



Title: Post-Doctoral Researcher, Molecular Ecology of Infectious Disease [multiple positions]

Location: University of Wisconsin-Madison, Madison, WI. [Madison](#) is a vibrant city rich in culture and surrounded by nature.

Principal Investigator: Dr. Tony Goldberg, Professor.

Description: The [Goldberg Lab](#) at the [University of Wisconsin-Madison](#) seeks highly motivated individuals to investigate the molecular ecology of infectious disease. Projects involve diverse systems, but all combine molecular methods with epidemiological and ecological study designs to address issues of importance to conservation and global health. Specific projects include: 1) infection and life history of wild non-human primates in Africa; 2) infectious causes of mass mortality in freshwater mussels and other aquatic and marine invertebrates; and 3) infection in freshwater and marine fishes to inform conservation and management. Applicants with interests in any of these areas are encouraged to apply; prior experience with these particular systems is not required.

Responsibilities: 1) Conduct laboratory analyses of microbes (viruses, bacteria, eukaryotes) from field-collected samples using next-generation DNA sequencing (NGS) and other methods; 2) Conduct bioinformatic and statistical analyses to identify associations between microbes and microbial communities and ecological and epidemiological outcomes; 3) Write manuscripts for publication in high-quality journals. Successful applicants will also have the opportunity to participate in domestic and international fieldwork and to work with diverse and energetic collaborators.

Qualifications: Ph.D. in any relevant discipline. The following are required: 1) Strong laboratory skills in NGS, including hands-on experience with NGS equipment/platforms; 2) Strong bioinformatics skills for analyzing metagenomic data and metabarcoding data; 3) Strong skills in multivariate inferential statistics using R; 4) Excellent writing and publication skills, with a strong track record of relevant publications in peer-reviewed journals.

Salary: Salaries follow [NIH guidelines](#).

Timeline: Positions are for 2-3 years. Anticipated start date: September, 2022.

Contact: Send a cover letter describing your interests in this position, your CV, and contact information for three references to Dr. Tony Goldberg (tony.goldberg@wisc.edu).

Links: <https://goldberglab.wisc.edu>, <https://kibaleecohealth.wisc.edu/>, <https://www.wisc.edu/>, <https://cityofmadison.com/>