

## **AI for Cognitive Neuroscience: Promise and Challenges**

There is currently immense excitement over the potential for AI tools to advance cognitive neuroscience. Professor Poldrack will discuss several ways that we are using these tools, including the development of foundation models for neuroimaging data, the development of new knowledge frameworks for cognitive neuroscience, and the acceleration of software development using AI-assisted coding. He will also discuss some challenges that these tools present, particularly regarding the reproducibility and transparency of AI-assisted science.