

BCF/NWG Course

"Analysis and Models in Neurophysiology"

*Sunday, October 8 - Friday, October 13, 2017
Bernstein Center Freiburg, Hansastrasse 9a, 79104 Freiburg, Germany*

Aim of the course:

The course is intended to provide advanced Diploma/Masters and PhD students, as well as young researchers from the neurosciences with approaches for the analysis of electrophysiological data and the theoretical concepts behind them.

The course includes various topics such as:

- Neuron Models and Point Processes (Prof. Stefan Rotter)
- Local field potentials (Prof. Ulrich Egert)
- Functional Imaging (Dr. Pierre LeVan)
- Neural Decoding (Prof. Carsten Mehring)

The course will consist of lectures in the morning and matching exercises using Matlab and Mathematica in the afternoon. The participants should have a basic understanding of scientific programming. This course is designated especially for advanced diploma/master students and PhD students (preferentially in their first year).

Application:

Please apply by sending one single pdf document containing your CV and a meaningful letter of motivation to nwg-course@bcf.uni-freiburg.de.

The letter of motivation should refer to the following points:

- Reasons for wanting to take this course
- Background in mathematics
- Background in scientific programming
- Experience in using Matlab and Mathematica
- Background in neuroscience

The course is limited to 20 participants.

Course fees: NWG members - free, others - 125€

Application deadline: June 15, 2017

More information: <http://www.bcf.uni-freiburg.de/events/conferences-workshops/20171008-nwgcourse>