



## 2<sup>nd</sup> Belgian Neuroinformatics Congress

4<sup>th</sup> Dec 2015, Irish College, Leuven

Dear Colleagues,

It is our pleasure to invite you to the Second Belgian Neuroinformatics Congress, which will take place on 4<sup>th</sup> Dec 2015 in Irish College, Jansenusstraat 1, 3000 Leuven.

Deciphering the detailed structure of the brain and how different brain regions interact are two of the grand challenges for Neuroscience in 21<sup>st</sup> century. To help addressing these issues, the Belgian Neuroinformatics Node with the support of FWO, IMEC, KU Leuven, and U Antwerpen will organize a meeting dedicated on the tools for studying

### Large scale cerebral networks

The main objective of the coming congress will be to present and discuss state of the art in the study of dynamical interactions in neuroscience. The congress will feature world-class key note and invited speakers and will provide possibilities of ample interaction between young researchers and established investigators by means of a dedicated poster and demo session. Following a peer review submitted abstracts will be published in *Frontiers of Neuroinformatics* (IF 3.261, 2014).

#### Keynote speakers

- Pascal Fries: <http://www.esi-frankfurt.de/research/fries-lab/>
- Gustavo Deco: <http://cns.upf.edu/gustavo/>
- Tim Harris, Janelia farm, HHMI, USA <http://www.hhmi.org/scientists/timothy-d-harris>

The presentations and discussions will focus on:

- analysis of neuroimaging data collected at different spatial and temporal scales (from neurons to macro-regions of the brain, with electrophysiological, optical techniques and fMRI),
- microscopy (two-photon) data from behaving rodents and
- large scale electrophysiological recordings from behaving animals as well as models of brain activity.



The link between all of these diverse experimental conditions is the objective to understand how the conscious brain works.

Registration is available on: <http://neuroinformatics.be/event/2nd-belgian-neuroinformatics-congress-2/>

Important Dates:

- Registration closes on 15 Nov 2015
- Abstract submission closes on 15 Oct 2015

Looking forward to seeing you there,

Organizing committee