Bioinformatics & Biodiversity
Undergraduate Workshop
July 27 – 30, 2015
University of New Hampshire, Durham, NH

Microscopic eukaryotes (*meiofauna* e.g. nematode worms, copepods, protists, fungi, etc.) are some of the most abundant animals on Earth, but species within these groups are often overlooked by the general public and even many biologists. This NSF-sponsored workshop will explore the field of environmental DNA sequencing, including collection and analysis of data. Students will learn how high-throughput approaches (rRNA gene surveys, metagenomics) are being used to investigate the biodiversity of microbial eukaryotes and deepen our knowledge of ecosystem function. The workshop will be a combination of lectures and practical exercises, where students will learn about traditional taxonomic approaches and also gain experience using the command line and bioinformatics tools to analyze environmental DNA datasets.

All applicants are expected to have taken, at minimum, an introductory college-level course in Biology. Successful applicants will receive a stipend to cover all costs including travel.

To apply, e-mail the following materials to eukhits@gmail.com by Monday April 13th:

- Curriculum Vitae (including contact details for references)
- Statement of Interest (indicating biology courses taken and how attending the workshop would benefit your long-term career goals; maximum length 1 page)
- Reference letters are recommended but not required.