

Joseph A. Kleinkopf

Ph.D. Student | Marx Lab | University of New Mexico
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Education

- 2026 (expected) **Ph.D., Biology**, University of New Mexico, Albuquerque, NM
Primary Advisor: Dr. Hannah Marx
Dissertation Committee: Drs. Hannah Marx, Mike Andersen, Ken Whitney
- 2019 **M.Ed., Secondary Science Education**, University of Massachusetts, Boston, MA
- 2018 **M.S., Plant Biology**, Washington State University, Pullman, WA
Primary Advisor: Dr. Eric Roalson
Thesis Committee: Drs. Larry Hufford, Joanna Kelley, Warren Wagner (Smithsonian Institute)
- 2015 **B.A., MCDB and Japanese**, University of Colorado, Boulder, CO

Research

- 2021- **Alpine Plant Community Phylogenetics**, University of New Mexico
Testing biogeographical hypotheses of alpine plant communities in the summits of the Cascade Range, WA
- 2016-2018 **Systematics of Hawaiian *Cyrtandra***, Roalson Lab, Washington State University
*Tested for Hybridization in Hawaiian *Cyrtandra* using Genome-Wide Data*
- 2017 **Graduate Assistant**, Department of Biology, Washington State University
Surveyed floral diversity at the Hudson Biological Reserve at Smoot Hill
- 2014-2015 **Aberrant Plant Diversity**, Tripp Lab & COLO Herbarium, University of Colorado
Tested for genetic differentiation in morphologically aberrant forms of Purgatory plant species

Publications and Presentations

Publications

2. **Kleinkopf, J.A.**, W.R. Roberts, W.H. Wagner, E.H. Roalson. 2019. *Diversification of Hawaiian *Cyrtandra* (Gesneriaceae) under the influence of incomplete lineage sorting and hybridization*. Journal of Systematics and Evolution. 57(6). DOI: 10.1111/jse.12519
1. **Kleinkopf, J.A.**, D.A. Clark, and E.A. Tripp. 2017. *Aberrant Plant Diversity in the Purgatory Watershed of Southeastern Colorado and Northeastern New Mexico*. Western North American Naturalist. 77(3). DOI: 10.3398/064.077.0307

Presentations

- *Testing a Hypothesis of Alpine Plant Community Assembly in the Cascades Range of Washington State*. Poster presentation. Botany Conference. Anchorage, AK. July 2022 (expected).
- *Detecting Hybridization in Hawaiian *Cyrtandra* using Genome-Wide Data*. Poster presented at Washington State University Biology Graduate Student Symposium. Moscow, ID. March 2018.

Teaching

- 2019-2021 **Science Teacher**, Salish Middle School, North Thurston Public Schools, Lacey, WA
6th Grade Earth and Space Science
6-8th Grade Advisory
- 2018-2019 **Resident Teacher**, Boston Teacher Residency, Boston Plan for Excellence, Boston, MA
10th Grade Biology
11th/12th Grade Anatomy and Physiology
- 2016-2018 **Graduate Teaching Assistant**, Washington State University, Pullman, WA
General Biology and Lab (BIOL 102 and BIOL 105) F2016, S2017, F2017, S2018
- 2013 **Undergraduate TA**, Science Discovery, University of Colorado, Boulder, CO
K-12 Science Summer Camp Teaching Assistant

Fellowships and Grants

- Student Research Grant**, Graduate and Professional Students Association, University of New Mexico, \$500, 2022
This research grant was awarded to me to offset costs of attending and presenting at the Botany Conference in Anchorage, Alaska, July 24-27, 2022.
- Alvin R. and Caroline G. Grove Summer Research Scholarship**, University of New Mexico, \$1800, 2022
This summer research scholarship was awarded to me for collections materials as well as travel to field sites for the observation and collection of alpine plants.
- NSF Museum Research Training Fellowship**, University of New Mexico, \$45750, 2021-2022
An interdisciplinary program focused on the use, curation, and ethics of museum collections in science. This fellowship provided one year's salary and allowed me to focus on studies and research.
- Higinbotham Travel Grant**, Washington State University, \$2200, 2017- 2018
*This travel grant was awarded to me for travel to the Islands of Hawaii for observation and collection of Hawaiian *Cyrtandra* (*Gesneriaceae*) species.*

Honors and Awards

- EBIO Undergraduate Scientist Feature**, University of Colorado, 2015
- Phi Beta Kappa Honors Society**, University of Colorado, 2014

Service and Outreach

Outreach

- 2022-2023 **Undergraduate Policy Committee Representative**, BGSA, UNM
- 2021 **Reviewer**, GRAC Grant Proposals, BGSA, UNM
- 2020-2021 **Equity Committee Co-Head**, Salish Middle School, North Thurston Public Schools
- 2020-2021 **Organizer**, Skype-a-Scientist (Organized scientist Zoom interviews with my students)
- 2017 **Community Outreach Volunteer**, Outdoor Day, BGSA, WSU

Mentored Students

- 2017 **Mara Huang**, Undergraduate, Phoenix Conservancy Intern, Pullman, WA
- 2017 **Tia Prudholm**, Undergraduate, Phoenix Conservancy Intern, Pullman, WA

Professional Society Membership

- Botanical Society of America (BSA)
- American Society of Plant Taxonomists (ASPT)
- Alpine Botany Reading Group

References

- **Dr. Hannah Marx**
hmarx [at] unm.edu
Assistant Professor, Herbarium Curator at the Museum of Southwestern Biology
University of New Mexico, Albuquerque, NM
- **Dr. David Giblin**
dgiblin [at] uw.edu
Herbarium Collections Manager, Burke Museum
University of Washington, Seattle, WA
- **Dr. Eric Roalson**
eric_roalson [at] wsu.edu
Professor, Director of Marion Ownbey Herbarium
Washington State University, Pullman, WA
- **Dr. Warren Wagner**
wagnerw [at] si.edu
Research Botanist and Curator of Botany
Smithsonian Institute, Washington, D.C.