



Postdoctoral Fellow Position Available in the Laboratory of Dr. Patrick T. Ronaldson, Ph.D.



An NIH-funded postdoctoral position is available in the laboratory of Dr. Patrick Ronaldson to investigate the role of endogenous blood-brain barrier transporters in CNS drug delivery for treatment of ischemic stroke. This project involves extensive transporter expression measurements (i.e., mRNA, protein), microscopy approaches to examine transporter localization, and molecular studies to examine intracellular signaling pathways involved in transporter regulation. Additionally, transporter functional studies will be performed using freshly isolated brain capillaries or via the in situ brain perfusion technique. Research will be conducted in the laboratory of Dr. Patrick Ronaldson and will include experiments outlined in the grant proposal, development of additional experiments as warranted by progress on the project, and preparation of research results for publication in top-tier peer reviewed journals and for presentation at scientific meetings. A strong interest in blood-brain barrier biology and CNS drug delivery as well as a willingness to work with animals, and expertise in applying the middle cerebral artery occlusion (MCAO) model of ischemic stroke to pharmacological studies are required; a background in molecular pharmacology of transporters and microscopy is preferred. This position is open immediately and a minimum three-year commitment to the laboratory is required. To apply, please submit a cover letter, curriculum vitae, a statement of research interests, and three (3) letters of recommendation. The statement of research interests should include an overview of the applicant's three (3) most significant first author scientific publications and how these papers demonstrate the applicant's ability to make cutting-edge contributions to the study of drug transport processes at the blood-brain barrier.

Outstanding UA benefits include health, dental, vision, and life insurance; paid vacation, sick leave, and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; access to UA recreation and cultural activities; and more!

Duties and Responsibilities:

- *Independently design, perform and interpret experiments outlined in the grant proposal.
- *Prepare research results for publication.
- *Present data at scientific meetings.
- *Supervise graduate and undergraduate students working on the project.
- *Assist with administrative and maintenance duties in laboratory management.
- *Attend lab meetings.

Arizona Board of Regents Minimum Qualifications:
Not Applicable for this position.

Additional Minimum Qualifications:

Ph.D. in Pharmacology, Pharmaceutical Sciences, Neuroscience or a related field.

Preferred Qualifications:

Background in molecular pharmacology of transporters and microscopy techniques is preferred.

Please contact Dr. Ronaldson (bronald@email.arizona.edu) to apply for this position.