Multidisciplinary Benign Urology Research Day
Friday, April 26, 2019
Albert Eye Research Institute Auditorium, Duke University

Duke Multidisciplinary K12 Urologic Research Career Development Program (KURe)

8:00 AM  Registration and Poster Viewing (Coffee, Tea, Light Breakfast)

8:30 AM  Welcome and Introductions: Cindy Amundsen, MD, KURe PI and PD

8:40 AM  Moderator: Monique Vaughan, MD, Urogynecology, Duke University
Keynote Speaker: John R. Kirby, PhD, Medical College Wisconsin
“Xenobiotic Disruption of the Microbiome Alters Host Physiology”

9:20 AM  Moderators: Nazema Siddiqui, MD, MHS Urogynecology, Duke University
Alexis Dieter, MD, Urogynecology, University of North Carolina
Panel Discussion: “Microbiome Sciences Impact on Urology”
Panelists: A Lenore Ackerman, MD, PhD, Urology, Cedars Sinai Hospital
Lisa Karstens, PhD, Informatics & Epidemiology, Oregon Health & Science University
John R Kirby, PhD, Microbiology & Immunology, Medical College Wisconsin
Julia A Messina, MD, Medicine, Duke University
Neeraj “Neil” Surana, MD, PhD, Pediatrics, Duke University

10:10 AM  Poster Session-1 (odd numbered posters) and Refreshments

11:10 AM  Moderator: Jennifer Anger, MD, MPH Cedars Sinai
Oral Trainee Presentations:

11:10 AM  Best Clinical Science Abstract: Hsin-Hsiao Scott Wang, MD, Boston Children’s Hospital
“Selecting Children with VUR who are most likely to Benefit from Antibiotic Prophylaxis: Application of Machine Learning to RIVUR Data”

11:25 AM  Best Basic Science Abstract: Nathan Hirshman, BS, Duke University
“Cyclophosphamide-Induced Cystitis Triggers NLRP3-Dependent Neuroinflammation in the Hippocampus and Depression in Rats”

11:40 AM  Best Translational Science Abstract: Zachary Cullingsworth, BS, Virginia Commonwealth Univ.
“Acute Dynamic Elasticity Revealed in Individuals with Healthy Bladders but not in Those with Detrusor Overactivity during Urodynamics”

12:00 PM  Lunch with the Experts

1:00 PM  Poster Session-2 (even numbered posters) and Refreshments

2:00 PM  Moderator: Leonid Aksenov, BS Duke University School of Medicine
Keynote Speaker: Joseph Rigdon, PhD, Stanford University
“Heterogeneous Treatment Effects in Randomized Trials”

2:40 PM  Moderators: Jim Hokanson, PhD, Biomedical Engineering, Duke University
Whitney Hendrickson, MD, Urogynecology, Duke University
Panel Discussion: “Individualizing Urologic Care with Data Science and Predictive Analytics”
Panelists: Benjamin Goldstein, PhD, Biostatistics and Bioinformatics, Duke University
Eric Jelovsek, MD, MMEd, Urogynecology, OB-GYN, Duke University
Ann Marie Navar, MD, PhD, Medicine, Duke University
Joseph Rigdon, PhD, Quantitative Sciences Unit, Stanford University
Lisa Wruck, PhD, DCRI, Duke University

3:30 PM  Presentation of Trainee Awards and Closing Remarks

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Duke Departments of Biomedical Engineering, Obstetrics and Gynecology, and Surgery-Urology