Dr. Frohlich’s goal is to revolutionize how we treat psychiatric illnesses. His vision is that understanding brain network activity will enable the development of novel diagnosis and treatment paradigms. He is convinced that such rational design of neurotherapeutics will open the door for individualized, highly effective brain stimulation in psychiatry.

Why does the brain generate rhythmic electrical signals? Do these neuronal oscillations play a causal role in cognition? Can we improve symptoms by restoring brain rhythms that are impaired in disease? These are the kind of questions that Dr. Frohlich investigates in his lab. His passion is to develop new network therapeutics for people with mental illnesses. In his lecture, he will provide an overview of his multidisciplinary work that spans computer simulations, preclinical investigations, and clinical trials.

**“Targeting Neuronal Oscillations: From Theory to Clinical Trials”**

**Flavio Frohlich, Ph.D.**
Associate Professor of Psychiatry, Psychiatry, Cell Biology, Physiology, Biomedical Engineering
University of North Carolina, School of Medicine

Adjunct Associate Professor of Electrical and Computer Engineering, North Carolina State University

**Tuesday, January 14th, 2020**
**4pm**
**Geffen Hall, Room 148**