

The Department of Comparative Biomedical Sciences presents

## Jeff Twiss, PhD

Professor, SmartState Chair in Childhood Neurotherapeutics  
Associate Dean for Research and Graduate Studies  
University of South Carolina

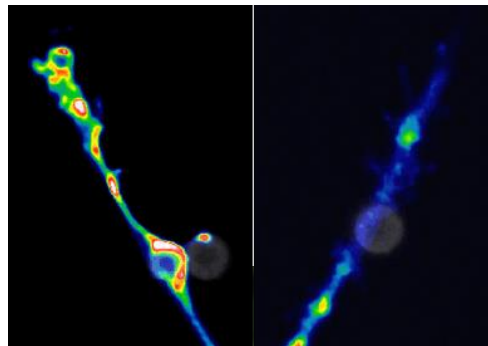
### Seminar

#### Targeting axonal mechanisms to expedite neural repair

Twiss will present studies on the contributions of intra-axonal protein synthesis contributes to axon regeneration. He will concentrate on the mechanisms that regulate the specificity of mRNA translation and mRNA survival in axons.

### About

Jeff Twiss completed the MD, PhD program at Medical University of South Carolina. He did a clinical residency and fellowship in anatomic pathology and neuropathology, followed by post-doctoral training in neurobiology at Stanford University. He started his independent research in 1996 focusing on molecular neurobiology and continued with clinical work in neuropathology. His group has made seminal contributions to the field of neural repair and how post-transcriptional mechanisms contribute to neural connectivity. They discovered that intra-axonal protein synthesis is needed for regeneration of peripheral nerves and are now leveraging that and other discoveries to develop new therapeutic strategies for neural repair. He was appointed as SmartState Endowed Chair in Childhood Neurotherapeutics at the University of South Carolina in 2013 and currently serves as Associate Dean for Research and Graduate Studies in the College of Arts and Sciences.



**Thursday, February 8, 2024**

**12-1 pm SEMINAR - IN PERSON - Room 1212C**

**1-2 pm Networking with trainees - Lunch**

**(All Departments' Graduate Students and Postdocs)**

[ZOOM option](#)

**Refreshments**