**Position description:**

A new collaborative project at the intersection of fungal ecology and comparative genomics is looking to hire postdoctoral researchers. This NSF-funded research program is a collaboration between the University of Michigan (Tim James lab: http://www.umich.edu/~mycology/) and the Joint Genome Institute (Igor Grigoriev lab: http://jgi.doe.gov/fungi). The project will specifically investigate the biodiversity, ecology, and genomics of the ubiquitous but uncultured fungal phylum known as Cryptomycota. Primary responsibilities may include collection and processing of field samples (including water, invertebrates, protozoa), quantitating and cataloging Cryptomycota diversity using molecular methods, isolation and microscopy of parasites, single cell genome sequencing, and bioinformatics including assembly and annotation, and training and mentoring of undergraduate students.

Minimum requirements are a Ph.D. in mycology, genomics, microbial ecology or related fields. The ideal candidate will have existing skills in two or more of the following: ecological analysis of next-generation sequence data, microscopy and dissection techniques, molecular biology, quantitative and standard PCR, phylogenetics, and comparative genomics. The initial appointments are for 1 year, with an opportunity for renewal for a second year. The positions are available immediately and will remain open until filled.

**To apply**:

Interested applicants should send a PDF with CV, a cover letter stating research interests and qualifications, and contact information for three references to tyjames@umich.edu. Informal inquiries are welcome.

The University of Michigan is a non-discriminatory/affirmative action employer. The Department of Ecology & Evolutionary Biology at the University of Michigan harbors multiple labs with a focus on evolutionary genetics (http://www.lsa.umich.edu/eeb).

Timothy Y. James

Assistant Professor & Curator of Fungi

Department of Ecology and Evolution

University of Michigan

Ann Arbor, MI 48109

734-615-7753

tyjames@umich.edu

<http://www.umich.edu/~mycology/>