

# FieldTrip Weekend Workshop NYC



## Speakers

Saskia Haegens & Stephen Whitmarsh

## Date

February 5-6, 2011

## Location

City College of New York, 138th Street and Amsterdam Avenue, NYC

## Program

*Day 1 - Saturday 5 Feb*

Lecture: An introduction into EEG and the FieldTrip toolbox

Hands-on: Getting started with ERPs

Lecture: Fundamentals of neuronal oscillations and synchrony

Hands-on: Time-frequency analysis of power

*Day 2 - Sunday 6 Feb*

Lecture: Non-parametric randomization techniques

Hands-on: Parametric and non-parametric statistics on event related potentials

Demonstration: Working with Biosemi data – a full analysis example

Discussion: Solutions for design and analysis issues of your own experiment

## Aim

Aim of this workshop is to familiarize staff members and students of City College NYC with the open source Matlab toolbox Fieldtrip. Please check the website <http://fieldtrip.fcdonders.nl/> for details. Lectures will cover advanced signal processing issues as implemented in Fieldtrip. Additional hands-on sessions will show how to import, preprocess and analyze MEG/EEG demo data recorded in our lab. Furthermore we will demonstrate and provide support for the importing and analyzing ERP data (Biosemi) from an on-site experiment. There will be desktops at the location with Matlab, Fieldtrip and the demo data installed.

## Participation

The Fieldtrip workshop is organized by invitation of City College NYC for their staff and students (~10 people). There will be, however, room for another 10 unaffiliated participants. Participation will cost \$200 (including lunch). Please note that we can accept only a very limited number of participants. Participants should have a reasonable background in using Matlab. If you wish to attend the workshop, please contact me [[s.whitmarsh@science.ru.nl](mailto:s.whitmarsh@science.ru.nl)] as soon as possible.