

UC San Diego

SCHOOL OF MEDICINE

Department of Obstetrics, Gynecology
and Reproductive Sciences



UROBIOME 2025

February 24, 2025

*Robert Payne Scripps Forum for Science
Scripps Institution of Oceanography*



WELCOME to UROBIOME 2025

TICKETS	Registration \$275	REGISTER
DATE / TIME	February 24 th , 2025	
LOCATION	UC San Diego, Scripps Institution of Oceanography Robert Paine Scripps Forum for Science 8610 Kennel Way La Jolla, CA 92037	
EVENT WEBSITE	https://obgyn.ucsd.edu/divisions/urogynecology/urobiome/index.html	

Join like-minded investigators interested in the human urobiome! The goal of the UROBIOME 2025 conference is simple: to advance human urobiome science. We are so glad you are a part of the excitement.

During this conference, we have a unique opportunity to educate each other, share best practices, coalesce around a set of core principles for human urobiome research, and promote scientific practices that facilitate urobiome investigators' making the most of the research resources available to us. Conference attendees are diverse, including internationally known experts in microbiome sciences, trainees, and interested lay individuals.

Participants in prior UROBIOME conferences have contributed a consensus statement published in 2021 (<https://doi.org/10.1128/mSystems.01371-20>).

During UROBIOME 2025, we will think about using our knowledge and skills to find better ways to prevent, diagnose, and treat conditions associated with unhealthy urobiomes. There are many foundational questions still to be asked:

- What are the features of healthy urobiomes?
- How do unhealthy urobiomes contribute to clinical problems?
- Can we prevent the development of unhealthy urobiomes?
- How do we get unhealthy urobiomes back to a healthy state?

We hope you will meet new people, expose yourself to new ideas and ways of thinking, engage with your colleagues, share your expertise and talents freely, establish new collaborations, and be full of new ideas at the end of the day.

We invite you to participate in this innovative conference with a room full of OPEN MINDS.

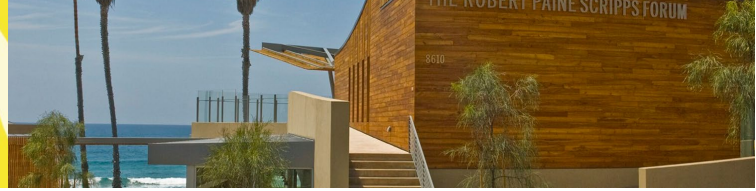
Thank you,

Linda Brubaker, MD

UROBIOME 2025 Conference Organizer

Professor of Obstetrics, Gynecology, & Reproductive Sciences

University of California San Diego



AGENDA

DAY 1 | FEBRUARY 24, 2025

7:00A **Breakfast/Check-In**

7:30A **Welcome & Wake Up Fluids**

Linda Brubaker, MD, MS, FACOG

Professor of Obstetrics, Gynecology & Reproductive Sciences • University of California, San Diego

7:45A **Urobiome Research – Picking Up Speed**

Alan Wolfe, PhD

Professor of Microbiology and Immunology • Loyola University Chicago

8:00A **How ecology and evolutionary biology inform urobiome research – an update from the European UTIr consortium**

Marjon de Vos, MSc. PhD. | VIRTUAL

Assistant Professor of Science and Engineering • University of Groningen - Groningen Institute of Evolutionary Life Sciences

8:45A **Urobiome of SCI/D – Installation Treatments**

Suzanne Groah, MD, MSPH

Professor of Rehabilitation Medicine and Director of Rehabilitation and Recovery • Georgetown University

9:15A **Mouse urobiome and Improved Mouse Models**

Catherine Forster, MD, MS, FAAP

Assistant Professor of Pediatrics • University of Pittsburgh

9:30A QA – Discussion

9:45A **BREAK**

10:15A **Science at the Coal Face: Incorporating Urobiome Science in Clinical Care**

Rajvinder Khasriya, MBBS, PhD, MRCOG | VIRTUAL

Consultant Urogynecologist • Whittington Health

Senior Clinical Lecturer Eastman Dental Institute, Department of Microbial Diseases • University College London

Principal Clinical Investigator • Bladder Infection & Immunity Group (BIIG)

10:45A **The NIDDK PLUS RISE Study – Urobiome Findings**

Linda Brubaker, MD, MS, FACOG

Professor of Obstetrics, Gynecology & Reproductive Sciences • University of California, San Diego

11:15A QA – Discussion

11:30P **Lunch Break & Roundtables**

Enhanced Culture Methods

Alan Wolfe, PhD

Professor of Microbiology and Immunology • Loyola University Chicago

Study Design

Mimi Lukacz, MD, MAS

Professor of Obstetrics, Gynecology & Reproductive Sciences, Division Director Urogynecology & Reconstructive Pelvic Surgery, Assistant Vice Chancellor for Health Sciences Academic Affairs • University of California, San Diego



Bioinformatics and Biostatistics

Lisa Karstens, PhD

Associate Professor of Medical Informatics and Clinical Epidemiology • Oregon Health & Science University

1:00P ***Metabolic Requirements of the urinary microbiome: Shaping Health vs. Disease?***

Maria Hadjifrangiskou, PhD

Professor of Pathology, Microbiology and Immunology, and Urology, Director of Graduate Studies, Microbe-Host Interactions Program • Vanderbilt University Medical Center

1:30P ***Kidney Stones and the Urobiome***

Fengping Liu, DNP

Doctor of Nursing Practice and Researcher, Molecular Biology, Immunology, and Microbiology • Faculty of Medicine, Zhejiang University

2:00P ***Interconnection of the Gut Microbiome and Urinary System***

Jeremy Burton, BSc, MSc, PhD, d.BA

Chair in Human Microbiome and Probiotics & Associate Professor of Urology, Departments of Surgery/ Microbiology & Immunology • University of Western Ontario

Scientist, Lawson Health Research Institute

Director, Canadian Centre for Human Microbiome and Probiotics

2:30P QA – Discussion

2:45P **BREAK**

3:00P ***Insights on the Urobiome: Handling Low Biomass Samples***

Lisa Karstens, PhD

Associate Professor of Medical Informatics and Clinical Epidemiology • Oregon Health & Science University

3:30P ***Updating Consensus Manuscript***

Mimi Lukacz, MD, MAS

Professor of Obstetrics, Gynecology & Reproductive Sciences, Division Director Urogynecology & Reconstructive Pelvic Surgery, Assistant Vice Chancellor for Health Sciences Academic Affairs • University of California, San Diego

Naz Siddiqui, MD, MHSc

Associate Professor of Obstetrics and Gynecology • Duke University

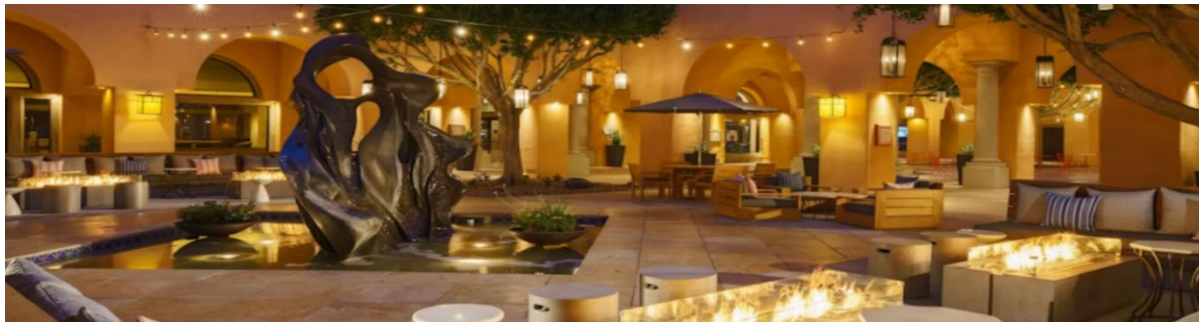
4:15P QA – Discussion

4:45P **Closing Remarks and adjourn for Cocktail and Network Hour**

SUFU 2025 WINTER MEETING

February 25 – March 1, 2025

Westin Rancho Mirage Golf Resort & Spa | Rancho, Mirage, CA



Questions to urogyn@health.ucsd.edu