



Ann Hermundstad, PhD

Group Leader

Computation & Theory Research Core

*Efficient and Flexible Internal Representations to Link Sensation and Action*

Ann Hermundstad is a Group Leader in the Computation & Theory research core at Janelia Research Campus. She studies how the brain creates and uses adaptive sensorimotor representations to generate flexible behavior. Her [lab](#) uses a combination of theory, modeling, and data analysis to explore how neural circuits can do this efficiently and flexibly, and works in close collaboration with experimentalists to test these ideas in behaving animals. Ann received her PhD in Physics from UC Santa Barbara. Before starting her lab at Janelia in 2016, she did a postdoc in theoretical neuroscience with Vijay Balasubramanian, initially at École Normale Supérieure in Paris and later at UPenn in Philadelphia.