

Great Lakes Genetics/Genomics Laboratory, University of Toledo  
Lake Erie Center, Toledo, OH  
Closing Date: February 28, 2015  
Web Address: <http://www.utoledo.edu/nsm/lec/research/glgl/index.html>

#### Description

The research project is to help develop, test, and publish a Next-generation sequence assay for detecting and identifying all Great Lakes native and invasive fish species, including those anticipated to invade, from environmental DNA and plankton samples. The postdoctoral research associate will organize large DNA sequence databases, train and co-supervise students and technicians, and be thoroughly competent and experienced in bioinformatics, DNA extraction, PCR, DNA sequencing, and population genetic and systematic evolutionary data analyses.

#### Qualifications

Ph.D. degree required in hand. Publication of Ph.D. results in peer-reviewed journals required. Excellent recommendation from former advisors required. Teaching and supervisory experience preferred. Grant funding record preferred. Data management experience, bioinformatics, and data analysis experience in molecular phylogenetics and population genetics required. DNA extraction, PCR, DNA Sequencing (both Sanger and Illumina MiSeq), sequence alignment and GenBank experience required. Familiarity with QIIME, Unix/Linux operating systems and writing script in Perl is a plus. Strong communication (written, oral) skills required. Experience in working with fishes strongly preferred. Strong personnel interaction skills and experience in training others required. Oral research presentation experience at national or international scientific conferences required. Fish specimen collection experience –strongly preferred.

#### How to Apply

Send (1) cover letter, (2) CV, (3) 2 letters of reference, (4) copies of graduate and undergraduate transcripts via .pdf to Dr. Stepien at [carol.stepien@utoledo.edu](mailto:carol.stepien@utoledo.edu).

Competitive salary, full benefits. Beautiful well-funded lab (by NSF, USEPA, ARS, Sea Grant) on Lake Erie (with view) at Lake Erie Center field station 20-25 minutes from main University of Toledo campus. The Great Lakes Genetics Laboratory currently has another post-doc, 3 Ph.D. students, a full-time technician, and 2 undergraduate researchers. The University of Toledo is an Equal Access, Equal Opportunity, Affirmative Action Employer and Educator and is committed to increasing the diversity of our campus.

#### Contact

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