

JOHN M. A. WOJAHN

After I graduate from my doctoral program I hope to enter into a postdoctoral research position.

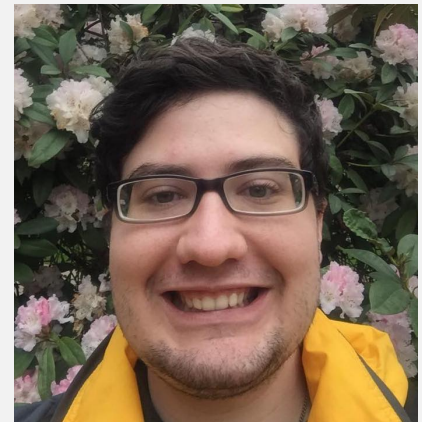
My research interests include evolutionary plant biology, genomics, bioinformatics software development, and reproducible science.

EDUCATION

- Present | 2020
- Boise State University**
PhD in Ecology, Evolution, and Behavior Emphasis in Global Change
Boise, Idaho, USA
Major Advisor: Sven Buerki; Co-Advisor: Martin W. Callmander
 - Boise State University**
MS in Biology
Boise, Idaho, USA
Major Advisor: Sven Buerki
 - Oregon State University**
BS in Marine Biology (Honors, with Minor in French)
Corvallis, Oregon, USA
Major Advisor: Byron C. Crump
 - Oregon State University**
BS in Microbiology (Honors, with Minor in Chemistry)
Corvallis, Oregon, USA
Major Advisor: Byron C. Crump

RESEARCH EXPERIENCE

- Present | 2020
- EPSCoR Graduate Research Assistant**
Boise State University, Buerki Lab
Boise, Idaho, USA
 - Provider of bioinformatics programming support for the GEM3 project in Sven Buerki's lab
 - Developed bioinformatics tools for the GEM3 community
 - Doctoral Student Researcher**
Boise State University, Buerki Lab
Boise, Idaho, USA
 - Investigated the reproducibility of collections and DNA sequences in biodiversity hotspots
 - Examined phylogenomics of members of the Pandanaceae



CONTACT INFO

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🐙 github.com/wojahn
🐦 [J_M_A_Wojahn](https://twitter.com/J_M_A_Wojahn)
☎ +1 208-340-8626

SKILLS

💡 **Research:** Reproducible Science, Phylogenomics, Botany, Computational Biology
💻 **Programming:** R (Software Developer), C/C++, RMarkdown, Python, LaTeX, Bash, Git, GitHub, UNIX, LINUX, Beowulf Clusters, Neural Networks/Artificial Intelligence
🧪 **Laboratory:** DNA/RNA Extraction, PCR, DNA/RNA Quantification, Morphometry, Cultivation
🗣 **Languages:** English, French
👤 **Notary:** Comm. 67582

- 2020
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2017
- **Masters Student Researcher**
Boise State University, Buerki Lab 📍 Boise, Idaho, USA
 - Investigated the reproducibility of collections and DNA sequences in biodiversity hotspots
 - Went on expedition to Madagascar with Sven Buerki to survey forest
- 2016
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2013
- **Undergraduate Research Assistant**
Oregon State University, Crump Lab 📍 Corvallis, Oregon, USA
 - Investigated the microbiome of *Zostera marina* and *Zostera japonica*
 - Collected samples on research cruises off the Oregon coast, on the Columbia River, and in the Arctic Ocean
- Winter
2012
- **Undergraduate Intern**
Oregon Department of Fish and Wildlife 📍 Corvallis, Oregon, USA
 - Dissected juvenile Pacific Salmon to remove kidneys for ELISA analysis
- Spring
2012
|
Winter
2011
- **Undergraduate Intern**
Oregon State University Hatfield Marine Science Center 📍 Newport, Oregon, USA
 - Enumerated fish eggs for Itchung Cheung



PEER-REVIEWED PUBLICATIONS

- 2021
- **G2PMineR: A Genome to Phenome Literature Review Approach**
Genes. 12:293 <https://doi.org/10.3390/genes12020293> 📍 Basel, Switzerland
Wojahn JMA, Galla SJ, Melton AE, Buerki S
- Accd.
2019
- **Molecular systematics and biogeography of the angiosperm flora of Madagascar**
The New Natural History of Madagascar. Princeton University Press. 2022 📍 Princeton, Massachusetts, USA
Wojahn JMA, Callmander MW, Lowry PP, Buerki S
- Accd.
2019
- **Phylogenetic insights into the systematics of Sapindaceae in Madagascar: How have things advanced since Capuron published his family treatment in 1969?**
The New Natural History of Madagascar. Princeton University Press. 2022 📍 Princeton, Massachusetts, USA
Buerki S, Philipson P, Lowry PP, Wojahn JMA, Andriambololonera S, Callmander MW
- 2018
- **Metatranscriptomics and amplicon sequencing reveal mutualisms in seagrass microbiomes**
Frontiers in Microbiology. 2018 9:388 <https://doi.org/10.3389/fmicb.2018.00388> 📍 Lausanne, Switzerland
Crump BC, Wojahn JMA, Tomas F, Mueller RS

Hobbies

Guitar
Bonsai
Drawing/Engraving
Weightlifting
Dogs
Gardening
Traveling
Walking

Scholar Metrics

Citations: 36
h-index: 1
i10-index: 1
RG Score: 5.16



TEACHING EXPERIENCE

Summer
2021

- **EPSCoR GEM3 Summer Academic Research Experience Mentor**

Instructor of R and Laboratory Techniques for EPSCoR GEM3 Summer Academic Research Experience (SARE) Class at Boise State University

📍 Boise, Idaho, USA

Spring
2021

- **Vertically Integrated Projects Mentor**

Instructor of R and Data Mining Techniques for Sven Buerki's Vertically Integrated Projects (VIP) course at Boise State University

📍 Boise, Idaho, USA

Summer
2020

- **EPSCoR Research Technician 2/Bioinformatics Instructor**

Instructor of R and Data Mining Techniques for Summer Academic Research Experience (SARE) Class at Boise State University

📍 Boise, Idaho, USA

2020
|
2018

- **Graduate Teaching Assistant**

Introductory Cell and Molecular Biology Lab Instructor at Boise State University

📍 Boise, Idaho, USA

2015
|
2013

- **Undergraduate Teaching Assistant**

Assisted in teaching introductory French to 7th grade students at Cheldelin Middle School

📍 Corvallis, Oregon, USA



GRANTS

2014

- **University Honors College DeLoach Work Scholarship**

Oregon State University

📍 Corvallis, Oregon, USA

• \$1000



POSTERS AND PRESENTATIONS

2021

- **Testing the Reproducibility of Collection and Sequencing Efforts for the Biodiversity Hotspot Flora and Producing a Phylogeny of the Pandanaceae to Assess Evolutionary Distinctiveness and Risk of Extinction**

Poster for 2021 Graduate Proposal Showcase 📍 Boise, Idaho, USA

Wojahn JMA, Callmender MW, Smith J, Novack S, Buerki S

2020

- **G2PMineR: A genome to phenome literature review approach**

Poster for 2020 GEM3 Annual Meeting

📍 Boise, Idaho, USA

Wojahn JMA, Galla SJ, Buerki S

2018

- **Developing a rapid plant community survey for use in biodiversity hotspots**

Poster for the Forum on Biodiversity of Global Hotspots

📍 Boise, Idaho, USA

Wojahn JMA, Buerki S



DIVERSITY, EQUITY, AND INCLUSION

Summer
2021



Summer Authentic Research Experience (SARE)

Mentored minority and first-generation undergraduates

📍 Boise, Idaho, USA

Summer
2020



Summer Authentic Research Experience (SARE)

Mentored minority and first-generation undergraduates

📍 Boise, Idaho, USA

2019



Plant identification for people with visual impairments

Posted an accessible guide on plant identification for people with visual impairments online at

<https://wojahn.github.io/AccessiblePlantID/>

📍 Boise, Idaho, USA



LEADERSHIP

2019-
2020



Vice President

Ecological Research Association

📍 Boise, Idaho, USA

Department of Biological Sciences graduate student social and professional development association