# Flavio Frohlich, Ph.D., M.S.

**Assistant Professor, Departments of Psychiatry, Cell and Molecular Physiology, and Biomedical Engineering at UNC-Chapel Hill**

Raleigh-Durham, NC, US

Dr. Flavio Frohlich is an assistant professor at UNC-Chapel Hill and the principal investigator at the Frohlich Lab.

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Dr. Frohlich studied electrical engineering at Imperial College in London and the Swiss Federal Institute of Technology in Zurich prior to receiving his PhD in computational neurobiology from the University of California San Diego, where he worked with Dr. Terrence Sejnowski and Dr. Massimo Scanziani. He then went to Yale for postdoctoral studies with Dr. David McCormick.

Frohlich lab research interests are "to understand cortical network dynamics and to become a key contributor to the fields of network neuroscience and brain stimulation. We combine electrophysiology, computational modeling, and engineering principles to investigate how cortical networks generate physiological and pathological activity states and how perturbations can be used to modulate these states. We aim for a rapid translation of our research into the clinical domain for treatment of patients with psychiatric and neurological disorders."

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Mental Health Care, Research, Education/Learning, Health and Wellness

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Neuroscience, Physiology, Matlab, Psychiatry, Information Theory, Neural Networks, Brain Science, Computational Modeling

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Neuroscience Center - Member

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**International Conference on Sleep Spindling**
Presentation

**International Conference on Mechanisms of Anaesthesia**
Presentation

**Riding New Waves and Synchronizing New Ideas**
NYC Neuromodulation Conference 2015

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**University of California, San Diego**
Ph.D. Biology

**Swiss Federal Institute of Technology**
M.S. Electrical Engineering

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**Swartz Foundation Fellowship (2008-2010)**
Full fellowship for postdoctoral research.

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