

Position Title: Postdoctoral Research Fellow in Mosquito Molecular Biology and Arbovirology

Department: Veterinary Pathobiology

Position Type: Academic

Job ID: 53453

Job Description:

A **postdoctoral position** is immediately available for a candidate to work on molecular mosquito-arbovirus interactions in the laboratory of Dr. Alexander Franz, Dept. of Veterinary Pathobiology at the University of Missouri (<https://cvm.missouri.edu/veterinary-pathobiology/>). The position is for a collaborative, NIH-funded research project to 1) further develop and optimize a group of highly innovative antiviral effector molecules; 2) generate transgenic mosquitoes harboring these novel effectors; 3) test the transgenic mosquitoes for their level of resistance to a range of arboviruses including Zika, chikungunya, and dengue viruses. Fully equipped laboratories (BSL2 and BSL3), insectaries, and excellent on-campus core facilities are available to conduct these studies.

The Department of Veterinary Pathobiology is an integral component of the College of Veterinary Medicine that provides a unique and critical link between the basic and clinical sciences. Our mission is to acquire, advance and disseminate knowledge in the fields of pathology, parasitology, microbiology, immunology, comparative medicine, genetics and related disciplines that will ultimately lead to better diagnosis, control and prevention of animal and human diseases and to provide training of the next generation of researcher scientists.

Our Campus and Our Community: MU is a nationally competitive, global university. Many states fund separate research and land-grant universities, but Missouri combines those roles at its flagship institution. MU is both a land-grant university with a statewide mission of service to citizens and Missouri's largest public research university. MU is one of only five universities nationwide that offers law, medicine, veterinary medicine, and a nuclear research reactor on one campus. MU is a national leader in comparative medicine, in which researchers collaborate by sharing discoveries, innovations and treatments for humans and animals.

Minimum Qualifications:

- PhD in Microbiology, vector biology, entomology or virology
- The candidates will have considerable experience in one or more of the following:
 - Molecular research on arthropods, molecular biological laboratory techniques, mosquito genetics/transgenesis, and/or study of mosquito-arbovirus interactions.
- The candidates should be highly motivated with a keen interest to develop and pursue innovative approaches to address this exciting research topic.

Application Materials:

To apply, visit <https://hr.missouri.edu/job-openings> and submit the following:

1. Curriculum Vitae.
2. Cover letter stating research interests and career goals.

3. Contact information (including email addresses) for three references.

Please contact Dr. Alexander Franz (franza@missouri.edu) for more information or questions.

If you have questions about the online application process, please consult Human Resources web sites: email umpshrsupport@umsystem.edu or call (573)882-7976.

Application Deadline

Screening of applications will start November 15, 2024, and will continue until the position is filled.

Benefit Eligibility

This position is eligible for University benefits. As part of your total compensation, the University offers a comprehensive benefits package, including medical, dental and vision plans, retirement, and educational fee discounts for all four UM System campuses. For additional information on University benefits, please visit the Faculty & Staff Benefits website at <https://www.umsystem.edu/totalrewards/benefits>.

Values Commitment

We value the uniqueness of every individual and strive to ensure each person's success. Contributions from individuals with diverse backgrounds, experiences and perspectives promote intellectual pluralism and enable us to achieve the excellence that we seek in learning, research and engagement. This commitment makes our university a better place to work, learn and innovate.

In your application materials, please discuss your experiences and expertise that support these values and enrich our missions of teaching, research, and engagement.

Equal Employment Opportunity

The University of Missouri System is an Equal Opportunity Employer. Equal Opportunity is and shall be provided for all employees and applicants for employment on the basis of their demonstrated ability and competence without unlawful discrimination on the basis of their race, color, national origin, ancestry, religion, sex, pregnancy, sexual orientation, gender identity, gender expression, age, disability, or protected veteran status, or any other status protected by applicable state or federal law. This policy applies to all employment decisions including, but not limited to, recruiting, hiring, training, promotions, pay practices, benefits, disciplinary actions and terminations. For more information, visit <https://www.umsystem.edu/ums/hr/eeo> or call the Director of Employee and Labor Relations at 573-882-2146.

To request ADA accommodations, please call the Director of Accessibility and ADA at 573-884-7278.