

# JOHN M. A. WOJAHN

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

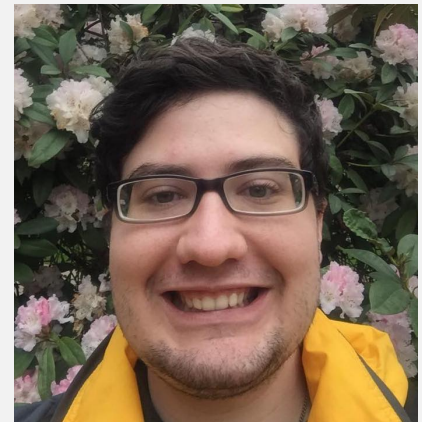
My research interests include evolutionary plant biology, genomics, bioinformatics software development, and reproducible science.

## 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
- 2020 | 2018
- Boise State University**  
MS in Biology  
Boise, Idaho, USA  
Major Advisor: Sven Buerki
- 2016 | 2011
- Oregon State University**  
BS in Marine Biology (Honors, with Minor in French)  
Corvallis, Oregon, USA  
Major Advisor: Byron C. Crump
- 2016 | 2011
- 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
- Present | 2020
- 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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ResearchGate [John\\_Wojahn](https://www.researchgate.net/profile/John_Wojahn)

🐙 [github.com/wojahn](https://github.com/wojahn)

🐦 [J\\_M\\_A\\_Wojahn](https://twitter.com/J_M_A_Wojahn)

📞 +1 208-340-8626

For more information, please contact me via email

## SKILLS

💡 **Research:** Reproducible Science, Phylogenomics, Botany, Computational Biology

💻 **Programming:** R, C/C++, RMarkdown, Python, LaTeX, Bash, Git, GitHub

🧪 **Laboratory:** DNA Extraction, PCR, RNA Extraction, Cultivation

🗣️ **Languages:** English, French

👤 **Notary:** Comm. 67582

*Last updated on 2021-04-07.*

2020  
|  
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  
|  
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



## 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



## TEACHING EXPERIENCE

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

## Hobbies

Guitar

Bonsai

Drawing/Engraving

Weightlifting

Dogs

Gardening

Traveling

Walking

## Scholar Metrics

Citations: 36

h-index: 1

i10-index: 1

RG Score: 5.16

- 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 Teaching Assistant 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  
 • \$1000  
 📍 Corvallis, Oregon, USA

## 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, Callmander 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

- 2020-present
  - Vertically Integrated Projects (VIP)**  
 Mentored undergraduates within the framework of addressing larger research questions  
 📍 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 impairment**

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