Postdoctoral Fellow

Bookmark this Posting (/bookmarks?posting_id=9625) | Print Preview (/postings/9625/print_preview) |

Apply for this Job (/postings/9625/pre_apply)

Position

Title

Postdoctoral Fellow

School

Harvard T.H. Chan School of Public Health

Department/Area

Department of Immunology and Infectious Diseases

Position Description

The Neafsey Lab at the Harvard T.H. Chan School of Public Health is seeking an early stage or senior Postdoctoral Fellow to contribute to our research program in the evolutionary genomics of malaria (https://sites.sph.harvard.edu/neafsey-lab/). The successful candidate will work collaboratively with other group members to develop innovative empirical approaches for exploring the functional consequences of Plasmodium parasite polymorphisms that may contribute to drug resistance, transmission, and immune evasion. Approaches may include CRISPR/Cas9 genome editing and transcriptomics (bulk and single cell). Our lab generates and analyzes large genomic datasets from malaria parasites and vector mosquitoes to understand mechanisms of disease evolution, transmission, population dynamics, drug resistance, immune evasion, and host/vector/pathogen interactions.

Ideal applicants will have a PhD in a relevant field, with strong background in molecular biology and/or molecular genetics, ideally in the context of malaria or other infectious diseases. The successful candidate will join a diverse group with expertise that spans molecular epidemiology, computational biology, and evolutionary genomics and transcriptomics. Applicants will be expected to develop a research program that is original but fits within the general priorities of the team, taking into account the relevant literature, own experience, and advice from other scientists.

Basic Qualifications

Candidates are required to have a Ph.D. in biology/molecular biology/molecular parasitology or equivalent. Strong molecular biology laboratory skills are essential, previous experience with in vitro culture and manipulation of Plasmodium or other eukaryotic parasites strongly desired.

Additional Qualifications

Additional experience in CRISPR/Cas9, RNAseq, or molecular epidemiology and population genetic analysis approaches would be advantageous. Candidates should demonstrate a track record of consistent publication, have strong organizational, written, and oral communication skills, and should be able to work both independently and as part of a team. Spanish language proficiency is a plus.

Special Instructions

Contact Information

Please contact Professor Neafsey by email: neafsey@hsph.harvard.edu with CV, letter of interest, and names of at least three references.

Contact Email

neafsey@hsph.harvard.edu

Equal Opportunity Employer

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Minimum Number of References Required

Maximum Number of References Allowed

Supplemental Questions

Required fields are indicated with an asterisk (*).

Applicant Documents

Required Documents

Optional Documents

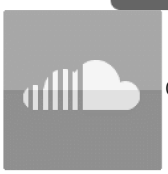
Trademark Notice (https://trademark.harvard.edu/pages/trademark-notice) | Harvard University (https://www.harvard.edu/)
Copyright © 2015 The President & Fellows of Harvard College

(https://www.facebook.com/Harvard/)

(https://twitter.com/harvard)

(https://www.linkedin.com/school/1646/)

(https://www.instagram.com/harvard/)

(https://www.youtube.com/harvard)

(https://soundcloud.com/harvard)

(https://plus.google.com/+harvard)

(http://www.harvard.edu/itunes)