

Nov. 2019

NIH-NIDDK



COUNTDOWN TO CAIRIBU #1



Collaborating for the Advancement of Interdisciplinary Research in Benign Urology - Internal Interactions Newsletter. This monthly newsletter is aimed at enhancing communications between NIDDK-funded investigators from U54s, P20s, and K12s working in the area of benign urology, facilitating sharing of knowledge and accomplishments, and providing timely and relevant research-related news, announcements, and updates.

MISSION STATEMENT

As a collaborative network of transdisciplinary research centers, investigators within the CAIRIBU community will **foster collaboration across multiple basic science and clinical disciplines to identify and address gaps in knowledge related to the biology, physiology, biochemistry, genomics, genetics, and metabolism of benign urologic diseases**. Our overarching goals are to (1) **support the next generation of urologic researchers** by providing meaningful education and mentoring; (2) **enhance knowledge of mechanisms** associated with normal development, function, and disease pathology related to the urinary tract, kidney, and prostate; (3) **cultivate new research tools and ideas** by expanding the collaborative network within and outside of the traditional urologic research field; and (4) use the knowledge and tools generated from our collaborative work to **reduce the burden of benign urologic illness and disability** by developing and testing new therapies to effectively treat, manage, and prevent these diseases. CAIRIBU aims to create a transdisciplinary infrastructure to promote benign urologic research collaborations— including those that integrate social, behavioral, and biological sciences— encourage and embrace new investigators into the field, train and mentor the next generation of benign urologic basic scientists and clinician scientists, and develop and share resources and new tools to enhance urology research.

SBUR MEETING UPDATES

Thurs., Nov 7 - CAIRIBU “pre-meeting” at SBUR

- **O’Brien Center PIs meet at 3:00 p.m. at the Marriott Hotel at the Starbucks inside the hotel**
- SBUR meeting registration is from 2:30-8:30 p.m.
- The **Trainee Affairs Career Symposium** is from 3:00-5:00 p.m. in the Blaine Kern Ballroom. CAIRIBU-associated speakers include: **Laura Pascal, Tim Ratliff, Tamara Bavendam, and Chad Vezina**
- The official welcome presentation is at 6:00 p.m. followed by keynote lecture and discussion
- The **Welcome Reception and Networking** is from 8:00-9:00 p.m.

Sat., Nov. 9 – Watch for presentations by CAIRIBU-associated PIs and project leaders, including:

- **Tim Ratliff** (Saturday 9:00 am)
- O’Brien Centers PIs (Saturday 10:15 am); **Will Ricke (UW-Madison), Zhou Wang (Univ Pittsburgh), Jonathan Barasch (Columbia Univ)**
- **Indira Mysorekar** (Saturday 11:30 am)
- **Tom Chi** (Saturday 11:45 am)
- **Simon Hayward** (Saturday 12 noon)
- **Diya Binoy Joseph** (3:30 p.m.; travel award)

Sun., Nov. 10 – Watch for presentations by these CAIRIBU-associated PIs and project leaders:

- **Wade Bushman** (Sunday 9:30 am)
- **Jill Macoska** (Sunday 10:10 am)
- **Petra Popovics** (Sunday 11:40 a.m.; travel award)

[ACCESS THE FINAL SBUR PROGRAM HERE](#)

COUNTDOWN TO CAIRIBU MEETING

Starting this week, you will receive a **WEEKLY “BEFORE YOU GO” email** bringing you up to date regarding the 2019 CAIRIBU meeting, Dec. 4-6 in Kansas City, MO at the Kansas City Airport Marriott Hotel. Watch for these emails **every Monday** – Nov. 4 (today), Nov. 11, Nov. 18, Nov. 25, and Dec. 2. These “countdown” emails will provide important details and updates you will want to consider before leaving for the meeting.

PUT THE ITEMS BELOW ON YOUR “TO DO” LIST TODAY!

1. **Register for the meeting, and make your hotel reservations** as soon as possible. Absolute deadline is November 8. Go [here](#).
2. **Send me your abstracts!** Deadline is November 8. There are 2 poster sessions scheduled for the meeting, both on Thursday, Dec. 5. One session will be comprised of up to 15 particularly meritorious abstracts (review committee TBD). Each presenter will have 3 min to present their work. The remainder of the session is for poster viewing and one-on-one discussion. The second session will be for all remaining abstracts. Posters will be grouped by theme; “best poster” awards will be given. Presenters will have 1 min to give a “flash talk,” followed by poster viewing and discussion. Go [here](#) for tips on giving “flash talks” (look under “Other Resources”). The article, “Elevator pitches for scientists” is quite useful. Also, download a sample abstract template [here](#).

Has your Center developed research resources (protocols, techniques, metadata, videos, tutorials, podcasts, etc)? Send to Kris for posting on CAIRIBU website.



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Are you presenting a poster at SBUR later this week?

If so, please send title & authors' names to Kris. We'd like to cite all of the CAIRIBU research during Saturday's O'Brien Center panel.

SBUR MEETING TRAVEL AWARD WINNERS

The following trainees won travel awards to attend the SBUR meeting:

- Diya Binoy Joseph, PhD, post-doctoral researcher at UTSW under the direction of Douglas Strand, PhD (project leader for the UW-Madison U54 O'Brien Center)
- Petra Popovics, PhD, K12 scholar (UW-Madison)
- Mathilde Bonnemaïson, PhD, post-doctoral researcher at University of Massachusetts Boston under the direction of Jill Macoska, PhD (project leader for the UW-Madison U54 O'Brien Center)
- Teresa Liu, PhD, K12 scholar (UW-Madison)

NEW K SCHOLARS AT DUKE UNIVERSITY

Dr. Cindy Amundsen, PI of the Duke University Multidisciplinary K12 Urologic Research Career Development Program, announces 2 new K12 scholars:



Casey Steadman, PhD
Postdoctoral Associate
Department of Biomedical Engineering
Duke University Pratt School of Engineering

Dr. Casey Steadman earned her B.S. in Biological Engineering and her M.S. in Biomedical Engineering from Mississippi State University. She then completed her PhD at the University of Louisville where she studied the effects of spinal cord injury on sexual function in a rat contusion model. In 2019, Dr. Steadman joined the Grill Laboratory at Duke University.

Dr. Steadman is passionate about researching top priority quality of life issues after spinal cord injury. Her current research focuses on neuromodulatory therapeutic targets for improving bladder and sexual function post-injury. Dr. Steadman seeks to practice bench-to-bedside research, in which she will take therapeutic interventions from the animal model to the patient to impact individuals with spinal cord injury under the mentorship of Dr. Helen Hoenig.



Derek S. Ho, PhD
Postdoctoral Associate
Department of Mechanical Engineering and Materials Science
Duke University Pratt School of Engineering

Dr. Ho earned his BS degree in Biomedical Engineering from the University of Texas at Austin. He went on to complete his PhD degree in Biomedical Engineering at Duke University in 2019 where his research focused on the development of optical technologies for clinical detection of cervical dysplasia. After earning his degree, Dr. Ho joined Dr. Pei Zhong's research group at Duke University as a postdoctoral associate.

Dr. Ho's K12 research focuses on investigating the fundamental mechanisms of kidney stone fragmentation during laser lithotripsy treatment. Understanding the laser interactions during treatment may improve treatment strategies by varying laser pulse settings for a given clinical scenario. Michael Lipkin, MD will mentor Dr. Ho in the clinical aspects of optimizing laser lithotripsy treatment for improved patient-oriented outcomes and long-term surgical management of stone disease.

Check out the CAIRIBU website for more CAIRIBU news, <https://niddkcairibu.urology.wisc.edu>