



2021 Jamboree Agenda

Starts: Monday, August 23rd at 12:00 PM Eastern

Ends: Tuesday, August 24th at 5:35 PM Eastern

ZOOM (Link available upon registration)

Meeting Goals

- Highlighting the unique research resources and breadth of data (including single cell and bulk RNA-seq analysis tissue from human and mice, embryos and adults, and normal and diseased tissue) and additional cutting-edge tools available in the GUDMAP knowledgebase;
- Promoting interactions and fostering collaborations between basic scientists, clinician researchers, nontraditional renal and urological researchers, other NIH consortia, and other stakeholders interested in studying disease;
- Understanding how researchers use GUDMAP resources or would like to use GUDMAP resources and identifying knowledge gaps;
- Uncovering datasets, tools, and algorithms that could enhance the richness of the GUDMAP knowledgebase, and understanding the expectations of users for data quality;
- Exploring research opportunities that span datasets or organs, including the kidney, ureters, bladder, urethra, prostate, and external male genitalia;
- Promoting the achievements of junior researchers and providing networking opportunities.

All times are Eastern time zone.

Day 1 - Monday, August 23rd

12:00 pm to 12:20 pm	Introduction of attendees; Review of goals (5 min) <i>Robert Star (NIDDK)</i> Historical Overview (15 min) <i>Deborah Hoshizaki (Retired GUDMAP Program Director)</i>	
12:20 pm to 1:00 pm	Guest Speaker: Trinity Bivalacqua (Johns Hopkins Medicine), “Using Single Cell Transcriptomics and NanoString to define the fibrotic microenvironment of human Peyronie’s disease”(40 min) <i>30-minute seminar with 10 min discussion.</i>	
1:00 pm to 2:20 pm	Lower Urinary Tract Part 1 / Discussion Moderator: Gregory Whittemore (<i>Columbia University</i>)	
	Vezina Lab	<i>Molecular and Fate Maps of Prostate Stroma (Chad Vezina, University of Wisconsin-Madison)</i>
	Strand Lab	<i>A Cellular Anatomy of the Lower Urinary Tract (Doug Strand, University of Texas Southwestern)</i>
	Mendelsohn Lab	<i>Defining functional cell types in the bladder and identification of signaling pathways that control cell specification (Cathy Mendelsohn, Columbia University)</i>
2:20 pm to 2:40 pm	Break (20 min)	
2:40 pm to 3:20 pm	Guest Speaker: Xin Sun (UC San Diego Health, LungMap) “Mapping the Developing Human Lung in Health and Disease”(40 min) <i>30-minute seminar with 10 min discussion.</i>	
3:20 pm to 4:15 pm	Lower Urinary Tract Part 2 / Discussion Moderator: Chase Bryan (<i>University of Florida</i>)	
	Cohn Lab	<i>Development of the External Genitalia and Urethra: molecular, cellular, and tissue-level atlases for human and mouse (Martin Cohn, University of Florida)</i>
	Li Lab	<i>Early Cloaca and Bladder Development (Sean Li, Cedars-Sinai Medical Center)</i>

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4:15 pm to 4:35 pm	GUDMAP Data Highlights of the Day (20 min) <i>The GUDMAP Hub provides related work & data views from the day's project presentations.</i>
4:35 pm to 5:35 pm	Poster Competition <i>(Pre-recorded videos, Posters available online)</i>
5:35 pm to 6:35 pm	Social hour / Poster Discussions <i>Breakout rooms per subject areas/groupings</i>

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Day 2 - Tuesday, August 24th

12:00 pm to 1:00 pm	NIDDK Meet with the Future (for junior lab members) Christine Maric-Bilkan, Victoria Spruance, Chris Ketchum (NIDDK) <i>Separate Zoom meeting</i>	
1:00 pm to 1:10 pm	Recap of Day 1 - Todd Valerius (Brigham and Women's Hospital/Harvard Medical School) (10 min)	
1:10 pm to 1:50 pm	Guest Speaker: Anjali Kusumbe (Kennedy Institute of Rheumatology) "Organotypic and age-associated vascular signatures in health and disease" (40 min) <i>30-minute seminar with 10 min discussion.</i>	
1:50 pm to 2:20 pm	Kidney Development / Discussion Moderator: Neha Ahuja (<i>University of Texas, Southwestern</i>)	
	McMahon Lab	<i>Towards a cell-based dynamic and spatial understanding of mammalian kidney development. (Andrew McMahon, University of Southern California)</i>
2:20 pm to 2:40 pm	Data Hub presentation / Discussion	
	GUDMAP Hub	<i>GUDMAP.org functionality (Carl Kesselman, University of Southern California and Todd Valerius, Brigham and Women's Hospital/Harvard Medical School)</i>
2:40 pm to 3:00 pm	Break (20 min)	
3:00 pm to 3:40 pm	Guest Speaker: Kara Marshall (Scripps Research) "Feeling the force: the role of PIEZO ion channels in voiding"(40 min) <i>30-minute seminar with 10 min discussion.</i>	
3:40 pm to 4:35 pm	NeuroUro / Discussion Moderator: Brandon Scharpf, (<i>University of Wisconsin-Madison</i>)	
	Southard-Smith Lab	<i>Neural crest lineages in development of lower urinary tract innervation (Michelle Southard-Smith, Vanderbilt University)</i>
	Keast Lab	<i>Multiscale mapping of sensory and motor nerves regulating bladder function (Janet Keast, University of Melbourne)</i>

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4:35 pm to 5:05 pm	Town Hall: Answering Your GUDMAP Questions (30 minutes) <i>M. Todd Valerius (Brigham and Women's Hospital/Harvard Medical School)</i> Attendees will provide questions ahead of time. We will address top-ranked ones.
5:05 pm to 5:15 pm	Poster Awards (10 minutes) We announce the winners of the poster session
5:15 pm to 5:35 pm	Summary of meeting/Wrap up (20 minutes) <i>Eric Brunskill (Program Director, NIDDK)</i>
5:35 pm	Meeting is adjourned