

Postdoctoral Research Associate in *Cryptosporidium* Genomics
University of Georgia
Working at USDA, Washington DC metro area

POSITION AND RESPONSIBILITIES: A post-doctoral research position is available immediately in the Kissinger Research Group. This Post-doctoral fellow position will provide support for a recently awarded 4-yr project NIH R01 - “Capturing the genomic variation present in *Cryptosporidium* and cryptosporidiosis”. Work will be performed primarily with collaborators in the Washington D.C. metropolitan area. The major focus of the project is to conduct innovative research through capture enrichment whole genome sequencing and bioinformatics analyses of the resulting sequence to understand the global population genetic structure and variation during outbreak and seasonal scenarios of human-infecting *Cryptosporidium* which is the 2nd leading cause of severe diarrhea and mortality in young children in Africa and Southern Asia.

QUALIFICATIONS: Highly motivated candidates who have a strong background in molecular biology, genomics, computational biology, and disease ecology research are encouraged to apply. Candidates will hold a Ph.D. in parasitology, molecular biology, genetics, or another appropriate discipline and have less than three years of postdoctoral experience. Candidates will meet the criteria for work eligibility at the USDA, namely being a US citizen or permanent resident as well as passing background checks.

Duties/Responsibilities:

Receive fecal DNA samples or in some cases stool samples from international collaborators, isolate genomic DNA from the received stool samples, purify *Cryptosporidium* oocysts, perform PCR and qPCR for enteric pathogen detection, perform Illumina library preparation and perform hybrid capture on select samples that pass quality control. The candidate will perform some next-generation sequence analysis and collaborate with project bioinformaticists and population genomicists.

APPLICATION: Qualified candidates should submit a detailed curriculum vitae, including descriptions of laboratory experience, responsibilities, and/or pertinent recent coursework; a short cover letter outlining research interests, research experience, and future goals; and the names of at least 3 scientists or faculty as references (with contact information, including e-mail addresses and phone numbers). Complete applications received by the deadline will be considered first. University policy requires all candidates to consent to and authorize a background investigation (www.hr.uga.edu). The background investigation will be conducted on a post offer/pre-employment basis. The starting date is negotiable, but planned for no later than May 15, 2021. All applicants MUST apply online through the UGAJob system (<https://www.ugajobsearch.com/postings/184203>). For additional information, please contact Dr. Jessica Kissinger (jkissinger@uga.edu).

The University of Georgia is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation or protected veteran status. Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact Central HR (hrweb@uga.edu).