

Department of Pharmacology

2023 - 2024 Seminar Series



Annegret Falkner, Ph.D.

Assistant Professor
Princeton Neuroscience Institute

“Mapping the neural dynamics of social dominance and defeat”

Social experiences can have lasting changes on behavior and affective state. In particular, repeated wins and losses during fighting can facilitate and suppress the likelihood of future aggressive behavior, leading to persistent high aggression or low aggression states. We combine quantitative tools for supervised and unsupervised behavioral analysis with a variety of techniques for neural recording and perturbation, to understand how nodes in the brain's subcortical "social decision-making network" encode and transform aggressive motivation into action, and how these circuits change following social dominance and defeat.

January 30th, 2024
4:00 PM
1220 MRB III

Host: Erin Calipari