Research Associate - Fixed Term  
Michigan State University  

Position Summary  
Diabetic complications laboratory  

A postdoctoral research position is available on NIH NEI funded project to study the mechanisms of the development of diabetic retinopathy at Michigan State University, USA at the Department of Physiology. The project investigates the role of dyslipidemia in the development of diabetic retinopathy. Candidates should have a PhD in an area related to diabetes, lipid biochemistry, vascular biology, membrane biology, signal transduction or immunology. The position requires previous experience in cell and molecular biology and mouse models. Special consideration will be given to candidates with previous experience in diabetes, lipid metabolism and tight junctions studies. Highly motivated individuals able to plan and design experiments independently are particularly encouraged to apply. Specific project in the lab focuses on the mechanisms that regulate the of Very Long Chain (C26+) ceramides in maintaining blood retina barrier function and preventing pro-inflammatory and pro-apoptotic changes induced by C16-C18 ceramides. For more information regarding our research projects visit [https://physiology.natsci.msu.edu/directory/faculty/julia-busik-ph-d/](https://physiology.natsci.msu.edu/directory/faculty/julia-busik-ph-d/)

Required Degree  
Doctorate - Cellular/molecular biology, neuroscience

Minimum Requirements  
Qualified candidates must have a PhD or MD degree and should have some or all of the following attributes: 1) a strong background in neuroscience (preferably enteric neuroscience) and/or cellular/molecular gastroenterology, 2) a publication record of primary research articles including at least one lead-author publication, 3) excellent communication skills (written/spoken English), 4) an excellent academic record, 5) a keen desire to learn, and 6) previous research experience in cellular neuroscience, physiology, or gastroenterology.

Required Application Materials  
Interested candidates should send a cover letter including a summary of achievements and research interests, curriculum vitae, reprints of interest and the names and contact information for three references to Dr. Julia Busik; E-mail: busik@msu.edu

Special Instructions  
Formal applications should be submitted through the MSU applicant portal. Salary will be commensurate with current NIH stipend levels. Review of applications will begin immediately and continue until the position is filled.

Review of applications will begin on November 15, 2021 and will continue until the position has been filled.

To Apply  
Visit [https://careers.msu.edu/](https://careers.msu.edu/) and search job 692690.

Equal Employment Opportunity Statement  
All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, age, disability or protected veteran status.