

JOHN M. A. WOJAHN

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

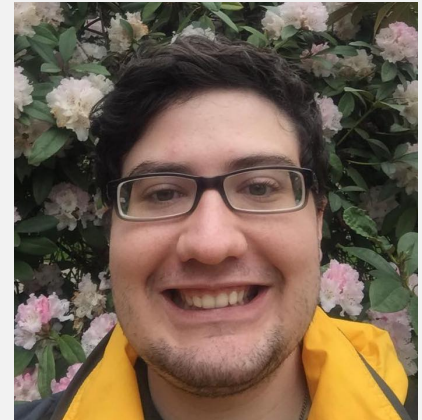
My research interests include evolutionary plant biology, genomics, bioinformatics software development, and reproducible science.

EDUCATION

- Present
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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
|
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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🐙 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
|
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



TEACHING EXPERIENCE

Fall 2021



Designed G2PMineR Lab Section

Developed a new lab section for BIOL 304 Evolution and Ecology course at Boise State University based on the G2PMineR literature review package that will be made publicly available on the GEM3 website. Supervised by Sarah Dalrymple.

📍 Boise, Idaho, USA

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
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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

CERTIFICATIONS

- 2021 ● **Boating Safety Certificate (Boating License)**
Commonwealth of Massachusetts Environmental Police
Manchester-by-the-Sea, Massachusetts, USA
- 2018 ● **Multi-Passenger Van Training**
Boise State University
Boise, Idaho, USA
- 2017 ● **Notary Public Training**
Secretary of State, State of Idaho
Boise, Idaho, USA
- 2011 ● **PADI Rescue Diver**
Certified by Dive Magic, Inc.
Boise, Idaho, USA
- 2011 ● **DAN Oxygen First Aid for Scuba Diving Injuries**
Certified by Divers Alert Network
Boise, Idaho, USA
- 2010 ● **EFR-Primary Care (CPR) & Sec Care (1st Aid)**
Certified by Dive Magic, Inc.
Boise, Idaho, USA
- 2010 ● **PADI Enriched Air Diver**
Meets ISO 11107 Enriched Air Nitrox Diving Standard
Boise, Idaho, USA
- 1998 ● **American Red Cross Swimming Training**
Instructor: Annie Endo
Misawa, Aomori Prefecture, Japan



HOBBIES

- Guitar
- Bonsai
- Drawing/Engraving
- Weightlifting
- Dogs
- Gardening
- Traveling
- Walking