

Graduate student, post-doc, and technician positions available to investigate the genetics of invasiveness and herbicide resistance in aquatic plants



Description: Assist with a funded research project combining molecular genetics and field/greenhouse studies to investigate the genetic basis of growth and herbicide response of invasive aquatic plants. Field work will take place in Michigan inland lakes, and the position will be held at Montana State University. The key issue addressed is how best to manage genetically diverse aquatic plants, now that we know that different genotypes can exhibit vastly different growth and herbicide sensitivity. This research will facilitate adaptive management decision making by determining which alternative control tactics are likely to have the greatest efficacy on local populations based on their genetic composition.

Graduate student positions are a priority, but post-doc and technician applications will be considered.

Students are expected to develop independent or collaborative research under the overall research framework for their thesis. Publishable thesis chapters must be produced before receiving a degree.

Required qualifications: Successful applicants will be committed to, and passionate about, academic research and enthusiastically participating in academic culture. Applicants should be able to work both independently and collaboratively with other lab members and labs. This work will consist of long hours outside of business hours of operation, and travel.

Preferred qualifications: Experience with molecular genetics or field/laboratory techniques with aquatic plants – especially herbicide dose-response studies – is a plus, but not required.

Position is available immediately. Applicants should contact Dr. Ryan Thum by April 30, 2018 to guarantee consideration, and applicants will be considered until the position is filled.

Please call Dr. Ryan Thum at [406-994-4039](tel:406-994-4039), or email at ryan.thum@montana.edu