POSTDOCTORAL POSITION - NEURODEGENERATIVE DISEASES

About the Positions: The laboratory of Dr. Laurent Calvier located in the Department of Neurology at UT Southwestern Medical Center (Dallas, USA) is seeking a highly motivated, proactive, postdoctoral researcher to investigate neuroinflammatory and neurodegenerative diseases. The main project for this position is entitled "**New communication axis from the brain to the peripheral immune system during Alzheimer's disease**", with a broader impact on other chronic inflammatory diseases and auto-immune diseases. Besides the main project, the candidate is expected to participate in other active projects in the lab, such as: Blood-brain barrier dysfunction; Neuroinflammation-induced neuronal dysfunction; Small molecule drug discovery and development; Antibody development and humanization.

Qualifications:

- Ph.D. and/or M.D. degree in Neuroscience, Immunology, Vascular Biology, or related field.
- Expertise in routine molecular analysis techniques (Western blot, RT-qPCR, ELISA, IF, IHC).
- Experience with cell culture (endothelial cells, neurons, or iPSC)
- Proficiency in mouse handling and experiments.
- Excellent writing and presentation skills in English (expected to submit postdoctoral grants, high-impact research papers, and abstracts to conferences).

Optional (opportunities for skill development available):
- FACS, RNA sequencing (total, single-cell, spatial)
- Cloning, CRISPR-Cas9, gene therapy
- MRI, brain surgery, behavioral experiments on small animals
- 2-photon microscopy, Intravital microscopy
- In vitro endothelial-leukocyte adhesion and transmigration assays
- Neuron cell culture (primary and iPSC-derived)

About the Lab: Calvier lab focuses on unraveling the complexities of neurodegenerative diseases through the lens of inflammatory and vascular disorders. Their research has revealed the intriguing role of peripheral Reelin in regulating leukocyte migration across the blood-brain barrier, with significant implications for neuroinflammatory diseases. The lab is also actively engaged in drug development aimed at clinical applications.

How to Apply: Please send your CV, a brief statement of research interests, and a list of three references to Dr. Laurent Calvier email: laurent.calvier@utsouthwestern.edu.

Links: Dr. Laurent Calvier UTSW profile.
Calvier Lab website.
Postdoctoral training program, benefits, and virtual tour link.

UT Southwestern Research and Training at a Glance:

- World's No. 3 health care institution for publishing high-quality scientific research, according to the 2023 Nature Index
- Home to nationally and internationally recognized physicians and scientists, including Nobel Laureates, HHMI investigators, members of the National Academy of Sciences and of Medicine
- Over $550M in research funding
- Comprehensive core facilities
- Burgeoning biotech hub
- Blackstone LaunchPad entrepreneurial training and tools
- Postdoctoral certificate program, including nanocourses
- Graduate Career Development Office
- Postdocs have gone into careers in academia, biotech, pharma, consulting, and non-profits

Compensation & Benefits

Postdoctoral Scholars are eligible for:

- Pay at the level of NIH NRSA stipends or higher and yearly pay review
- Health, Dental, and Vision Insurance Plans
- Retirement Benefits for employees
- Paid Time Off
- Relocation expenses for eligible appointments
- Student parking rates
- Access to the Student Center and Student Health/Student Wellness

Dallas offers big city excitement with quiet suburbs in a mix of Texas friendliness and cosmopolitan offerings.

UT Southwestern
Medical Center