



## May 28 through August 1, 2025

### ***SPUUR Meta Monday Schedule***

**SPUUR Scholars meet together every Monday beginning at 9:00 AM.** During each morning, you will hear from various scientists and clinicians engaged in urology research, including urinary tract infection and the urobiome, the male prostate, female pelvic floor disorders, chronic pelvic pain, lower urinary tract dysfunction, bladder regulation and dysregulation, and sexual dysfunction. There will also be presentations on applying to graduate school, preparing yourself for interviews, and other content relevant to your transition from undergraduate school to your future research-related career.

**We will break for lunch and then continue in the afternoon with various learning activities and tours.** You should plan on reporting to your research areas every Monday at 3:00 PM or so to check in with your mentors about the upcoming week's research requirements and expectations. On Tuesdays through Fridays, you will report directly to your assigned research areas and remain engaged there all day, adhering to the expectations of your specific mentors. NOTE that you should plan to participate in any and all research-related activities and events your mentor requires. These may include lab meetings, educational events, trainings, and other activities.

#### **WEEK 1 – Orientation, discuss expectations and research assignments, review summer schedule, Q&A**

**May 28, Wednesday HSLC, room 1244**

- 9:00 AM **Orientation:** introductions, pre-summer questionnaires, expectations, etc.
- 11:30 AM **Mini tour:** Medical Foundation Centennial Building (MFCB), University Hospital cafeteria, Wisconsin Institute for Medical Research (WIMR)
- 11:45 AM Break for lunch
- 1:00 PM **Tour west-end of campus** – Bakke rec center, Vet School, Meat and Poultry Labs, Animal Sciences, Bacteriology, Food Science, Babcock Hall
- 3:00 PM Meet mentors and research lab groups

#### **WEEK 2**

**June 2, Monday**

**HSLC, room 1244**

- 9:00 AM Weekly check-in and announcements
- 9:15 AM **Seth Reasoner, MD-PhD Candidate** (*Vanderbilt University*): (1) Defining the urinary microbiome in children, and (2) the path to the MD-PhD program
- 10:00 AM Break
- 10:30 AM **Kris Penniston, PhD, RD and Allan Jhagroo, MD** (*University of Wisconsin-Madison*): Kidney stones – medical and nutritional management
- 12:00 PM Break
- 1:00 PM **Group activity (HSLC 1244): Design a clinical study** (Penniston & Jhagroo)
- 3:00 PM Report to research areas

#### **WEEK 3**

**June 9, Monday**

**HSLC, room 1244**

- 9:00 AM Weekly check-in and announcements
- 9:15 AM **Nathan Tykocki, PhD** (*Michigan State University*): (1) Bladder research, and (2) Dr. Tykocki's atypical research career
- 10:00 AM Break
- 10:30 AM **Kim Stietz, PhD** (*UW-Madison*): Assays to assess urinary function in rodents
- 11:15 AM **Alejandro Roldán-Alzate, PhD** (*UW-Madison*): MRI-urodynamics – a non-invasive approach to assessing bladder function
- 12:00 PM Break
- 1:00 PM **Group activity (Vet School): Rodent Urinary Function Testing** (Dr. Stietz)
- 3:00 PM Report to research areas

## WEEK 4

June 16, Monday

HSLC, room 1244

- 9:00 AM Weekly check-in and announcements
- 9:15 AM **Lauren Baker, PhD, DVM (UW-Madison)**: Pet dogs as models for urology research
- 10:00 AM Break
- 10:30 AM **Johanna Hannan, PhD (UW-Madison)**: Approaches to studying radiation-induced sexual dysfunction
- 11:15 AM **Emily Tran, graduate student (UW-Madison)**: Referred pain: connections between injured bladder neurons and uninjured neighbors in dorsal root ganglia
- 12:00 PM Break
- 1:00 PM **Group activity (HSLC 1244)**: Journal Club - Read and review 2 articles (TBD)
- 3:00 PM Report to research areas

## WEEK 5

June 23, Monday

HSLC, room 1244

- 9:00 AM Weekly check-in and announcements
- 9:15 AM **James Hokanson, PhD (Medical College of Wisconsin & Marquette University)**: Neuromodulation as applied to urology research for bladder dysfunction
- 10:00 AM Break
- 10:30 AM **Whitney Sweeney, PhD (UW-Madison)**: Enhancing research collaborations: strategies for the undergraduate research assistant
- 11:15 AM **Alexis Adrian, graduate student (UW-Madison)**: Mitochondrial dysfunction in the aging prostate
- 12:00 PM Break
- 1:00 PM **Group activity (HSLC 1249)**: Navigating the research landscape: a literature search challenge (Adrian)
- 3:00 PM Report to research areas

## WEEK 6

June 30, Monday

HSLC, room 1244

- 9:00 AM Weekly check-in and announcements
- 9:15 AM **Aaron Miller, PhD (Cleveland Clinic)**: Sequencing, metabolomics, bioinformatics, and other experimental techniques in urobiome research
- 10:00 AM Break
- 10:30 AM **Alexandra Polasko, PhD (Stanford University)**: (1) Preclinical models for testing therapeutics in benign urology; and (2) PhD engineering-to-medicine pathway
- 11:15 AM Discuss jamboree abstracts
- 12:00 PM Break
- 1:00 PM **Group activity (MFCB 3114 – 3<sup>rd</sup> floor)**: Urology suture lab activity
- 3:00 PM Report to research areas

## WEEK 7

July 7, Monday

HSLC, room 1244

- 9:00 AM Weekly check-in and announcements
- 9:15 AM **Check-in and feedback; review end-of-program goals** (Vezina & Penniston)

10:00 AM	Break
10:30 AM	<b>Teresa Liu, PhD (UW-Madison):</b> Aging in the lower urinary tract
11:15 AM	<b>Michael Wood, DVM, PhD (UW-Madison):</b> Lower urinary tract mucosal immunity and barrier defense
12:00 PM	Break
1:00 PM	<b>Group activity (HSLC 1249):</b> Writing abstracts and manuscripts; designing effective Power Point presentations (Dr. Hannan)
3:00 PM	Report to research areas

## WEEK 8

July 14, Monday

HSLC, room 1244

9:00 AM	Weekly check-in and announcements
9:15 AM	<b>Fei Zhao, PhD (UW-Madison):</b> How does the male reproductive tract develop?
10:00 AM	Break
10:30 AM	<b>Sara Stuedemann, graduate student (UW-Madison):</b> Cystitis, DRG-related, macrophage-related
11:15 AM	<b>Marvin Langston, PhD (Stanford University):</b> Epidemiological research 101
12:00 PM	Break
1:00 PM	<b>Group activity: TBD</b>
3:00 PM	Report to research areas

## WEEK 9

July 21, Monday

HSLC, room 1244

9:00 AM	Weekly check-in and announcements
9:15 AM	<b>Lindsey Felth Tanaka, graduate student (UW-Madison):</b> (1) Neuro-developmental disorders and lower urinary tract symptoms, and (2) graduate school advice
10:00 AM	Break
10:30 AM	<b>Vinaya Bhatia, MD (UW-Madison):</b> Patient-identified research priorities in pediatric urology
11:15 AM	<b>Review plans and process for next Monday's research jamboree</b>
12:00 PM	Break
1:00 PM	<b>Group activity (HSLC 1249):</b> Students share and review abstracts and Power Point presentations (activity led by Penniston & Vezina)
3:00 PM	Report to research areas

## WEEK 10 – Review, feedback, evaluations, grad school prep, staying connected beyond SPUUR

July 28, Monday

HSLC, room 1244

9:00 AM	<b>Round robin review:</b> Feedback, suggestions, experiences, next steps
9:30 AM	Students complete written evaluations
10:45 AM	Break
11:45 AM	<b>Group activity (HSLC 1244):</b> Virtual Summer Research Jamboree (12-2:30 pm)



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The UW-Madison Summer Program for Undergraduate Urology Research is funded through a grant from the National Institute of Diabetes and Digestive and Kidney Diseases (R25-DK-130838) to: **Chad Vezina, PhD**, Professor and Chairman, Department of Comparative Biosciences, University of Wisconsin School of Veterinary Medicine ([chad.vezina@wisc.edu](mailto:chad.vezina@wisc.edu)); and **Kristina Penniston, PhD, RDN** ([penn@urology.wisc.edu](mailto:penn@urology.wisc.edu)), Distinguished Senior Scientist, Department of Urology, University of Wisconsin School of Medicine and Public Health.