

2ND WORKSHOP ON

Neuroengineering: Electroceuticals

Using bioelectronics and electrical stimulation
as therapeutic strategies in neurology

09-10 APRIL 2018

i3S - INSTITUTO DE INVESTIGAÇÃO E INOVAÇÃO EM SAÚDE

THE ORGANIZERS:

Paulo Aguiar, i3S / INEB | João Ventura, IFIMUP-IN

Programme covering different topics in neuroengineering and Hands-on practical sessions on basic lab techniques.

SPEAKERS

Wouter A. Serdijn
Delft U. Tech., NL

Michele Giugliano
U. Antwerp, BE

Marco Capogrosso
U. Fribourg, CH

among others

HANDS-ON PRACTICAL SESSIONS

- S1 - Basics of Neuronal Cell Cultures
- S2 - Memristors as artificial synapses: neuromorphic applications
- S3 - Principles of patch-clamp electrophysiology
- S4 - *in silico* neuroscience and detailed simulations of neurons
- S5 - Principles of multielectrode arrays (MEAs) electrophysiology
- S6 - Imaging neuronal activity with voltage sensitive dyes (VSD)

REGISTRATION DEADLINE

Early bird: 26th February 2018 | Regular: 23rd March 2018

A JOINT INITIATIVE BETWEEN i3S & THE DISCOVERIES CTR



União Europeia
Fundo Europeu de
Desenvolvimento Regional

NORTHERN DISCOVERIES: THE DISCOVERIES CTR - SETTING SAILS (85420)

REGISTRATION & MORE INFO AT:

www.i3S.up.pt

ADVANCED TRAINING UNIT: TRAINING@I3S.UP.PT

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