

WELCOME

Washington University Parents Council

Jeffrey T. Fort Neuroscience Research Building

Nov. 2, 2024



WashU Medicine



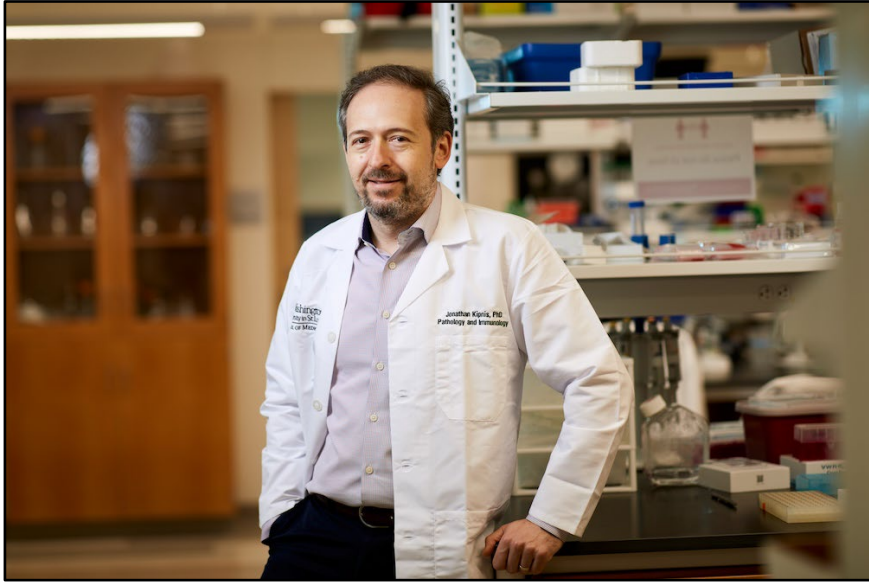


Jeffrey T. Fort

Neuroscience Research Building

- Dedicated Jan. 18, 2024.
- 11-story, 609,000-square-foot facility.
- \$616 million investment.
- 100+ research teams from across campus.
- Unites experts in neurology, neuroscience, neurosurgery, psychiatry, anesthesiology, radiology, genetics and developmental biology.
- Organized by research themes, including Circuits, Neuroplasticity, and Behavior, Brain Developmental Disorders and Neurogenomics, Brain tumor biology, Psychiatric illness, Pain and neurodegenerative diseases such as Alzheimer's, Parkinson's and Huntington's diseases, as well as amyotrophic lateral sclerosis (ALS).

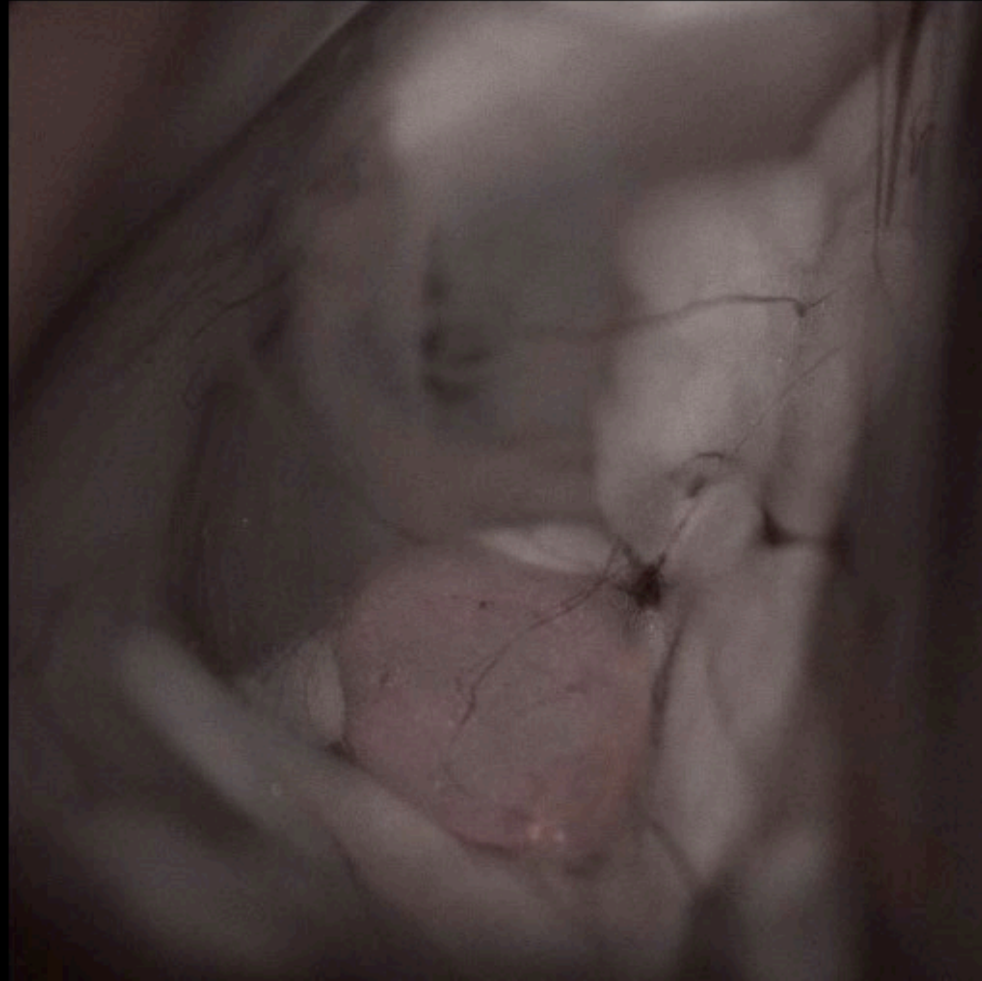
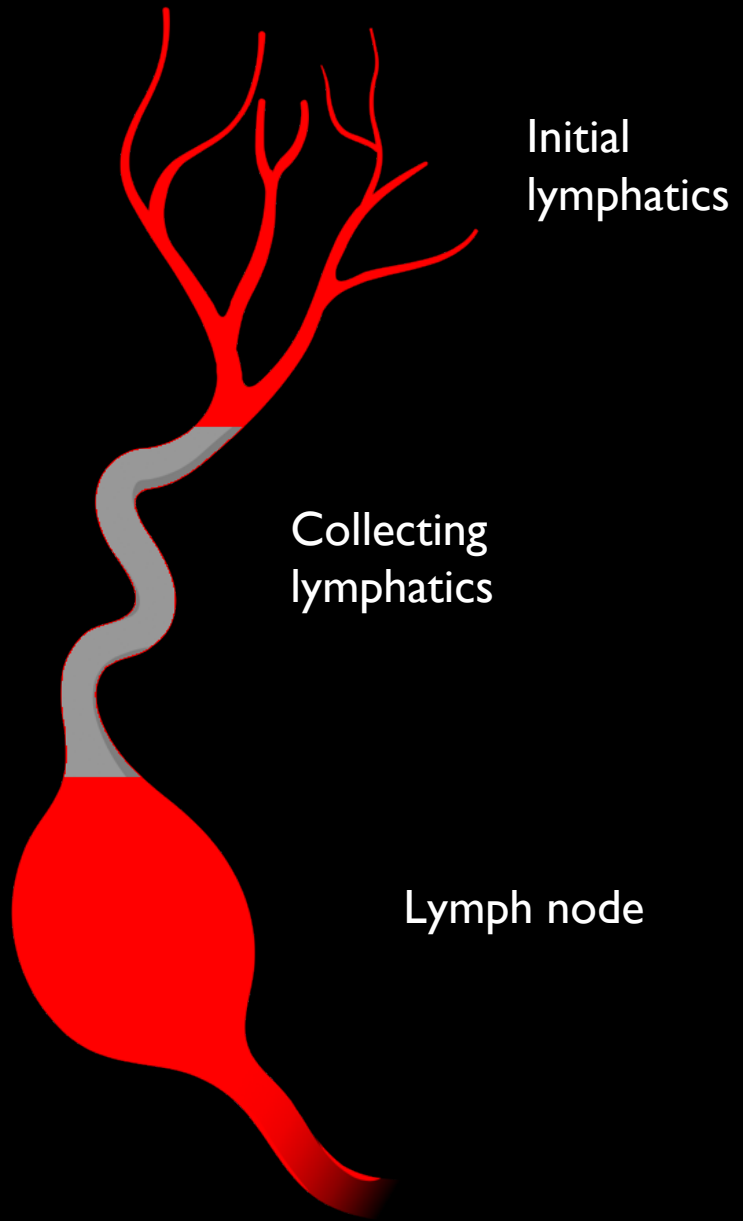




**Jonathan Kipnis, PhD
Alan A. and Edith L. Wolff Distinguished
Professor of Pathology and Immunology;
Director, Brain Immunology and Glia
(BIG) Center; and BJC Investigator**



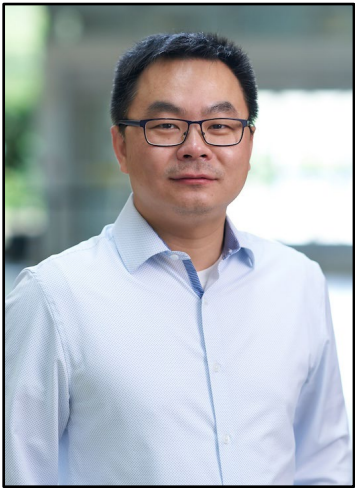
“The immune cells that sit on the borders of the brain could potentially be a feasible target for treating neurological diseases such as Alzheimer’s, once we better understand their role in these complex diseases.”







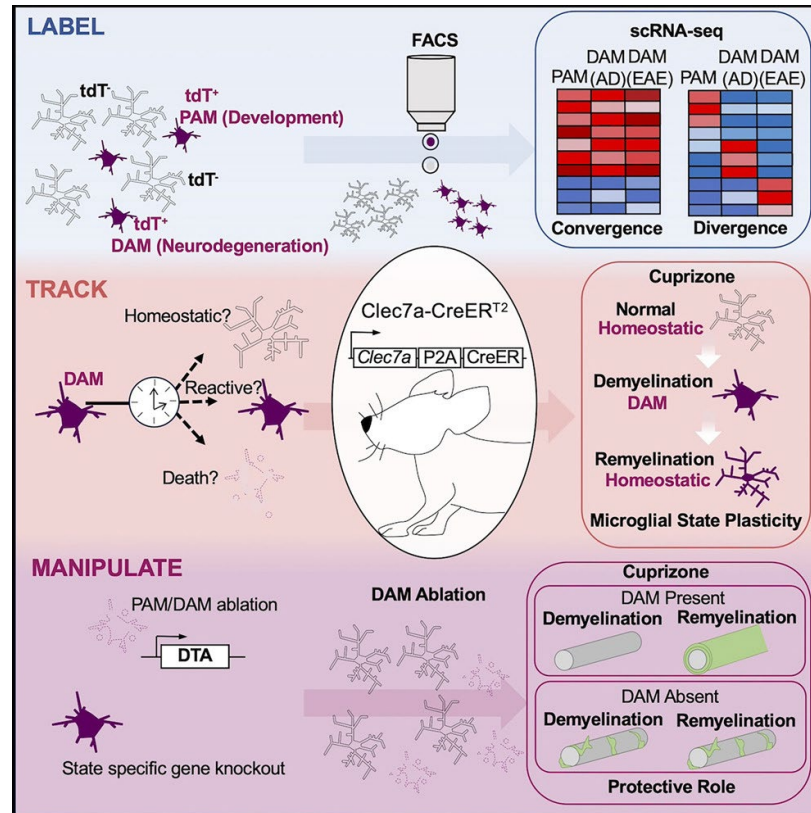
Kia Barclay
Graduate Student
Li Lab



Tristan Qingyun Li, PhD
Assistant Professor of
Neuroscience and Genetics

Immunity Paper

An inducible genetic tool to track and manipulate specific microglial states reveals their plasticity and roles in remyelination





Adam Kepecs, PhD
Robert J. Terry Professor of Neuroscience,
Professor of Psychiatry
and BJC Investigator

“If we can identify the relevant neural circuits, we can gain insight into how the brain communicates with the immune system and open immediate opportunities for developing targeted drugs for depression and related conditions.”

National Institutes of Health (NIH) Director’s Pioneer Award

The cytokine code and neural circuits for sensing inflammation state





Martha Bagnall, PhD
Associate Professor of Neuroscience

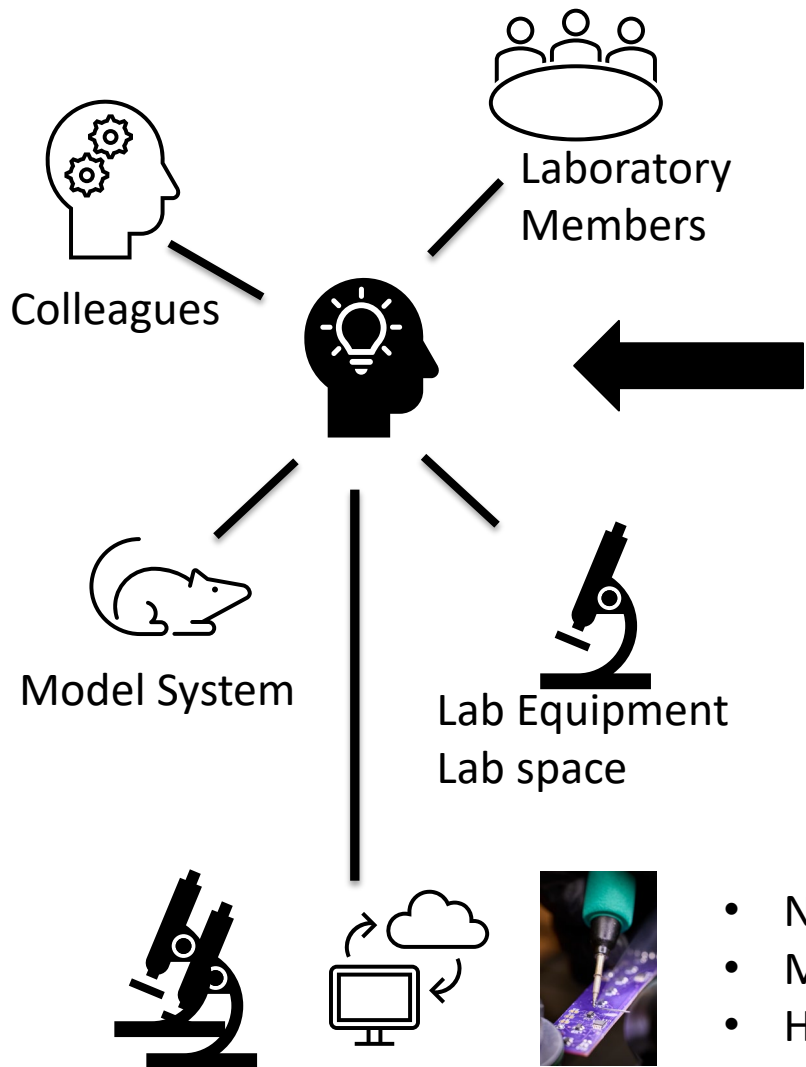


“Research is a chance to discover new things. You can push on this small little corner and find something. Or you can push that boundary a little farther out. It’s gratifying. These moments of discovery deliver glimpses, and we get something new that no one else knows.”

National Institutes of Health (NIH) Grant

Unmasking neuromodulatory control of locomotion

Research Lab




1) Grants – Peer Review

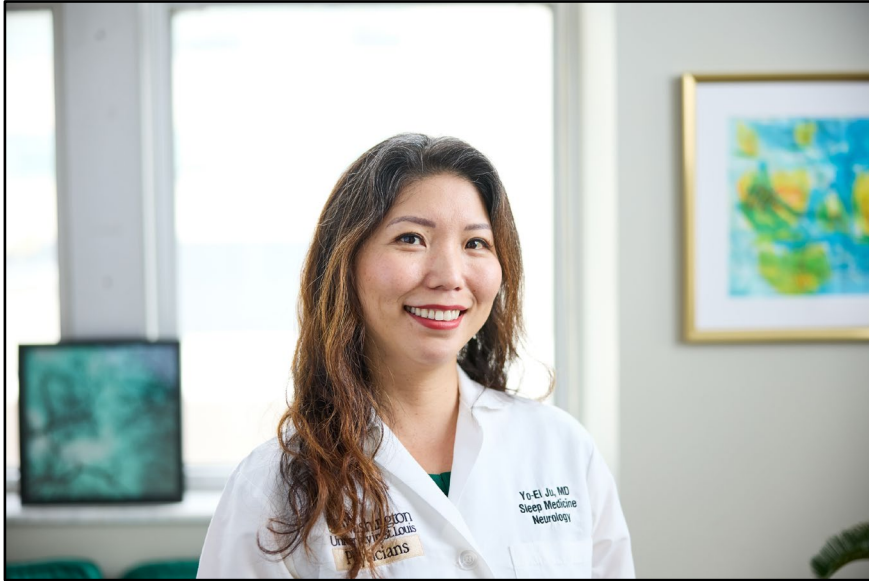

2) University Start up funds


3) Philanthropic gifts

- Neurotech Hub
- Microscopy Facility
- High-Performance Computing



High end core facilities - Equipment and scientific expertise, data management



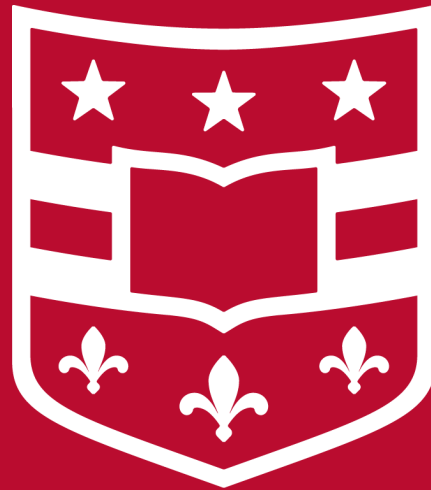
Yo-Ei Ju, PhD
Barbara Burton and Reuben Morriss III
Professor of Neurology, and
Co-Director, Center on Biological
Rhythms and Sleep (COBRAS)



Paul Shaw, PhD
Professor of Neuroscience



THANK YOU



medicine.washu.edu