Title: Postdoctoral Research Fellow in Pneumococcal Population Genomics and Vaccination

School: Harvard T.H. Chan School of Public Health

Department: Department of Epidemiology / Center for Communicable Disease Dynamics

Position Description: Recognized as a leader in infectious disease epidemiology, the Center for Communicable Disease Dynamics (CCDD) at the Harvard T.H. Chan School of Public Health is currently seeking an exceptional and creative scientist for a post-doctoral fellowship in the lab of Dr. William P. Hanage, to develop and apply innovative analytical approaches for studying the population genomics of antibiotic resistant *Streptococcus pneumoniae*. Efforts will include application of next generation sequencing technologies and development of advanced comparative genomic tools for the analysis of bacterial pathogens. The successful candidate will be independent and motivated with a track record of excellent research in genomics, evolutionary biology, theoretical ecology, disease dynamics or a related field. Strong quantitative and/or programming skills are required and experience in bioinformatics is expected. The fellow will work closely with Dr. Hanage and staff in the multidisciplinary research team based in CCDD where they will have the opportunity for professional development through interaction with other scientists applying bioinformatic, epidemiological and epidemic modeling approaches to viral, bacterial, and protozoan pathogens. They will also have opportunities to interact with leaders of bacterial evolution and infectious disease epidemiology at this institution and abroad. The fellow will have access to a wealth of resources including high-quality genomic and epidemiological data, a cutting-edge computing facility, robust analytical pipelines, the most recent sequencing and laboratory technology, and research expertise in genomics, mathematics, and computer science. The position is available immediately and is funded through June 2020.

Basic Qualification: Applicants must have a doctoral degree in ecology/biology, bioinformatics or a related field. Candidates should have a strong quantitative background, general knowledge of infectious disease epidemiology, and experience in programming using a common language such as Perl or Python, excellent written and oral communication skills, and ability to work independently and with collaborators.

Additional Qualification:

Special Instructions:

Contact Information: To apply, please send a research statement, CV, contact information for three references and one sample publication by email, to Dr. Hanage at whanage@hsph.harvard.edu. Applications will be considered as they arrive. Informal queries are welcome.

Contact Email: whanage@hsph.harvard.edu

Number of References required: 3

Applicant Documents:

1. Cover Letter
2. Curriculum Vitae
3. Statement of Research
4. One sample Publication
5. Contact information for Three References