Boston University Office of Research

Research on Tap

Neuroscience to Data Science and Back

May 2, 2023 | 4-6 PM | Kilachand Center

WELCOME

Gloria Waters	Vice President and Associate Provost for Research
Jerry Chen	Assistant Professor, Biology, CAS
Bobak Nazer	Associate Professor, Electrical & Computer Engineering, ENG

PRESENTATIONS

How Does the Functional Reconfiguration of Human Brain Networks Support Cognition?
Chantal E. Stern, DPhil, Professor, Psychological & Brain Sciences, CAS; Director, Cognitive Neuroimaging Center

Connectome Fingerprinting: Individualized Predictions of Human Brain Functional Organization
David C. Somers, PhD, Professor and Chair, Psychological & Brain Sciences, CAS

Updating Classical Statistical Models to Gain Multivariate Insight in Speech Perception
Emily P. Stephen, PhD, Assistant Professor, Mathematics and Statistics, CAS

Dynamical Systems and Machine Learning Approaches to Understand Neural Circuit Dynamics
Chandramouli Chandrasekaran, PhD, Assistant Professor, Anatomy & Neurobiology, MED; Psychological & Brain Sciences, CAS

Deciphering Neural Algorithms Using Machine Learning and Neural Networks
Brian DePasquale, PhD, Assistant Professor, Biomedical Engineering, ENG

Theoretical Cognitive Neuroscience
Marc W. Howard, PhD, Professor, Psychological & Brain Sciences, CAS

Data Science Approach for the Study of Behavior
Sucheta Chakravarty, PhD, Postdoctoral Research Associate, Psychological & Brain Sciences, CAS

Coding of Space for Guiding Behavior
Michael Hasselmo, PhD, Professor, Psychological & Brain Science, CAS; Director, Center for Systems Neuroscience

Neural Circuits and Strategies for Moving the Body
Michael Economo, PhD, Assistant Professor, Biomedical Engineering, ENG

Learned Dynamics Encode Temporal Expectations, and Also Something About ACh
Jeffrey Gavornik, PhD, Assistant Professor, Biology, CAS