



## 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, breadth of data (adult and embryonic data, human, disease, and more) and cutting-edge science available via 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;
- 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;
- And promoting the achievements of junior researchers and providing networking opportunities.

**Note to project speakers:** Cover data that you have uploaded to GUDMAP and how it can be used by the community. Also summarize the body of work completed as part of GUDMAP. Last slide to focus on how data can be used by the community.

**(Project presentations: 15 min talks with 10 minutes discussion each)**

*All times are Eastern time zone.*

## Day 1 - Monday, August 23<sup>rd</sup>

12:00 pm to 12:25 pm	<b>Introduction of attendees; Review of goals – Robert Star (NIDDK) (KUH view)? Who gives introduction? (10 min)</b> <i>Historical overview and what's new (TBD) (15 min)</i>	
12:25 pm to 1:05 pm	<b>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)</b> <i>30-minute seminar with 10 min discussion.</i>	
1:05 pm to 2:25 pm	<b>Lower Urinary Tract Part 1 / Discussion</b> Moderator: TBD	
	<b>Vezina Lab</b>	<i>Molecular and Fate Maps of Prostate Stroma (Chad Vezina, University of Wisconsin)</i>
	<b>Strand Lab</b>	<i>A Cellular Anatomy of the Lower Urinary Tract (Doug Strand, University of Texas Southwestern)</i>
	<b>Mendelsohn Lab</b>	<i>Defining functional cell types in the bladder and identification of signaling pathways that control cell specification (Cathy Mendelsohn, Columbia University)</i>
2:25 pm to 2:45 pm	<b>Break (20 min)</b>	
2:45 pm to 3:25 pm	<b>Guest Speaker: Xin Sun (UC San Diego Health, LungMap) “Mapping the Developing Human Lung in Health and Disease” (40 min)</b> <i>30-minute seminar with 10 min discussion.</i>	
3:25 pm to 4:20 pm	<b>Lower Urinary Tract Part 2 / Discussion</b> Moderator: TBD	
	<b>Cohn Lab</b>	<i>Development of the External Genitalia and Urethra: molecular, cellular, and tissue-level atlases for human and mouse (Martin Cohn, University of Florida)</i>
	<b>Li Lab</b>	<i>Bladder Development (genital tubercle talk) (Sean Li, Cedars-Sinai Medical Center)</i>
4:20 pm to 4:40 pm	<b>Data Hub Views (20 min)</b> <i>The GUDMAP Hub provides related work &amp; data views from the day’s project presentations.</i>	

4:40 pm to 5:40 pm	<b>Poster Competition</b> <i>(Pre-recorded videos, Posters available online)</i>
5:40 pm	<b>Social hour / Poster Discussions</b>

## Day 2 - Tuesday, August 24<sup>th</sup>

12:00 pm to 1:00 pm	<b>Meet the NIDDK (for junior lab members)</b> Christine Maric-Bilkan, Victoria Spruance, Chris Ketchum (NIDDK) <i>Separate Zoom meeting</i>	
1:00 pm to 1:10 pm	<b>Recap of Day 1 - Todd Valerius (<i>Brigham and Women's Hospital/Harvard Medical School</i>) (10 min)</b> Set the stage for Day 2.	
1:10 pm to 1:50 pm	<b>Guest Speaker: Anjali Kusumbe (<i>Kennedy Institute of Rheumatology</i>) "Organotypic and age-associated vascular signatures in health and disease" (40 min)</b> 30-minute seminar with 10 min discussion.	
1:50 pm to 2:20 pm	<b>Kidney Development / Discussion</b> Moderator: TBD	
	<b>McMahon Lab</b>	<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	<b>Data Hub presentation (20 minutes)</b>  <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	<b>Break (20 min)</b>	
3:00 pm to 3:40 pm	<b>Guest Speaker: Kara Marshall (<i>Scripps Research</i>) "Feeling the force: the role of PIEZO ion channels in voiding"(40 min)</b> 30-minute seminar with 10 min discussion.	
3:40 pm to 4:35 pm	<b>NeuroUro / Discussion</b> Moderator: TBD	
	<b>Southard-Smith Lab</b>	<i>Neural crest lineages in development of lower urinary tract innervation (Michelle Southard-Smith, Vanderbilt University)</i>
	<b>Keast Lab</b>	<i>Multiscale mapping of sensory and motor nerves regulating bladder function (Janet Keast, University of Melbourne)</i>
4:35 pm to 5:05 pm	<b>Town Hall: How can we make GUDMAP more useful and available to the community? (30 minutes)</b>	

	<i>Todd Valerius, Brigham and Women's Hospital/Harvard Medical School</i> Attendees will provide suggestions and questions ahead of time.
5:05 pm to 5:15 pm	<b>Poster Awards (10 minutes)</b> We announce the winners of the poster session
5:15 pm to 5:35 pm	<b>Summary of meeting/Wrap up (20 minutes)</b>
5:35 pm	<b>Meeting is adjourned</b>