



UROBIOME SUMMER MEETING LIGHTNING TALKS

Thursday, July 30 at 3:15 PM

Talks are MAXIMUM 2.5 minutes each and will proceed one after another – there will be a timer

1. **Megan Marie Martinez**, graduate student – Loyola University Chicago (mentor: Catherine Putonti, PhD)
- *A logic regression framework for future disease prediction with longitudinal urobiome data*
2. **Rena Yang**, graduate student – University of California, Los Angeles (mentor: Kymora Scotland MD, PhD)
- *DNA from bacterial biofilms and kidney stone formation*
3. **Ujjaini Basu**, graduate student – University of Texas at Dallas (mentor: Nicole De Nisco, PhD)
- *Urinary microbiome differences in postmenopausal women with Type 2 Diabetes and urinary tract infections*
4. **Zoe Berge**, graduate student – Loyola University Chicago (mentor: Catherine Putonti, PhD)
- *Isolation and characterization of Enterococcus faecalis bacteriophages from sewage*
5. **Nathan Boyer**, graduate student – Oregon Health & Science University (mentor: Lisa Karstens, PhD)
- *Multi-omic integration reveals microbial and metabolomic signatures of Lactobacillus-predominated urobiomes*
6. **Megan Cline**, postbaccalaureate trainee – Washington University in St. Louis (mentor: Aayushi Uberoi, PhD)
- *Strain-level phenotypic and transcriptomic diversity in clinically isolated Proteus mirabilis*
7. **Maria Steiling**, graduate student – Loyola University Chicago (mentor: Catherine Putonti, PhD)
- *Strain-level distinction of urobiome members using genomic data*
8. **Audra Crouch**, postdoctoral researcher – The Ohio State University (mentor: Vanessa Hale, PhD)
- *Complementary in vivo and in vitro approaches to investigate urobiome metabolism of environmental chemicals and subsequent effects on bladder health*
9. **Hillary Dapsauski**, graduate student – Loyola University Chicago (mentor: Catherine Putonti, PhD)
- *Discovery of Escherichia coli plasmid-dependent bacteriophages in the female urinary tract*
10. **Stella Davis & Monique Bittencourt Dias**, undergraduate students – Lewis & Clark College (mentor: Jean Philippe Gouridine, PhD)
- *Characterizing putative glycosyl hydrolases from two urinary bacteria*
11. **Keisha Harrison**, postdoctoral researcher – Oregon Health & Science University (mentor: Lisa Karstens, PhD)
- *Comparing sequencing approaches and temporal dynamics to elucidate the clinical utility of the pediatric urobiome*
12. **Ama Kwabia**, graduate student – Duke University (mentor: Nazema Siddiqui, PhD)
- *Pangenomic and predictive metabolomic characterization of clinical urogenital Lactobacillus crispatus isolates to identify candidate live biotherapeutic product (LBP) strains*
13. **Lila Nelson**, graduate student – Loyola University Chicago (mentor: Catherine Putonti, PhD)
- *The stability of the healthy female lower urinary tract virome*
14. **Ceejay Saenz**, graduate student – University of Texas at Dallas (mentor: Nicole De Nisco, PhD)
- *Building a metagenome-assembled genome catalog of the female urinary microbiome in health and disease*
15. **Dasvit Shetty**, postdoctoral researcher – Boston Children's Hospital (mentor: Zohreh Izadifar, PhD)
- *Understanding the role of sex and age as risk factors in urinary tract infection susceptibility using a human bladder chip model*
16. **Juliette Kudrick**, postbaccalaureate researcher – Oregon Health & Science University (mentor: Lisa Karstens, PhD)
- *Investigating the use of human read removal tools on long read microbial sequencing data*
17. **Dhriti Tattari**, undergraduate student – Cleveland Clinic (mentor: Aaron Miller, PhD)
- *Biofilm formation, but not antibiotic resistance, defines kidney stone bacteria*
18. **Julia Tri**, undergraduate student – Lewis & Clark College (mentor: Jean Philippe Gouridine, PhD)
- *Anaerobic urinary bacteria use uromodulin as a growth substrate*
19. **Sonia Whang**, postdoctoral researcher – Washington University in St. Louis (mentor: Nicole Gilbert, PhD)
- *The vaginal microbiome in women recently experiencing urinary tract infection and bacterial vaginosis*
20. **Mangesh Suryavanshi**, postdoctoral researcher – Cleveland Clinic (mentor: Aaron Miller, PhD)
- *Correlative imaging and metagenomics reveal biofilm-compatible bacterial niches in human kidney stones*
21. **Sanjana Nekkanti**, undergraduate student – Loyola University Chicago (mentor: Alan Wolfe, PhD)
- *Finding Klebsiella pneumoniae susceptible phages in wastewater*
22. **Eva Raphael**, K12 alumnus – University of California San Francisco
- *Characterizing antimicrobial resistance patterns of bacteriuria caused by Escherichia coli with whole genome sequencing in a public healthcare institution in San Francisco, CA*