

**Subject:** Postdoc position available in immunopathogenesis of vector transmitted diseases

## **IMMUNOPATHOGENESIS OF VECTOR TRANSMITTED DISEASES**

**NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID), VECTOR-PATHOGEN-HOST INTERACTION UNIT, ROCKY MOUNTAIN LABORATORIES, HAMILTON, MT**

### **Position Description:**

The Vector-Pathogen-Host Interaction Unit, Laboratory of Bacteriology, NIAID, NIH is seeking a postdoctoral fellow with a strong immunology and/or microbiology background to be part of a team working to understand the immunopathogenesis of vector transmitted diseases. 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 immune mechanisms of severe disease pathogenesis. The successful candidate will be expected to plan, design, and conduct research experiments; manage research projects; prepare reports and papers for publication, presentation, and future research; learn the complexities of research lab management, participate in various lab management activities, and work collaboratively and collegially as part of the team while developing skills needed as an independent 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, be 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 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.

**To Apply:**

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

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