Postdoctoral Research Fellow
Brain Vascular Function during Ischemic Stroke and Preeclampsia

Department of Neurological Sciences at the University of Vermont Larner College of Medicine in the lab of Marilyn Cipolla. The Cipolla Lab studies cerebral hemodynamics and vascular function during ischemic stroke with a focus on translational aspects including reperfusion injury and collaterals. We also study cerebral hemodynamics and vascular function during pregnancy and pregnancy-related complications that affect the brain and maternal cerebral circulation, including preeclampsia and stroke. A variety of in vivo and in vitro experimental approaches are used to study brain blood flow, cerebrovascular reactivity, vascular remodeling, and how these relate to brain injury during ischemic stroke. We are also interested in co-morbidities and systemic vascular remodeling, including large vessel stiffness during hypertension and hypercholesterolemia, and how these conditions affect the cerebral microcirculation. Some studies focus on hippocampal arteriole function and slice electrophysiology are ongoing in an effort to understand how pregnancy and preeclampsia affect cognitive functioning during pregnancy and postpartum. As PI, I am committed to mentoring on all levels and in all areas, especially work-life balance. I strive to create a supportive, flexible and productive work environment. The University of Vermont has had a long-standing history in vascular biology research that has produced seminal contributions in the field, creating an outstanding and rich scientific environment. Applicants with experience in fields of vascular biology, neuroscience, pharmacology and/or physiology are encouraged to apply. Qualified candidates will hold a PhD, MD/PhD, or equivalent in physiology, pharmacology, neuroscience or a related field and be highly motivated for a career in science. This position is funded by the NIH and a competitive salary will be offered. Prior experience in vascular biology and/or animal models of vascular disease (hypertension, stroke, etc.) is desirable. Please send cover letter, CV and list of 3 references with contact information by email to: Marilyn J. Cipolla, PhD (email: Marilyn.Cipolla@uvm.edu). Women and minorities are encouraged to apply.