

### Assistant Professor Fixed Term

**Job no:** 736159

**Work type:** Faculty/Academic Staff

**Major Administrative Unit / College:** College of Agriculture and Natural Resources

**Department:** Department of Fisheries and Wildlife

**Sub Area:** FAS- Faculty/Academic Staff

**Salary:** Salary Commensurate with Experience

**Location:** East Lansing

**Categories:** Research/Scientific, Fixed Term Faculty, Full Time (100%)

### Working/Functional Title

Assistant Professor Fixed Term

### Position Summary

We seek a cell and molecular biologist/geneticist/biochemist with demonstrated expertise in genome editing/genetically modified animals to join the laboratory of Dr. Weiming Li (<https://www.lilabmsu.com/>) in the Department of Fisheries & Wildlife at Michigan State University (MSU). The successful applicant will lead our research effort on the genetically modified sea lamprey (GML) program, develop effective approaches to generate large numbers of GML potentially useful for sea lamprey management, and test relevant research ideas on surrogate models such as zebrafish and/or medaka. Candidates should have a broad background and deep knowledge in molecular biology, developmental biology/embryology, and bioinformatics. Candidates should have demonstrated skills and a track record in CRISPR (clustered regularly interspaced short palindromic repeats) applications.

MSU is one of the top research universities in the world and enjoys a park-like campus with outlying research facilities and natural areas. The campus is located in the city of East Lansing, adjacent to the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 450,000. Local communities have excellent school systems and place a high value on education. The University is proactive about its obligations under the ADA and provides individual accessibility plans to students and employees with disabilities. MSU is also proactive in exploring opportunities for employment for dual career families, both inside and outside the University, and respects all family forms. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>. Information about WorkLife at MSU can be found at <http://worklife.msu.edu/>.

Department of Fisheries and Wildlife is a vibrant community of scholars to build local, national, and international capacities to conserve ecosystems that support fish, wildlife, and society through integrated programs in research, education, and engagement (<https://www.canr.msu.edu/fw/about/>). The College of Agriculture and Natural Resources at MSU is committed to achieving excellence by creating and sustaining an accessible and inclusive culture that values cultural and academic diversity. We are an equal opportunity/affirmative action employer. The college is particularly interested in candidates of all backgrounds who are committed to the principle that academic excellence is achieved through open access and proactive inclusion.

*\*Leadership Team: CANR Dean (Hendrick), MABR Director (Buhler), MSUE Director (Dwyer), Associate Dean for Faculty and Administrative Affairs (Lang), Senior Associate Dean for Academic & Student Affairs (Millenbah), Associate Dean for Research (Smith), Associate Dean for Diversity, Equity and Inclusion (Tyler), and MSUE Institute Director, if MSUE funds are part of position support.*

**Responsibilities** The primary duties include developing proposals related to research in GML and in basic biology using sea lamprey and zebrafish as model systems, optimizing gene editing techniques and their applications in lamprey species, designing, coordinating, and conducting experiments, publishing research results, and drafting reports for funding agencies. Additional duties include coordinating research activities of research associates, students, and technicians, collaborating with visiting scientists, engaging with sea lamprey research and control community, providing service to the department and professional community, and advising graduate students.

### **Equal Employment Opportunity Statement**

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, disability or protected veteran status.

### **Required Degree**

Ph.D. in cell and molecular biology, genetics, biochemistry, or related fields in biology

### **Minimum Requirements**

Ph.D., with postdoctoral training and experience in genome editing/CRISPR research

### **Desired Qualifications**

- Excellent written and oral communication skills
- Experience and record in seeking extramural funding
- Familiarity with bioinformatics
- Experience or interest in working with undergraduate and graduate students, and postdoctoral research associates from a variety of backgrounds
- Experience working in a diverse environment
- Demonstrated participation in programs designed to promote inclusion
- A record of promoting inclusivity in academic work environments
- Research program that reflects the needs of minority or underserved populations

### **Required Application Materials**

(1) CV

(2) Cover letter

(3) Statement of research interests

(4) List of three references. The search committee will not contact references without first notifying the candidate.

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(5) Diversity, Equity, and Inclusion (DEI) statement: A statement of research philosophy that highlights your alignment with our desired qualifications and/or a summary of your experience with diversity in your research endeavors, any experience mentoring diverse students, and an explanation of how you will contribute to our goals of inclusive excellence.

### **Special Instructions**

Interested applicants should apply at <https://careers.msu.edu/en-us/listing/>

### **Review of Applications Begins On**

11/01/2021

### **Website**

<https://fw.msu.edu/>; <https://www.msulilab.com/>

### **Department Statement**

The Department of Fisheries and Wildlife is a vibrant community of scholars comprising >40 core faculty (tenure stream and fixed-term faculty, and academic specialists), 100 graduate and 240 undergraduate students, >30 research associates, and 6 core staff. Our Mission is to build local, national, and international capacities to conserve ecosystems that support fish, wildlife, and society through integrated programs in research, education, and engagement. We are committed to the integrative nature of natural resources conservation and management, with our expertise ranging from disciplinary areas with a long-standing history in the domain of fisheries and wildlife to those emerging more recently.

### **MSU Statement**

Michigan State University has been advancing the common good with uncommon will for more than 160 years. One of the top research universities in the world, MSU pushes the boundaries of discovery and forges enduring partnerships to solve the most pressing global challenges while providing life-changing opportunities to a diverse and inclusive academic community through more than 200 programs of study in 17 degree-granting colleges.

### **Review of Applications starts on 1 November 2021**

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