



Bernstein Center Freiburg



Neurowissenschaftliche  
Gesellschaft e.V.

**This is to certify that**

**Renato Carlos Farinha Duarte**

**successfully participated in the course**

**Analysis and Models in Neurophysiology**

**October 16-21, 2011**

**at the Bernstein Center Freiburg**

The course provides young researchers from the neurosciences with advanced approaches for the analysis of electrophysiological data and the theoretical concepts behind them.

The course includes various topics such as

- Neuron models and spike train statistics
- Point processes and correlation measures
- Systems and signals
- Local field potentials and synaptic plasticity

The course consisted of lectures and matching exercises using Matlab and Mathematica.

**A total of 2 ECTS credits was achieved.**

21.10.2011

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