

# JOHN M. A. WOJAHN

In a few years I will be searching for a postdoctoral position

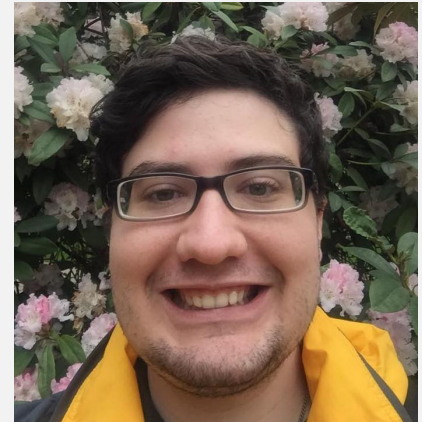
I am broadly interested in plant evolution, bioinformatics, and reproducible science

## EDUCATION

- Present | 2020
- Boise State University**  
PhD in Ecology, Evolution, and Behavior Emphasis in Global Change  
Boise, Idaho, USA  
Equal Co-Advisors: Sven Buerki and 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 2021-04-01.*

- 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



## 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
- 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 📍 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

## Hobbies

Guitar  
 Bonsai  
 Drawing/Engraving  
 Weightlifting  
 Dogs  
 Gardening  
 Traveling  
 Walking

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



## PEER-REVIEWED PUBLICATIONS

2021 ● **G2PMineR: A Genome to Phenome Literature Review Approach**  
Genes. 12:293 ● 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 ● Lausanne, Switzerland  
Crump BC, Wojahn JMA, Tomas F, Mueller RS



## DIVERSITY, EQUITY, AND INCLUSION

2020-present ● **Vertically Integrated Projects (VIP) DEI**  
Introduced R and data mining techniques to undergraduates within the framework of addressing larger research questions ● Boise, Idaho, USA

Summer 2020 ● **Summer Authentic Research Experience (SARE) DEI**  
Introduced R and data mining techniques to minority and first-generation undergraduates ● Boise, Idaho, USA

## Scholar Metrics

Citations: 36

h-index: 1

i10-index: 1

RG Score: 5.16

2019



**Plant identification for people with visual impairment**

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

<https://github.com/wojahn/AcessiblePlantID>

📍 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