

Welcome to WSU!

Summer Undergraduate Research 2023

Dr. Jeremy Lessmann

Director, Office of Undergraduate Research

Scholarly Associate Professor, Department of Chemistry



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

1

Welcome!

- Overview of who's here
- Introductions
- Expectations for summer
- Summer Schedule
- Communications



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

2

Summer 2023 Research Programs at WSU Pullman

Programs with an In-Person or Hybrid Format

The following programs will host students on the Pullman or, as noted, may have a hybrid format with in-person plus virtual/remote options.

AgAID Institute Summer Undergraduate Research Internship Electrical Engineering and Computer Science and partners (OSU, UConn, Iowa, Ag) Contact: Jordan Jobe Website: agaid.org/student-opportunities	Cartilage Tissue Engineering (In-person) School of Chemical Engineering and Bioengineering Contacts: Bernard Van Vae and Terrell Robertson
Cybersecurity Summer 2023 Two-week Workshop (In-person) School of Chemical Engineering and Bioengineering Contact: Bernard Van Vae	Environmental Engineering: Measurements and Modeling in the Pacific Northwest (In-person) Dept. of Civil and Environmental Engineering Contact: Shelley Pressley Website: ceee.wsu.edu/undergraduates
Hemp Research Internship (In-person) WOU's hemp program and partners (local hemp innovation center at Oregon State University, University of California - Davis, University of Nevada - Reno) Contact: David R. Gang	Improving Crop Resiliency: Agriculture in Changing Climate (In-person) Institute of Biological Chemistry Contacts: Matthew Peck or Andre Smertenko
Phenomics Big Data Management Dept. of Biological Systems Engineering Contact: Sindhuja Sankaran Website: ids.wsu.edu/sankaran-phenomics	Plant Cell Biology and Biochemistry (In-person) Institute of Biological Chemistry Contact: Andre Smertenko
Research in Interdisciplinary STEM Education (RISE) (In-person) Contact: Erika Offerdahl Website: ids.wsu.edu/riase	Stakeholder Informed Modeling of Innovations in the FEW (In-person) Center for Environmental Research, Education, and Outreach Contact: Lila Padonisi Website: ceee.wsu.edu/few-stakeholder-few-innovations
Sustainable High-value Horticulture and Processing Center for Sustaining Agriculture and Natural Resources Contact: Doug Collins	Waves in the Universe and Technology Dept. of Physics and Astronomy Contact: Brian Collins Website: physics.wsu.edu/research/uw



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

3

Who is here this summer?

In 11 research programs, we have:

82 students participating

From **50** different institutions

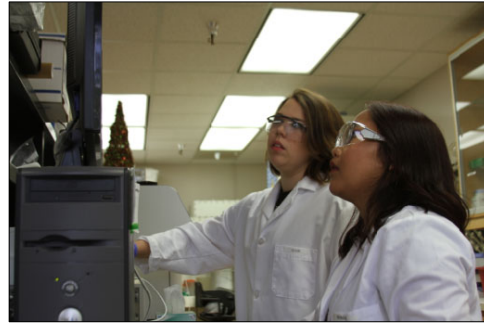
Located in **23** different states



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

4

Students, introduce yourselves!
Tell us your name and where you are from



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

5

So, why did you sign up to do this?



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

6

Why do you (students) want to do this?

- Experience?
- Resume?
- Make a difference?
- Challenge?
- Future career options?
- Graduate school?
- Interaction with faculty?
- Travel and presentations?
- Meeting leaders in the field?



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

7

Undergraduate Research has Four Components

1. Mentorship

Be supervised by a faculty member

2. Originality

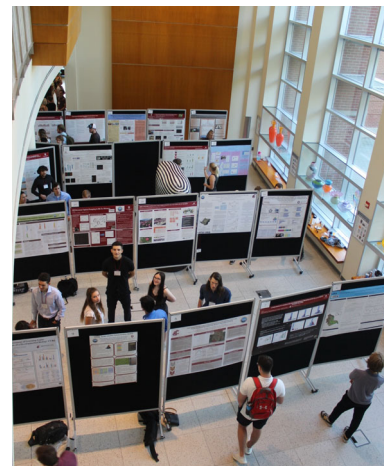
Have a novel component with meaningful contribution from the student

3. Acceptability

Employ techniques or methods that are appropriate for the discipline

4. Dissemination

Have a plan to share your results with the broader field and the community



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

8

What other “things” will you get this summer?

- The opportunity to interact, learn, and research next to peers, collaborators, graduate students, faculty, etc., and develop a rich network of friends
- The opportunity to “try out” graduate school and research as a possible career choice
- A fun and exciting summer with other students involved in research
- MANY open doors if you choose to go through them



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

9

For Example...

• Professional Development Workshops

Every Thursday, 11:00 – 12:00, in CUE 405 and on zoom!

- June 8: Library Research (*with Emily Cukier, Science Librarian*)
- June 15: Graduate School, learn the ins and outs of applying to graduate school (*with Raymond Herrera, Associate Vice Provost, Graduate School*)
- June 22: Topic TBA
- June 29: Resume/CV – Part 1, learn how to create an effective resume/CV (*with Harrison Hughes, Career Coach*)
- July 6: Resume/CV – Part 2, bring your resume/CV to receive feedback (*with Harrison Hughes, Career Coach*)
- July 13: How to Write an Abstract (*with Jeremy Lessmann, Director, Undergraduate Research*)
- July 20: How to Create a Research Poster (*with Jeremy Lessmann, Director, Undergraduate Research*)
- July 27: Top Ten Tips for Scholarship Essays (*with April Seehafer, Director, Distinguished Scholarships*)

• Summer Research Symposium

- An opportunity to disseminate your research findings – the culmination of summer research!



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

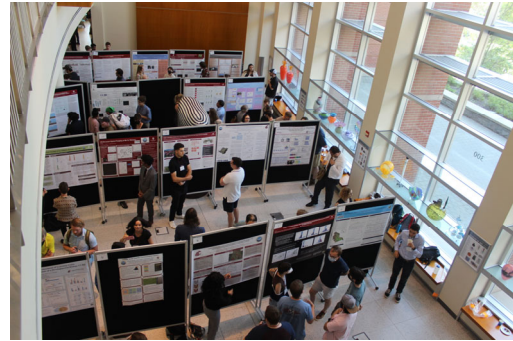
10

Summer Research Symposium

Friday, August 4 in CUE Atrium

- 8:00am – 9:00am
Check-in and poster set-up
 - Posters need to be up and ready to go before 9:00am
- 9:00am – 10:00am
Welcome and keynote speaker in CUE 203
- 10:00am – 1:00pm
Students are at their posters, available to discuss their research and to answer questions
 - 11:30am – 12:30pm
Staggered lunch is provided for student researchers
- 1:00pm – 2:00pm
Put posters away and tear down event

Additional information will be sent later in the summer!

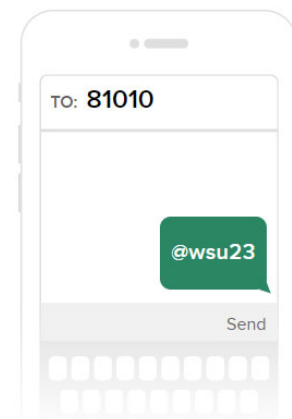


WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

11

Communication

- Emails
 - We will email everyone throughout the summer from ug.research@wsu.edu
- Texts (from Remind.com for event reminders)
 - Two ways you can sign up to receive text notifications (choose one):
 - Go to: www.remind.com/join/ws23
 - Text @wsu23 to the number 81010



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

12

What's Next?

- Highlights of big picture things happening on campus for Pullman students
- Group photo, followed by individual program group photos
 - Enjoy more refreshments
 - Get to know your fellow student researchers
 - After photos, you are free to go!



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

13



Thank you and welcome to Pullman!

We are excited you are here!



WASHINGTON STATE UNIVERSITY
Division of Academic Engagement
and Student Achievement

14