) will offer concluding remarks. ALL ARE WELCOME TO ATTEND THIS EVENT.

CAIRIBU Graduate Student Seminars



Wednesday, September 7
1:00-2:00 PM Eastern
(12-1 PM Central | 10-11 AM Pacific)
Zoom link available [HERE](#)

All are encouraged to attend these seminars giving CAIRIBU graduate students the opportunity to discuss their research projects and findings. These virtual seminars will fall on the 1st Wednesdays of the month through December 2022. Stay tuned for info about 2023 seminars. **Eli Broemer**, graduate student at Michigan State University, shown at left (*mentored by Sara Roccabianca, PhD*) will kick off the series. Stay tuned for info about student presenters in October, November, and December.

ONGOING CAIRIBU INITIATIVES

Writing Stakeholder Engagement Plans in your Grant Applications

Wednesday, August 17, 5:00-6:00 PM Eastern
(4-5 PM Central | 2-3 Pacific)
Zoom link [HERE](#)

What is it? A virtual CAIRIBU writing club aimed at



engaging diverse voices to improve research and health outcomes in non-malignant urological research

The NIH, NSF, and other funding agencies increasingly require patient and other stakeholder participation in research. This past year, investigators and trainees within the CAIRIBU Community have engaged in learning activities and events led by [Gay Thomas, MA](#),

an expert in helping researchers build effective stakeholder partnerships that can produce meaningful research outcomes. Drop in anytime to one of these virtual writing club sessions, led by Gay Thomas. Bring your research ideas or your the section of your next grant application where you'd like to include stakeholder engagement. Stay tuned for writing club dates and times for October through December.



CAIRIBU Census

The CAIRIBU Interactions Core will be sending out the "CAIRIBU Census" at the end of August. **All CAIRIBU-affiliated investigators and trainees will be encouraged to complete the survey.** Data collected will be used to understand demographic and research-related details about CAIRIBU investigators and trainees to better understand the workforce of investigators who study non-malignant urologic diseases and

disorders. Data will also be used to identify and address any instances of real or apparent inequities and to identify groups within CAIRIBU who may be eligible for specific opportunities that may arise, for example grant applications and speaker opportunities. Data collected are confidential; the CAIRIBU Interactions Core is bound by and adheres to all NIH-guidelines for protecting investigators' demographic information. All analyses related to gender, race, ethnicity, disability, and/or disadvantaged background will report aggregate statistical findings only and will not identify individuals.

Other Workshops and Events of Interest to CAIRIBU Community Investigators



American
Urological
Association

Getting ready to complete your research projects and already thinking about setting up your own research lab?

Establishing Your Independent Urologic Research Lab. Course consists of 4 modules viewed virtually, on your own. Course is FREE to AUA members (otherwise costs \$39). Faculty include highly successful investigators: [Dolores Lamb, PhD, HCLD](#) (course director); [Li Xin, PhD](#); and [Margo Damaser, PhD](#). Topics include negotiating your start-up package, establishing your lab, lab management, and translating your research for maximum clinical impact. More info [HERE](#).

NEW INSIGHTS

into Congenital
Kidney Disease

September 28-29, 2022



New Insights into Congenital Kidney Disease

**Wednesday & Thursday,
Sept. 28-29**

At the Hyatt Regency Bethesda Hotel,
Bethesda, MD

Experts will discuss challenges in moving beyond the current research state to an understanding of the mechanisms associated with congenital renal anomalies and low nephron endowment. Leaders in the field will include clinicians,



Research Advances for Urologic Chronic Pelvic Pain Syndrome: Informing the Next Generation of Clinical Studies

Monday & Tuesday, Oct. 17-18

On site at the Natcher Conference Center,

computational geneticists, developmental biologists, perinatologists, environmental scientists, health disparities researchers, and investigators who work with a range of renal model systems, including organoids, to identify common scientific intersections and natural collaborations among disciplines.

More info [HERE](#)

NIDDK Program Contact: Susan Mendley,
MD

NIH Headquarters, Bethesda, MD

Urologic Chronic Pelvic Pain Syndrome (UCPPS) represents both Interstitial Cystitis/Bladder Pain Syndrome and Chronic Prostatitis/UCPPS. This meeting will provide a forum for exchange of new insights into UCPPS underlying mechanisms and clinical characteristics.

More info [HERE](#)

NIDDK Program Contact: Chris Mullins, PhD

Upcoming Meetings and Events

- Aug 11: [CAIRIBU O'Brien Centers Leaders meeting](#) (4 PM Eastern, virtual)
Aug 15: [CAIRIBU Catalyst Conversations, Part 1](#) w/Nathan Tykocki, PhD (5 PM Eastern, virtual)
Aug 17: [CAIRIBU ARCTICS Community Forum: Preparing for postdoc](#) (1 PM Eastern, virtual)
Aug 17: [CAIRIBU Stakeholder Engagement Writing Club](#) (5 PM Eastern, virtual)
Aug 19: [CAIRIBU O'Brien Centers Summer Research Student Jamboree](#) (1 PM Eastern, virtual)
Aug 22-23: [NIDDK Workshop on Neurourology](#) (8-5 PM Eastern both days, virtual)
Aug 28-31: [North Central Section of the AUA annual meeting](#) (in-person, Chicago, IL)
- Sept 7: [CAIRIBU Graduate Student Seminar](#): Eli Broemer, Michigan State Univ (1 PM Eastern, virtual)
Sept 8: [ALL CAIRIBU Community Leaders meeting](#) (4 PM Eastern, virtual)
Sept 12: [CAIRIBU Catalyst Conversations, Part 2](#) w/Nathan Tykocki, PhD (5 PM Eastern, virtual)
Sept. 21: [CAIRIBU ARCTICS Community Forum: Research agendas](#) (1 PM Eastern, virtual)
Sept 28-29: [NIDDK Workshop on Congenital Kidney Disease](#) (NIH Headquarters + hybrid)
- Oct 5: [CAIRIBU Graduate Student Seminar](#) (1 PM Eastern, virtual)
Oct 13: [CAIRIBU O'Brien Centers Leaders meeting](#) (4 PM Eastern, virtual)
Oct 13-14: [AUA Early-Career Investigators Workshop](#) (AUA Headquarters, Linthicum, MD)
Oct 17-18: [NIDDK Workshop on Pelvic Pain](#) (NIH Headquarters, Bethesda, MD)
Oct 19: [CAIRIBU ARCTICS Community Forum: Writing CVs & biosketches](#) (1 PM Eastern, virtual)
- Nov 2: [CAIRIBU Graduate Student Seminar](#) (1 PM Eastern, virtual)
Nov 10: [ALL CAIRIBU Community Leaders meeting](#) (4 PM Eastern, virtual)
Nov 10-13: [Society for Basic Urologic Research Meeting](#) (in-person, Orlando, FL)
Nov 16: [CAIRIBU ARCTICS Community Forum: Research resources](#) (1 PM Eastern, virtual)
Nov 30-Dec 2: [Annual CAIRIBU Meeting](#) (in-person, Bethesda, MD)

Check the [Events Listing](#) on the CAIRIBU website for updates and other announcements

CAIRIBU Travel Grants

Did you know that the CAIRIBU Interactions Core offers travel grants (*Conference & Data Dissemination Grants*) to trainees and early-stage investigators for participating in scientific meetings? Or that the CAIRIBU Interactions Core will help you with funds needed to visit and learn from another investigator at his/her research lab (*Research Training and Development Grants*)? More info [HERE](#).

OTHER FUNDING. Check the CAIRIBU website [funding page](#) for announcements. Currently, NIDDK grant applications for the SUITOR Program are sought; details [HERE](#).

Events, Jobs, News

Check the [CAIRIBU Kiosk](#) frequently for updates. Are you an investigator looking for a postdoc or fellow?



Let the CAIRIBU Interactions Core know. We will post it on the website and use our social media connections to promote it.



HAVE YOU



HAVE YOU READ?

Are you aware of the newest research from investigators and trainees in the CAIRIBU Community? The list is updated monthly and available on the CAIRIBU website [HERE](#).

WATCHED?

The [CAIRIBU YouTube Channel](#) features video presentations by CAIRIBU K12 Scholars and from CAIRIBU Catalyst Conversations, CAIRIBU ARCTICS forums, and lectures and presentations from the 2021 annual CAIRIBU meeting.



Email the CAIRIBU Interactions Core

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

- University of Wisconsin-Madison (2014-2019 and 2019-2024)
- Columbia University (2014-2019 and 2020-2025)
- Stanford University (2021-2026)

Multidisciplinary Urologic Research (KURe) Career Development Programs (K12)

- Duke University
- University of Wisconsin-Madison

Urological Epidemiology (KUroEpi) Institutional Research Career Development Programs (K12)

- UCSF-Kaiser Permanente
- University of Michigan

Kristina L. Penniston, PhD, RDN, FAND

**PI, CAIRIBU U24 Interactions Core
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Exploratory Centers (P20) for Interdisciplinary Research in Benign Urology

- William Beaumont School of Medicine, Oakland University (2021-2023)
- Children's Hospital of Philadelphia-University of Pennsylvania (2020-2022)
- Medical College of Wisconsin (2020-2022)
- University of Alabama at Birmingham (2018-2020 and 2020-2022)
- Albert Einstein College of Medicine (2019-2021)
- Duke University (2019-2021)
- University of Tennessee (2019-2021)
- Vanderbilt University (2019-2021)

Links to websites for all CAIRIBU Centers and Programs are on the CAIRIBU website [HERE](#)

Collaborating for the Advancement of Interdisciplinary Research in Benign Urology

CAIRIBU is a community of NIDDK-funded Centers and Programs whose overarching objectives are to address the gaps in knowledge related to epidemiology, etiology, development, progression, and expression of benign urologic conditions and to train the next generation of leaders in benign urology research

[Learn More Here](#)