Department of Microbiology and Molecular Genetics  
Michigan State University

Research Assistant Professor-Fixed Term

Position Summary
The Department of Microbiology and Molecular Genetics is seeking a fixed-term Research Assistant Professor to work in the laboratory of Dr. Yong-Hui Zheng to research host interactions with human coronaviruses, influenza viruses, retroviruses, and Ebolaviruses. The successful candidate will investigate host factors that have broad antiviral activities by targeting class I fusion proteins that are expressed from HIV-1, influenza viruses, Ebola viruses, and SARS-CoV-2. This will aid in the design of new therapeutics and vaccines and help to alleviate the severe public health burdens associated with these highly pathogenic human viruses. The laboratory employs a wide range of techniques, from proteomics, CRISPR/Cas9, and RNA-Seq to virus infection of relevant animal cells. The duties/responsibilities of this position include developing and driving research objectives, analyzing research and preparing written reports for presentation and publication, assisting in the supervision of student research projects and seeking independent external funding in areas related to the research mission.

This is a full-time, 12-month fixed-term position with reappointment contingent on satisfactory performance and available funding.

Equal Employment Opportunity Statement
All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, disability or protected veteran status.

Minimum Requirements
Applicants should have a doctorate degree in molecular biology, virology/immunology, biochemistry or in a closely related field. The qualified applicant will have 3-5 years of postdoctoral training in virology with a track record of publications.

Desired Qualifications
Applicants should have a PhD in Molecular Biology, Virology/Immunology, Biochemistry or a closely related field. Prior experience in techniques for molecular virology of RNA viruses and protein-protein and protein-RNA interactions, is an advantage. The ability to work both independently and as part of a team, coupled with excellent communication, organizational and problem-solving skills, and an enthusiasm for scientific research, is desired.

Required Application Materials
Review of applications will begin on April 30, 2021. Interested applicants should submit a cover letter, a current CV, and contact information for three references to http://careers.msu.edu posting # 699522.

Summary of Health Risks
Health risks that may be associated with this position include working with BSL-2 and BSL-3 pathogens after receiving EHS trainings and certificates.

Website
https://mmg.natsci.msu.edu/
MSU Statement
Michigan State University has been advancing the common good with uncommon will for more than 160 years. One of the top research universities in the world, MSU pushes the boundaries of discovery and forges enduring partnerships to solve the most pressing global challenges while providing life-changing opportunities to a diverse and inclusive academic community through more than 200 programs of study in 17 degree-granting colleges.