

Alaina Rousseau Petlewski
Curriculum Vitae
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Education

Geospatial Certificate Program

Cal Poly Humboldt, Arcata, CA

June 2024 - Present

M.S., Plant Biology

Cornell University, Ithaca NY

Graduated: May 2020

B.S., Botany; Minor: Chemistry

Humboldt State University, Arcata, CA

Graduated: May 2017, Summa Cum Laude

Employment History

Testing Administrator (seasonal)

Pearson Professional Center (Pearson Vue)

May 2022 - September 2022

Fresno, CA

Admit testing candidates, proctor computerized exams, and follow board specific guidelines to maintain integrity of testing environment

Teaching Assistant: Plant Biodiversity and Evolution

Professors: Dr. Karl Niklas and Dr. Margaret Frank

Fall 2018, Fall 2019

Cornell University

Lead lab section, tutor students during office hours, set up labs

Teaching Assistant: Vascular Plant Systematics

Professor: Dr. Jerrold Davis

Spring 2019

Cornell University

Lead lab section, tutor students during office hours, set up labs

Learning Lab Tutor

Supervisor: Cai Stuart-Maver

January 2017 – May 2017

Humboldt State University

Tutor students in general study skills and science classes

General Botany Lab Preparator

Supervisors: Courtney Otto and Dr. Mihai Tomescu

November 2014 – May 2017

Humboldt State University

Prepare, maintain, and manage materials for all general botany labs

Mentor Experience

BTI Plant Genome Research Program Internship Mentor

Summer 2019

Mentored an undergraduate research student; project title: Exploring the bacterial endophyte communities of Lycopodiaceae

Publications

Wayman, K.A., M.J. Reilly, and **A.R. Petlewski**. Taxonomic insights from floral scents of western North American sessile-flowered *Trillium*. *American Journal of Botany*. 110 (12): December 2023.

Petlewski, A.R., D.A. Hauser, M. Kim, J. Schmutz, J. Grimwood, and F.-W. Li. Re-evaluating the Systematics of *Dendrolycopodium* using restriction-site associated DNA-sequencing. *Frontiers in Plant Science*. 13. June 2022.

Petlewski, A.R., A. Patterson, and F.-W. Li. Characterizing culturable bacterial endophytes of five Lycopodiaceae species. *American Fern Journal*. 112 (2): 79-92. April 2022.

Petlewski, A.R. and Li, F.-W. Ferns : the final frond-tier in plant model systems. *American Fern Journal*. 109 (3) : 192-211. September 2019.

Skills

- Basic map production and data analysis in ArcGIS Pro
- Verbal and written communication
- Microsoft Office proficiency
- Documentation and organization
- Data compilation
- Proof-reading and editing
- Problem solving
- Test writing and grading
- Inkscape/SVG editing proficiency