Postgraduate research opportunity in basic and translational HIV cure research

The laboratory of Dr. Ya-Chi Ho, MD, PhD at the Department of Microbial Pathogenesis (https://medicine.yale.edu/lab/yachiho/) is looking for a highly motivated and hard-working postgraduate student with a strong interest in hypothesis-driven translational HIV research. The goal of our lab is to examine mechanisms of HIV persistence and to develop HIV cure strategies involving virology, immunology, molecular biology, single-cell genomics, epigenetics, and bioinformatics.

PRINCIPAL RESPONSIBILITIES

The postgraduate is anticipated to process blood samples from HIV-infected individuals using sterile cell culture techniques in an enhanced biosafety level 2 (BSL2+) setting after appropriate biosafety training. The postgraduate may further examine HIV-host interactions using HIV-1 genomic sequencing, single-cell RNAseq, epigenetic analysis, viral outgrowth cultures, flow cytometry, molecular cloning and bioinformatics analysis. The postgraduate is anticipated to participate in lab stocking and maintenance. Under supervision by other postdocs and PhD students, the postgraduate is anticipated to design experiments, perform data analysis, and present data in laboratory meetings and journal clubs. Successful postgraduates may have the opportunity to present their work in major international HIV meetings and participate in manuscript preparation. This is a great opportunity for students who are interested in basic and translational research and who are pursuing advanced careers in graduate schools or medical schools.

HOW TO APPLY

Email ya-chi.ho@yale.edu with a current C.V., names of three references, and a cover letter indicating your background and interest in the lab. A bachelor’s degree in a science discipline and prior bench experience in research labs is required. Experience in sterile cell culture skills or bioinformatics coding ability (such as R or Python) is preferred but not required. Individuals who are willing to learn new techniques and proficient in multi-tasking are preferred.

Yale University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women, members of minority groups, persons with disabilities and protected veterans.