

Postdoctoral Fellow in Oxidative Stress, Inflammaging and Vascular Metabolic Disease: Augusta GA, United States

Job Summary

Postdoctoral positions are available at Vascular Biology Center, Medical College of Georgia at Augusta University (<https://www.augusta.edu/centers/vbc/>). We are seeking highly motivated postdoctoral fellows who are interested in the following topics involved in Vascular Metabolic Disease including Angiogenesis, Atherosclerosis and Diabetes, as well as Inflammaging including Alzheimer's disease:

- 1) Oxidative Stress, Copper metabolism, and Redox Signaling
- 2) Mitochondrial dynamics, ROS and metabolism

We use a variety of in vitro and in vivo approaches, including tissue-specific inducible knockout mice, CRISPR/Cas9-generated knock-in mutant mice, animal models, cell cultures, molecular cell biology, ROS and fluorescence imaging, redox proteomics, copper imaging using X-ray fluorescence microscopy, and RNAseq analysis. Please see our lab website (Tohru Fukai: (<https://www.augusta.edu/centers/vbc/tohru-fukai.php>), and Masuko Ushio-Fukai: (<https://www.augusta.edu/centers/vbc/ushio-fukai.php>)).

The positions are immediately available.

Research Environment

State-of-the-art facilities (CRISPR/Cas9 Gene Editing Transgenic Core, Cell Imaging and Histology/Electron microscopy cores, Flow Cytometry core, Genomics and Proteomics core, Small Animal Behavior and Imaging core, Metabolic monitoring, etc.). Augusta is a beautiful city located on the Savannah river with driving access to Atlanta, east coast beaches and the North Carolina mountains.

Required Qualifications

MD, Ph.D., MD/PhD, or equivalent from an accredited college or university.

Preferred Qualifications

A background in any of the following areas:

- Mitochondria and ROS Metabolism, Fluorescence Imaging, Retina Angiogenesis, Inflammation, Vascular Aging, Alzheimer's disease

How to Apply

Please go to <https://www.augusta.edu/hr/jobs/university/> to search for Job Opening ID 238506 and submit an application to be considered for this position.

Applicants should email a CV and a list of 3 references to Tohru Fukai MD Ph.D, and Masuko Ushio-Fukai, Ph.D at tfukai@augusta.edu (tohrufukai@gmail.com), mfukai@augusta.edu (Masuko.fukai@gmail.com).

Equal Employment Opportunity

Augusta University is proud to be an equal opportunity employer, welcoming applicants from underrepresented groups, including individuals with disabilities and veterans.