

Postdoctoral Position
Vector-Pathogen-Host Interaction Unit

Laboratory of Bacteriology
National Institute of Allergy and Infectious Diseases
National Institutes of Health

Job Description

The Vector-Pathogen-Host Interaction Unit, Laboratory of Bacteriology, National Institute of Allergy and Infectious Diseases (NIAID), NIH is seeking a highly motivated postdoctoral fellow with interest in vector borne disease pathogenesis and background in immunology and/or microbiology to be part of our team. This position is located on NIAID's Rocky Mountain Laboratories campus in Hamilton, Montana.

Our team is interested in the dynamic arthropod-pathogen-host interaction at the cutaneous interface, focusing on understanding the early host response, pathogen evasion and development of immunity. We are also interested in the importance of vector-pathogen modification transmission that favor the infection to establish in the vertebrate host. Our ultimate goal is to identify potential targets for immunomodulation and prevention of disease progression. The successful candidate will be expected to plan, design, and conduct research experiments with high scientific rigor; manage research projects; prepare reports and papers for publication; learn the complexities of research lab management and work collaboratively and collegially as part of the team while developing skills needed to become an independent and successful scientist. Postdoctoral fellows will have the opportunity to develop projects that complement the overall directions of the Unit.

Required Minimum Qualifications:

Doctoral degree or equivalent (Ph.D., D.V.M., M.D., D.O.) in Immunology and/or Microbiology or other closely related field.

Demonstrated research experience with basic experimental procedures such as molecular techniques (RNA/DNA extraction, RT-PCR, Real Time PCR), immunostaining, flow cytometry, maintaining cell cultures, ELISAs, Western blot, preparation and analysis of RNA/DNA sequencing, in vivo inoculations, necropsy and tissue collection/processing; experimental design, and basic statistical analysis.

Applicants should be highly motivated, able to conduct independent research, and have participated in publications in internationally recognized journals. Good communication skills and writing skills are highly desired.

Preferred Qualifications:

Experience with animal and/or arthropod manipulation; manuscript writing experience; and a peer-reviewed publication record.

Prior experience in immunology and microbiology and experience handling/culturing ehrlichial/rickettsial (or similar) agents is highly desirable.

Special Instructions to Applicants:

Please submit cover letter, CV, and contact information for three professional references to tais.berellisaito@nih.gov. Women and people from other groups underrepresented in biomedical research are especially encouraged to apply.

The NIH is dedicated to building a diverse community in its training and employment programs.