

Postdoctoral Research Position in Pulmonary and Critical Care Medicine at Vanderbilt University
School of Medicine

Description of Position

A postdoctoral position is immediately available in the laboratory of Dr. Lorraine Ware, Professor of Medicine and Pathology, Microbiology and Immunology at Vanderbilt University School of Medicine. Dr. Ware's translational research group studies pathogenic mechanisms of sepsis and acute lung injury with a specific focus on mechanisms of lung epithelial and endothelial injury. A major focus is on understanding the cellular and molecular mechanisms of cell-free hemoglobin-mediated lung epithelial and microvascular endothelial permeability. This postdoctoral fellowship will afford the fellow the opportunity to drive this project forward using a multitude of tools and models available in Dr. Ware's group including primary and immortalized cell culture, multiple genetically modified mouse lines, mouse models of acute lung injury and sepsis as well as the ex vivo perfused human lung.

Qualifications for the Position

Candidates must have an MD and/or PhD in a related medical or biological sciences field. Successful candidates should be self-starters and highly motivated to thrive in a rich research environment. Expertise with cell culture and mouse studies is required. Specific expertise in mitochondrial biology, apoptosis, and/or redox biology would be helpful but is not required. The successful candidate should have a demonstrated ability to work both independently and collaboratively, possess strong oral and written communication skills and have a strong foundation in bench science. Responsibilities include designing and implementing experiments, data collection and review, abstract and manuscript preparation and local and national scientific presentations. A successful fellow will leave the program with a broad knowledge of acute lung injury and sepsis, a robust scientific skillset, expertise in a wide range of laboratory techniques and an opportunity for presentation and publication.

Questions about the position can be directed to Lorraine.ware@vanderbilt.edu or Julie.bastarache@vanderbilt.edu.