

Position available in platelet signaling 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 platelet biochemical and physiological steps in the regulation of blood coagulation in vitro, ex vivo, and in vivo in human and animal models of blood clotting. 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 regulation of platelets in health and cardiovascular disease. In particular, elucidating the key intraplatelet signaling pathways that regulate platelet activation which ultimately leads to myocardial infarction (MI) and stroke. They will determine the importance of these pathways in the regulation of platelet-dependent blood clotting and thrombosis using human platelet studies ex vivo and mouse models in vivo.

Required Qualifications*

A PhD, MD, or related degree in the areas of pharmacology, physiology, biochemistry, molecular biology, or other related biomedical discipline is required.

Desired Qualifications*

Experience working with small animals is a plus. Experience with flow

cytometry, western blot techniques and other biochemical assays, 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.

Please send all correspondence to:

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