

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: 19th 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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