

Position available in hypertension for a Postdoctoral Research Fellow at the:
University of Michigan, Department of Pharmacology

Job Summary

The research lab of Dr. Michael Holinstat in the Department of Pharmacology at the University of Michigan, Ann Arbor, MI is in search of a postdoctoral Research Fellow. The selected candidate will investigate the ability of novel therapeutic approaches to prevent or treat pulmonary arterial hypertension (PAH). They will be afforded the ability to work in an open-lab environment with access to all of its state-of-the-art equipment in order to gain a greater understanding of hemostasis and thrombosis in the in vivo, in vitro, and ex vivo setting in both human and small animal models.

The lab maintains state-of-the-art hemostasis and thrombosis facilities including full protein chemistry capabilities, lumi-aggregometers, flow cytometer, hemavet, a microscopy facility containing 2 zeiss microscopes with the capacity for in vivo intravital confocal microscopy and single-cell high resolution microscopy, PCR machines, 2 multi-mode plate readers, thromboelastography, and a phlebotomy suite with full-time phlebotomist. The lab is situated in the heart of Michigan Medicine within steps of a multitude of research resources and easy access to collaborators, the clinics, and animal facilities.

Mission Statement

Michigan Medicine improves the health of patients, populations and communities through excellence in education, patient care, community service, research and technology development, and through leadership activities in Michigan, nationally and internationally. Our mission is guided by our Strategic Principles and has three critical components; patient care, education and research that together enhance our contribution to society.

Responsibilities*

The project the selected candidate will focus on is the development of novel therapies for treating pulmonary arterial hypertension (PAH). In particular, elucidating the efficacy in rat models in vivo and human cells in vitro of novel approaches for prevention or treatment of PAH. They will determine the importance of these novel interventions in the regulation of PAH and identification of efficacy and superiority compared to conventional treatments such as Iloprost using human cell studies ex vivo and rat models in vivo.

Required Qualifications*

A PhD in pharmacology, physiology, biochemistry, molecular biology, or other related biomedical discipline is required.

Desired Qualifications*

Experience working with small animals is a plus. Experience with physiology and biochemistry of hypertension, and working in a team

environment is recommended but not required.

Background Screening

Michigan Medicine conducts background screening and pre-employment drug testing on job candidates upon acceptance of a contingent job offer and may use a third-party administrator to conduct background screenings. Background screenings are performed in compliance with the Fair Credit Report Act. Pre-employment drug testing applies to all selected candidates, including new or additional faculty and staff appointments, as well as transfers from other U-M campuses.

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