

# ***Model-based and Model-inspired Analysis of Electrophysiological Data***

Date: Monday June 1, 2015 (10-17 h.)

Location: Radboud University Campus, Erasmuslaan 9, Room 01.15

## **Speakers**

Stefano Panzeri (Italian Institute of Technology)

A dynamical model of the effect of locus coeruleus firing on single-trial cortical state dynamics and sensory processing

Michael Cohen (University of Amsterdam)

The elephant in the room: Where does EEG come from and what does it mean?

Klaus Linkenkaer-Hansen (Free University of Amsterdam)

Estimating excitation-inhibition balance from M/EEG data using novel biomarkers derived from the critical oscillations model

Markus Ullsperger (University of Magdenburg)

Performance-monitoring signals in the EEG

Rikkert Hindriks (University of Pompeu Fabra)

Dynamic tomographic imaging of spontaneous cortical rhythms

Francesco Battaglia (Radboud University)

Methods for detecting cell assemblies and sequences from neural ensemble recordings

Mark Roberts and Eric Lowet (Maastricht University)

Similarities and differences of human MEG and monkey LFP gamma band response to luminance contrast; Use of modeling to bridge the gap

Marcel van Gerven (Radboud University)

Probing cortical representations with deep neural networks

Entrance is free, but registration is required. To register, send an email to [registration@donders.ru.nl](mailto:registration@donders.ru.nl), mentioning "Symposium June 1" in the subject.

There is a limited number of available places; participants will be admitted on a first-come first-serve basis.