

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
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2018
- **Boise State University**
MS in Biology
📍 Boise, Idaho, USA

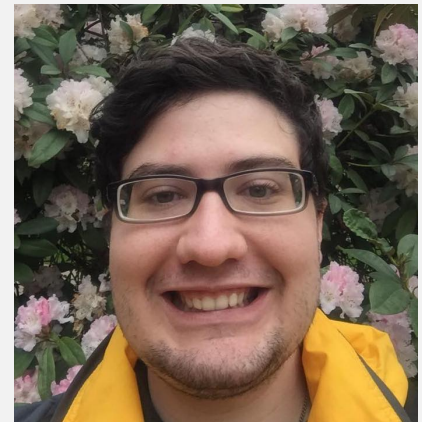
Major Advisor: Sven Buerki
- 2016
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2011
- **Oregon State University**
BS in Marine Biology (Honors, with Minor in French)
📍 Corvallis, Oregon, USA

Major Advisor: Byron C. Crump
- 2016
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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
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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

🐦 [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
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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



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