**2022 Heritage University National Science Foundation Research Experiences for Undergraduates (**[**HU NSF REU**](https://heritage.edu/academic-paths/special-programs/hu-nsf-reu/)**)**

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**Rank your research area and location of interest (see attached information below and nest page for details on possible research labs):** Mark **1** as your first choice, **2** for second choice, etc.

**USDA-ARS, Wapato, WA**

\_\_\_ Dr. Rodney Cooper <https://www.ars.usda.gov/people-locations/person/?person-id=43467>

\_\_\_ Dr. Gina Angelella <https://www.ars.usda.gov/people-locations/person/?person-id=55744>

**Fred Hutchinson Cancer Research Center, Seattle, WA**

\_\_\_ Dr. Jihong Bai, neuroscience in *C. elegans*, <https://research.fhcrc.org/bai/en.html>

**Oregon State University’s Biochemistry and Biophysics Program, Corvallis, OR.**

\_\_\_ [Dr. Michael Freitag, epigenetics, a panel of histone H3 mutations to investigate centromere maintenance and gene silencing](https://biochem.oregonstate.edu/content/michael-freitag)

\_\_\_ [Dr. Adrian Gombart, Nutritional regulation of the cathelicidin antimicrobial peptide gene](https://lpi.oregonstate.edu/faculty-staff/adrian-gombart)

\_\_\_ [Dr. Elisar Barbar, Ph.D., Structural biology of dynamic protein complexes](http://biochem.science.oregonstate.edu/content/elisar-barbar)

\_\_\_ [Maria C. Franco, Ph.D., Biochemistry of Tumors of the Nervous System](http://biochem.science.oregonstate.edu/content/maria-c-franco)

\_\_\_ [David Hendrix, Ph.D., Biochemistry of Hop cones](https://biochem.oregonstate.edu/content/david-hendrix)

\_\_\_ [Victor Hsu, Ph.D., Biomolecular recognition and binding of receptor-drug complexes](http://biochem.science.oregonstate.edu/content/victor-hsu)

\_\_\_ [Colin Johnson, Ph.D., Wound repair, neurotransmitter release and neuronal signaling](http://biochem.science.oregonstate.edu/content/colin-johnson)

\_\_\_ [Afua Nyarko, Ph.D., Specificity and selectivity in WW domain proteins](https://biochem.oregonstate.edu/content/afua-nyarko)

[*Click here for detailed descriptions of OSU research opportunities*](https://heritage.edu/wp-content/uploads/2020/01/NSFREU_Summer_OSU_BB_1-23-2020.docx)

**Washington State University at Prosser, Prosser, WA.**

\_\_\_ Dr. Naidu Rayapati <http://wine.wsu.edu/faculty/naidu-rayapati/>

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**Western Washington University’s Biology Department, Bellingham, WA**

\_\_\_ Dr. Lina Dahlberg, cell biology in *C. elegans* <http://faculty.wwu.edu/dahlbec/>

\_\_\_ Dr. Suzanne Lee, cell biology *Tetrahymena*  <https://biology.wwu.edu/people/lees65>

\_\_\_ Dr. Dan Pollard, genomics <http://danielpollard.com/research.html>

\_\_\_ Dr. Lynn Pillitteri, plant genetics <https://biology.wwu.edu/people/pillitl>

\_\_\_ Dr. Adrienne Wang, cell biology in *Drosophila* <https://biology.wwu.edu/people/wanga5>

\_\_\_ Dr. Jaqueline Rose, mechanisms of neuronal plasticity in development, learning, memory

<https://wp.wwu.edu/roselab/>

**University of Puget Sound, Department of Biology, Tacoma, WA**

updated 2022 UPS REU research descriptions [here](https://docs.google.com/document/d/16BVjG__OIIHTzGoNAvQgvqficxBr3GzV/edit?usp=sharing&ouid=104949955795953763353&rtpof=true&sd=true)

\_\_\_ Dr. Andreas Madlung, plant genetics [Andreas Madlung | University of Puget Sound](https://www.pugetsound.edu/directory/andreas-madlung)

\_\_\_ Dr. Oscar Sosa, microbial oceanography [Oscar Sosa | University of Puget Sound](https://www.pugetsound.edu/directory/oscar-sosa)

\_\_\_ Dr. Stacey Weiss, microbial and behavioral ecology of animals, Bear Canyon ecology research [Stacey Weiss | University of Puget Sound](https://www.pugetsound.edu/directory/stacey-weiss)

\_\_\_ Dr. Leslie Saucedo, Investigating the roles of antioxidants in cancer.

[Leslie Saucedo | University of Puget Sound](https://www.pugetsound.edu/directory/leslie-saucedo)

\_\_\_ Dr. Rachel Pepper, fluid mechanics in biology

[Rachel Pepper | University of Puget Sound](https://www.pugetsound.edu/directory/rachel-pepper)

**Heritage University, Toppenish, WA**

\_\_\_ Dr. Bob Kao on cell biology and [phenotypic analysis](https://www.robertkaoscied.com/) of *Tetrahymena thermophila.*

[*https://www.robertkaoscied.com/2018/05/02/tetrahymena/*](https://www.robertkaoscied.com/2018/05/02/tetrahymena/)

\_\_\_ Dr. Alex Alexiades with Yakama Nation Fisheries, <https://www.heritage-inature.org/student-research>

\_\_\_ Dr. Jessica Black on environmental studies research, [research and CV link](https://heritage.edu/wp-content/uploads/2018/06/Black-Jessica-CV.pdf#_ga=2.257555339.1239645453.1602177362-1525176071.1564006688)