

2020 CAIRIBU MEETING SUMMARY

Best Posters & Abstracts – PDF posters and full-text abstracts available on [CAIRIBU website](#)

Thank you to all of those who presented posters. “Best posters” are shown below.

- Prostate and aging: **TIE: Teresa Liu, PhD**, UW-Madison U54 O'Brien Center.
Mitochondrial dysfunction due to aging contributes to prostatic fibrosis
- Prostate and aging: **TIE: Livianna Myklebust, BS**, UW-Madison U54 O'Brien Center.
The Co-localization of COX-1 and COX-2 in Aged Mouse Prostate and Human Prostate
- Prostate/ GU tract signaling and morphology: **Renee Vickman, PhD**, NorthShore HealthSystems-Purdue University P20 Exploratory Center.
Macrophage-Derived Tumor Necrosis Factor Contributes to Benign Prostatic Hyperplasia Through Increased Fibroblast Proliferation
- Prostate and LUTS, pathophysiology: **Hannah Ruetten, DVM/PhD candidate**, UW-Madison U54 O'Brien Center.
A Phenome-Based Approach for Characterizing Mouse Urinary Pathophysiology
- Therapeutics and treatment: **Khue Tran, research specialist**, Houston Methodist, in the lab of Dr. Rose Khavari, former Opportunity Pool awardee, University of Pittsburgh U54 O'Brien Center.
Preliminary Results of Novel Noninvasive Cortical Modulation using Transcranial Rotating Permanent Magnet Stimulator in Improving Voiding Dysfunction in Female Multiple Sclerosis Patients
- Neuroregulation and voiding or LUTS: **Logan Hubbard, MD**, Urology Resident, Houston Methodist.
Preliminary Results of Baseline Cortical Neural Activity in Men with Benign Prostatic Hyperplasia and Bladder Outlet Obstruction
- Genetics – kidney or bladder: **Bisiayo Fashemi, graduate student**, Washington University P20 Exploratory Center.
The Decision Maker: The Role of IFRD1 in Urothelial Plasticity and Regeneration
- Infection: **John Brannon, PhD**, Postdoctoral Researcher, Vanderbilt University P20 Exploratory Center.
Invasion Of Vaginal Epithelial Cells By Uropathogenic Escherichia coli
- Population health: **Scott Bauer, MD**, K12 Scholar, UCSF-Kaiser Permanente KUroEpi Program.
Association of Frailty with Clinical Benign Prostatic Hyperplasia Progression and Serious Adverse Drug Events: the MTOPS Study
- Other kidney, bladder, prostate: **Matthew Grimes, MD**, K12 Scholar UW-Madison KURe Program.
Decreased CD44 Expression Is Associated With Increased Hyaluronic Acid Abundance In Human Lichen Sclerosus

These abstracts received the highest scores from reviewers' evaluations. Congratulations!

1. **Connor Beebout, graduate student**, P20 Center of the Vanderbilt University Medical Center (PI, Maria Hadjifrangiskou, PhD) “*Cytochrome bd is required for uropathogenic Escherichia coli pathogenesis and biofilm development*”
2. **Sarah Maxwell, graduate student**, P20 Center of the University of Tennessee Health Sciences Center (PI, Georgi Petkov, PhD) “*Age-dependent expression of TRPM4 channel in guinea pig detrusor smooth muscle is associated with altered contractility*”
3. **Derek Ho, PhD**, K12 Scholar, Duke University KURe Program (PI, Cindy Amundsen, MD) and a postdoctoral researcher at the Duke University P20 Center (PI, Pei Zhong, PhD) “*The major contribution of cavitation to stone damage in dusting mode during laser lithotripsy*”

“Peoples' Choice” awards were selected by poster session attendees. Congratulations **Khue Tran, research specialist** (Houston Methodist); **Sarah Maxwell, graduate student** (Univ Tennessee P20 Exploratory Center); **Jim Hokanson, PhD** (K12 Scholar, Duke Univ KURe Program); and **Connor Beebout, graduate student** (Vanderbilt Univ P20 Exploratory Center).

NIDDK CAIRIBU SUPPORT:

Chris Mullins, PhD – Program Official

Tamara Bavendam, MD – Project Scientist

Kristina Penniston, PhD – PI, UW-Madison U24 Interactions Core