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Flexible Identification of Cognitive Computations from Spikes

Tatiana Engel is an Assistant Professor at the Princeton Neuroscience Institute. She uses computational and theoretical approaches to investigate how coordinated activity arises from distributed neural circuitry to drive behavioral and cognitive functions. Her lab develops theory, models, and data analysis methods that leverage newly available large-scale activity recordings from behaving animals to uncover mechanisms of brain function. She also participates in a large-scale collaboration of experimental and theoretical neuroscientists, the International Brain Laboratory.