

# 12/28/2018: CAIRIBU MEETING SUMMARY

## Collaborating for the Advancement of Interdisciplinary Research in Benign Urology

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

NIDDK Developmental Centers for Interdisciplinary Research in Benign Urology (P20)

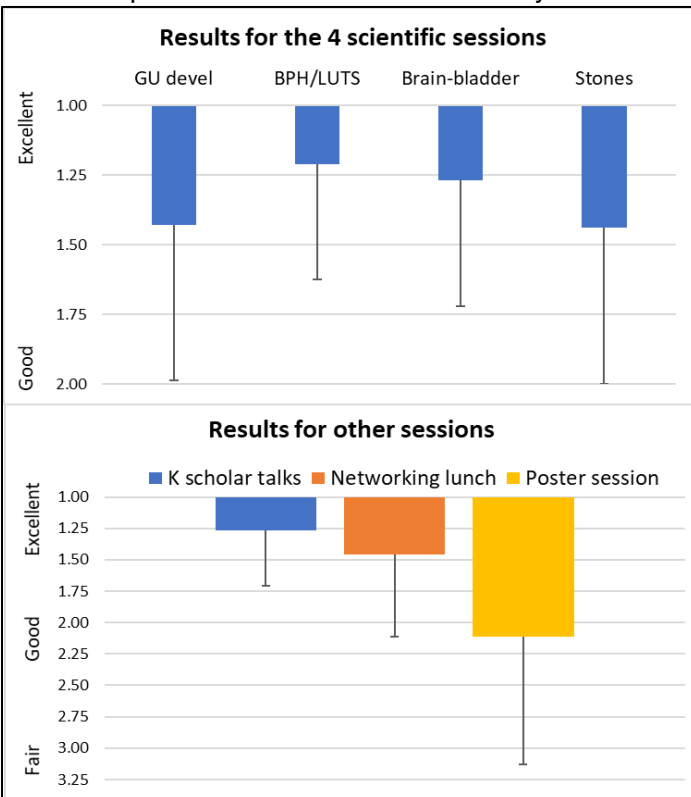
NIDDK Urologic Research (KURe) and Urological Epidemiology (KUroEpi) Institutional Research Career Development Programs (K12)

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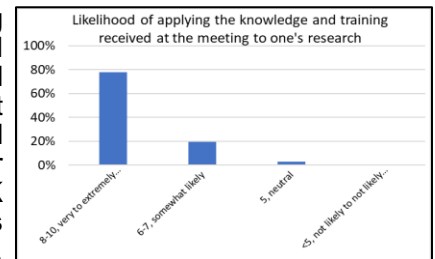
Thanks to everyone for a great meeting! By many accounts, the meeting moved the CAIRIBU community further toward the NIDDK's goal of ensuring a robust and diverse benign urologic research community by (1) providing time and space for networking and interdisciplinary thinking about benign urology research; and (2) educating the next generation of urologic researchers by presenting and discussing new research findings.

Of the nearly 90 meeting registrants, **about half were trainees** (current or prior K scholars, post-docs, graduate and undergraduate students) and the other half were established investigators. Investigators from 16 different institutions were there, including O'Brien Centers, P20s, and K12 programs. The NIDDK, AUA, and the O'Brien Centers External Experts Panel were also represented.

**Evaluations from nearly half of attendees have been tabulated** and show that the 4 scientific sessions were rated "excellent" by most. Results of other sessions are below – lots of great ideas and comments will help to make the poster session much better next year!!!



Overall the meeting provided a high level of education and knowledge that most all participants planned to take back to their sites. The **NIDDK interactions sessions** were also highly rated.



### Mayo Clinic O'Brien Center

At the 2018 CAIRIBU meeting, John Lieske, MD and PI of the Mayo Clinic O'Brien Center (2013-2018) was acknowledged for the many significant contributions to the field of urinary stones he and his team made and for mentoring and training dozens of undergraduates and other trainees.

### STRONG RELATIONSHIPS WILL IMPROVE OUR SCIENCE AND LIFT ALL BOATS



The above comment from Dr. Tamara Bavendam's closing remarks at the 2018 CAIRIBU meeting in Ellicott City, MD underscores our commitment to collaborative science as we move into the new year.

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#### Look for more initiatives to:

- Enhance and optimize inter-center communication and collaboration
- Increase knowledge within the community of what each center is doing
- Strengthen the ability of investigators at each site to conduct their research
- Improve awareness outside of the immediate CAIRIBU community of the research, training, and other opportunities available at our centers

### NEXT CAIRIBU MEETING

**December 4-6, 2019.** Same format as this year: begin at 1 pm on Wednesday and conclude at 1 pm on Friday. Location TBD but strongly considering sites in the central time zone in order to reduce the travel burden on West coast CAIRIBU community members.



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### NIDDK CAIRIBU SUPPORT:

Chris Mullins, PhD – Program Director  
 Tamara Bavendam, MD – Project Scientist  
 Kristina Penniston, PhD – Interactions Director

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## CAIRIBU MEETING MODERATED POSTER SESSION

“**Best posters**” are shown below. The number of posters in each category was determined based on the total number of abstracts submitted for each topic.

**Best Posters:** During the moderated poster session, “best poster” awards were given to presenters in 11 categories (*many thanks to those who served as judges*):

### Bladder-related posters

1. **Melanie Meister** (presented by Indira Mysorekar), Washington University P20. *Effect of vaginal estrogen therapy on the postmenopausal inflammatory bladder state*
2. **Pradeep Tyagi**, University of Pittsburgh U54. *Prejunctional M1 receptor: a target for detrusor underactivity*
3. **Gregory Wiessner**, Columbia University U54. *Retinoid-dependent signals in the cloaca regulate urothelial differentiation and common nephric duct remodeling during the development of the lower urinary tract*



### Genetics-related posters

4. **Lindsay Hampson**, UCSF KURc. *Understanding caregivers and caregiver burden among those caring for patients with congenital urologic conditions*

### LUTS-BPH-related posters

5. **Bryce MacIver**, Harvard University P20. *Traumatic brain injury-related voiding dysfunction in mice is caused by damage to rostral pathways, altering inputs to the reflex pathways*
6. **Chelsea O'Driscoll**, UW-Madison U54. *Exogenous hormone exposure: a potential platform for testing interventional therapies for lower urinary tract dysfunction in male mice*

### Posters related to animal models

7. **Hannah Ruetten**, UW-Madison U54. *Impact of age and castration on canine prostate collagen*

### Urinary tract stones-related posters

8. **Elena Wilson**, Mayo Clinic U54. *Characterization of renal inflammatory cell populations in nephrectomy patients with and without a history of kidney stone disease*
9. **Benjamin Wood**, Mayo Clinic U54. *Imaging kidneys using Doppler ultrasound as a method of detecting kidney stones via twinkling artifacts*

### Prostate-related posters

10. **Wei Chen**, University of Pittsburgh U54. *Primary stromal cells from BPH, but not normal adjacent prostate, stimulates benign prostatic epithelial cell growth in 3D culture*
11. **Douglas Strand**, UTSW (in collaboration with UW-Madison U54). *Building a comprehensive cellular anatomy of the normal and diseased human prostate*

Congratulations to ALL poster presenters for a really great poster session! Despite the session length and the hot room, it was nearly unanimously agreed that the posters were of high scientific quality. And the presenters did a great job explaining them in 2 minutes!

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