

# NEUSCI 450: Current Research Literature in Neuroscience (2 credits)

## Animal Models of Human Neuroscience-Related Diseases

Instructors: Randall Eck and Madelyn Hjort | Tuesdays/Thursdays 9:30-10:20am in SIG 224

Open to ALL majors. Please email [reck@uw.edu](mailto:reck@uw.edu)/[mmgray@uw.edu](mailto:mmgray@uw.edu) to take concurrently with BIOL220.

NEUSCI 450 is a graduate-student-led journal club seminar for undergraduate students to gain experience critically analyzing current scientific literature in neuroscience. This quarter, we will read eight papers focused on modeling human neuroscience-related diseases in animals, spanning several model organisms.

### Models Systems:

Yeast  
C. elegans  
Fruit fly  
Zebra fish  
Mouse  
Rat  
Primate  
Organoids

### Disease Classes:

Neuromuscular disease  
Neurodegenerative disease  
Neuropathy  
Neurodevelopmental disorders  
Neuropsychiatric disorders  
Addiction  
Nerve Regeneration  
... and more

