

KUH Summer Undergraduate Research Symposium

University of Wisconsin-Madison Health Sciences Learning Center
750 Highland Avenue
Madison, WI 53705

August 2–4, 2023



Agenda



Wednesday, August 2, 2022

12:00 – 10:00 p.m. **Students check in at DeJope Hall** (640 Elm Drive) → actual housing is at Bradley Hall (650 Elm Drive), which is next door to check-in site

7:00 p.m. **Social activity at UW-Madison Memorial Union** (800 Langdon Drive, Madison, WI)

Thursday, August 3, 2023

7:30 a.m. – 8:30 a.m.

Registration, UW-Madison Health Sciences Learning Center (HSLC), 1306

8:30 a.m. – 9:00 a.m. (1306 HSLC)

Introduction and Meeting Objectives

- **Chad Vezina, Ph.D.**, University of Wisconsin (UW)-Madison School of Veterinary Medicine, UW-Madison George M. O'Brien Urology (U54) Cooperative Research Center

Welcome from NIH/NIDDK

- **Tracy Rankin, Ph.D., M.P.H.**, Program Director, National Institute of Diabetes, Digestive and Kidney Diseases (NIDDK)

Welcome from UW-Madison

- **Kristina Penniston, Ph.D. R.D.N.**, Department of Urology, UW-Madison School of Medicine and Public Health, CAIRIBU (U24) Interactions Core

9:00 a.m. – 9:45 a.m. (1306 HSLC)

HEALTH OUTCOMES SPOTLIGHT –

- **Ebele Umeukeje, M.D., M.P.H.**, Assistant Professor, Department of Medicine, Vanderbilt University Medical Center, Nashville, TN

9:45 a.m. – 10:30 a.m. (1305 HSLC)

PATIENT SPOTLIGHT – Urinary Tract Infections

- **Laura Preves Helgeson**, patient and founder of UTI Health Alliance, a patient advocacy resource creating awareness, education and community around Urinary Tract Infections, the most diagnosed outpatient infection in the US

10:30 a.m. – 10:45 a.m.

Break (15 min)

10:45 a.m. – 11:45 a.m. **Poster Session I** – HSLC Atrium (see p. 3 for assignments)

11:45 a.m. – 12:45 p.m.

Group Lunch (catered onsite, HSLC Atrium; menu on p. 3)

This symposium is sponsored by the NIDDK Division of Kidney, Urology, and Hematology (KUH) under the leadership of **Dr. Tracy Rankin**, KUH Deputy Director.

Drs. Chad Vezina and Kristina Penniston organized the meeting, developed the program, and coordinated logistics.

CAIRIBU Interactions Core staff also provided Coordination and support (Jennifer Allmaras, MPH; Mariana Coughlin MS; and Anna Barrett, UW-Madison student).



12:45 p.m. – 1:30 p.m. (1306 HSLC)

UROLOGY SPOTLIGHT – Get Up and Stretch: Compliance Drives Sensation in the Urinary Bladder

- **Nathan Tykocki, Ph.D.**, Assistant Professor, Michigan State University, Department of Pharmacology and Toxicology, East Lansing, MI

1:30 p.m. – 2:10 p.m. (1306 HSLC)

Near Peer Panel: Graduate School and Beyond

- **Andrew Wentland, M.D., Ph.D.**, K12 Scholar, UW-Madison Multidisciplinary Urologic Research (K12) Career Development Program
- **Lauren Baker, Ph.D., D.V.M.**, K12 Scholar, UW-Madison Multidisciplinary Urologic Research (K12) Career Development Program
- **Robbie Manuel, R.N.**, currently pursuing a Ph.D. in Molecular and Environmental Toxicology, UW-Madison
- **Alexis Adrian**, former Mayo Clinic NuSURF scholar, currently pursuing a Ph.D. in Molecular and Cellular Pharmacology, UW-Madison

2:10 p.m. – 3:10 p.m. **Poster Session II** – HSLC Atrium (see p. 3 for assignments)

3:10 p.m. – 3:30 p.m.

Break (20 min)

3:30 p.m. – 4:30 p.m. **Poster Session III** – HSLC Atrium (see p. 3 assignments)

4:30 p.m. – 5:45 p.m.

Research Design Competition (meet in 1306 HSLC → then distribute into small groups)

- Introduction to Activity (10 minutes) followed by Small Group Breakout Sessions
- Groups will be assigned; use available rooms and seating areas for group discussions

5:45 p.m. – 6:45 p.m.

Group Dinner (catered onsite, HSLC Atrium; menu on p. 3)

Friday, August 4, 2023

8:30 a.m. – 9:10 a.m. (1306 HSLC)

Career Panel: Different Flavors of Biomedicine, Science, and Technology

- **Gentzon Hall, M.D., Ph.D.**, Assistant Professor, Duke University, Durham, NC
- **Kyle Wegner, Ph.D.**, Study Director, Labcorp Drug Development, Madison, WI
- **Caroline Schneider, Ph.D.**, Science Writer, UW-Madison College of Agricultural and Life Sciences, Madison, WI
- **Kong Xiong, Ph.D.**, Senior Manager, In Vitro Diagnostics, Exact Sciences, Madison, WI

9:10 a.m. – 10:30 a.m. (1306 HSLC)

Reports from Research Study Design Small Groups – 5 min per group

10:30 a.m. – 10:45 a.m.

Break (15 min)

10:45 a.m. – 11:30 a.m.

KIDNEY SPOTLIGHT – Understanding the Role of IL-15 Signaling in Podocyte Cytoprotection

- **Genzton Hall, M.D., Ph.D.**, Assistant Professor, Department of Medicine, Duke University, Durham, NC

11:30 a.m. – 12:00 p.m. (1306 HSLC)

Concluding remarks, feedback and evaluation, and adjournment

NOTE: Students may check out of Bradley Hall until 2:00 PM

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SPONSORED MEALS

Lunch on Thursday, August 3

- Taco bar
 - Shredded chicken
 - Vegetarian black beans
 - Grilled vegetables
 - Spanish rice
 - Shredded lettuce
 - Shredded cheddar cheese
 - Black olives
 - Diced Tomato
 - Diced onion
 - Sour cream & salsa
- Nacho bar with tortilla chips and cheese sauce
- Cookies
 - Mini cookies (assorted)
 - Vegan cookies
 - Gluten-free macaroons
- Soda, water, sparkling water

Dinner on Thursday, August 3

- Baked chicken buffet (2 pieces/person) or tofu entree
 - House salad
 - Ranch and balsamic dressings
 - Roll with butter (gluten-free rolls available)
- Roasted sweet potatoes
- Sautéed green beans
- Dessert
 - Assorted cookies
 - Vegan cookies
 - Gluten-free macaroons
 - Triangle bars
- Soda, water, sparkling water

Catering by Fresh Madison Market



POSTER SESSIONS

POSTER SESSION 1 Thurs., Aug. 3, 10:45-11:45 AM		POSTER SESSION 2 Thurs., Aug. 3, 2:10-3:10 PM		POSTER SESSION 3 Thurs., Aug. 3, 3:30-4:30 PM	
1. Ferris Abu-Ghosh	21. Fred (Pin Han) Lee	1. Sophia Adame	21. Victoria Ortega	1. Mason Adams	21. Abhinaya Lakkureddi
2. Meera Bhakta	22. Stephanie Li	2. Karnavaal Al-Rubayie	22. Maria Luiza Ortiz	2. Marissa Albarran	22. Tavia Levenson
3. Anna Brooks	23. Arianna Mejia	3. Baran Bayraktar	23. Adam Parker	3. Mayowa Awosika	23. Nicole Marshall
4. Maria Cabrera Echevarria	24. Damon Montgomery	4. Adhishree Chidambaram	24. Megan Pearce	4. Daniella Beiner	24. Dana Mays
5. Ella Carroll	25. Brian Nguyen	5. Tatiana Eason	25. Zili Qiu	5. Brevyn Belfield	25. Jack Morrison
6. Soyoungh Cho	26. Gracie Nicol	6. Seth Entriiken	26. Jialin Quan	6. Jonathan Braithwaite	26. Christine Ogbuebile
7. Lauren Copenhaver	27. Kayenat Peera	7. Madeleine Felan	27. Mallika Reddy	7. Sarah Bulur	27. Zoe Pian
8. Kate Desrochers	28. Anvith Ramadugu	8. Coryn Ferguson	28. Rodrigo Salinas	8. Alondra Camarena	28. Angelina Powers
9. Jeffrey Doeve	29. Ana Ramos	9. Julian Garcia	29. Aaron Seto	9. Ganesh Chetan Tallam	29. Diane Rakotomalala
10. Deron Dwomo-Bediako	30. Avanti Ramraj	10. Sanjana Gattineni	30. Sumil Shah	10. Robert Combs	30. Austin Reynolds
11. John Erickson	31. Sean Rogers	11. Darshigaa Gurumoorthy	31. Saumya Sharma	11. Aaron Coppeta	31. Denisse Romero
12. Rashika George	32. Diane Santos	12. Emma Grace Haley	32. Sana Shehzad	12. Meghan Crowther	32. Parsa Seyfourian
13. Gitika Gorthi	33. Jacqueline Saulnier	13. Noah Helphenstine	33. Trisha Sivam	13. Avery Forster	33. Isra Shuster
14. Anshul Gowda	34. Shehreen Siddiqui	14. Daris Javed	34. Maria (Hemmi) Song	14. Daniel Goodenough	34. Claire Strauel
15. Bailey Hadley	35. Charlie Smith	15. Ren Katz	35. Laura Torre	15. Merrill Hart	35. Zeki Tan
16. Zachary Hansen	36. Drew Smith	16. Stephanie Leon	36. Taelynn Walton	16. Lauren HerrNeckar	36. Samantha Upson
17. Sebastian Haske	37. Adhvaith Sridhar	17. Sabrina Li	37. Evan Zelt	17. Daniel Hudson	37. Brian Van Lee
18. Zachary Joseph	38. Katie Stickels	18. Shannon Liang	38. Megan Zhou	18. Zi (Harry) Jjng	38. Kathy Wang
19. Zayd Khan	39. Mark Wang	19. Brandon Lu	39. Michelle Zhu	19. Merit Kayastha	39. Samantha Ye
20. Mehrail Lawendy	40. Yiwen Zhang	20. Becca Nelson		20. Saea Kim	

STUDENTS FROM THE FOLLOWING INSTITUTIONS ARE PARTICIPATING

- Emory University
- Harvard University
- Mayo Clinic (Rochester)
- Stanford University
- University of Alabama at Birmingham
- University of Arizona
- University of Texas Health Science Center at San Antonio
- University of Texas Southwestern
- University of Virginia
- University of Wisconsin-Madison
- Wake Forest University
- Yale University