

Joe Tsien

Brain Discovery Institute Co-Director at Augusta University

Augusta, GA, US

Dr. Joe Tsien, a celebrated neuroscientist, is leading the Brain Decoding Project, a large-scale brain activity mapping effort.

Biography

Tsien is a Professor of Neurology, Co-Director of the Brain and Behavior Discovery Institute at the Medical College of Georgia at Augusta University, and an Eminent Scholar of the Georgia Research Alliance in Systems and Cognitive Neuroscience. His laboratory has a long-standing interest in developing and applying various genetic, physiological and mathematical tools to understand how the brain generates memory, knowledge and other cognitive behaviors. Tsien is leading a team of neuroscientists, computer scientists and mathematicians, who are all working on the Brain Decoding Project, a large-scale brain activity mapping effort, which he and his colleagues have initiated since 2007 with the support from the Georgia Research Alliance. Tsien has recently developed the Theory of Connectivity to describe the basic wiring and computational logic of the brain.

Areas of Expertise

Brain Decoding Project, Neurology, Theory of Connectivity, Neuroscience, Memory, Genetics, Cognitive Behavior

Accomplishments

Distinguished Scientist Award

International Behavioral and Neural Genetics Society (2012)

Eminent Scholar - Georgia Research Alliance

Systems and Cognitive Neuroscience

Scientific Achievement Award

Association of Chinese Americans

Bacaner Basic Research Award

Minnesota Medical Foundation

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