

Postdoctoral Researcher Opportunity in Plant Evolutionary Ecology at Michigan Technological University

I have funding for a Postdoctoral Researcher to join my lab group (Erika Hersch-Green) in the department of Biological Sciences at Michigan Tech University. The successful candidate will contribute to research in alignment with an NSF-funded project ([link to full abstract](#)), which aims to understand whether and how nutrient availabilities affect plants differently based upon their genome sizes and whether this contributes to the structuring of biodiversity patterns from the molecular and functional attributes of organisms to multispecies assemblages. Our field work is done locally (<https://youtu.be/H6MtEnAlyi0>) and in collaborations with national and international scientists (see: <https://nutnet.org/home> OR <https://dragnetglobal.weebly.com/>).

Position Details

- The postdoctoral researcher will be integrally involved in the design and implementation of transcriptome/greenhouse experiments and/or field experiments, data analysis and manuscript preparation of newly collected and back-logged data, presentations at conferences, collaborative workshops and discussions, the mentoring of students, and outreach activities.
- Our research group values diverse perspectives and a healthy work-life balance, and I am specifically looking for a postdoctoral researcher that will take work seriously and support and maintain a respectful, enjoyable environment for everyone.
- The anticipated start date is Spring 2024, but this is negotiable.
- The position is for 1 year with a potential extension up to 18 months and includes a minimum salary of \$55,000 plus benefits.

Qualifications

- **Required: (1)** A Ph.D. in ecology, evolution, environmental science, molecular genetics, or a closely related field (completed before start date). **(2)** Substantial experience in field biology or genomics research including bioinformatic skills. **(3)** Excellent writing, presentation, and statistical analysis skills and a publication record commensurate with time since degree completion.
- **Desired: (1)** Experience mentoring students, managing dynamic projects and maintaining successful collaborations. **(2)** Clear communication skills, evidence of outreach and collaboration, and dedication to making science welcoming to everyone.

Application Procedures: If you are qualified and interested in this opportunity, please contact Dr. Erika Hersch-Green via email (eherschg@mtu.edu) and include in a single PDF the following: (1) a cover letter summarizing research interests, professional experience, and career goals, (2) a CV including a complete list of publications, and (3) contact information for three professional references. **Review of applications will begin January 31, 2024**, and the position will remain open until filled. Individuals from traditionally excluded groups in science and higher education are encouraged to apply.

Location: Michigan Tech is located in Houghton, MI on the south shore of Lake Superior. This area is known for its natural beauty, pleasant summers, abundant snowfall, and numerous all-season outdoor activities. The University maintains its downhill and cross-country ski facilities adjacent to campus and a nearby golf course. Numerous cultural activities and opportunities are available on campus and in the community. Links for more information about the university and its surrounding area: Michigan Tech Home Page (<http://www.mtu.edu>), Dept. of Biological Sciences (<http://www.mtu.edu/biological/>), Research Centers (<https://www.mtu.edu/research/about/centers-institutes/>), Recreation/Things to do (<http://www.mtu.edu/recreation>, <https://www.keweenaw.info/attractions/>, <http://visithoughton.com/attractions-entertainment/>).

Michigan Tech is proud to be an ADVANCE Institution that has thrice received National Science Foundation support to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM. (see <https://www.mtu.edu/advance/>). Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer, that provides equal opportunity for all, including protected veterans and individuals with disabilities.