

5th INCF National Node of Finland Workshop on Neuroinformatics

Neuroinformatics and Brain Disorders

Time: Friday, November 30th, 2012

Place: Seitsemäs Taivas, Yliopistonkatu 60 A (7. Krs), Tampere

Neuroinformatics integrates information across all scales of neuroscience - from genes to behavior - to help understand the brain and treat disease. The International Neuroinformatics Coordination Facility (INCF) is an organization established to develop and maintain database and computational infrastructure for neuroscientists. Recent initiatives within the INCF member countries include informatics tool development for better understanding and treatment of brain-related diseases, among them dementia and mental disorders. Infrastructure and informatics tools are required to integrate data from different scales and link symptoms to the underlying disease causes. The aim of the 5th National Neuroinformatics Workshop in Finland is to deliver state-of-the-art developments in this challenging field.

Workshop program

- 09.30 Registration and hanging up posters
- 10.00 ***Opening of the workshop: What is neuroinformatics?***
Marja-Leena Linne (INCF National Node of Finland)
- 10.15 ***Novel methods for treatment of affective and behavioral impairment due to frontal lobe damage or dysfunction***
Kaisa Hartikainen (Tampere University Hospital, Behavioral Neurology Research Unit)
- 11.00 Coffee, networking and poster viewing
- 11.25 ***INCF DataSpace: Global distribution of neuroinformatics datasets***
Raphael Ritz (International Neuroinformatics Coordination Facility, Stockholm, Sweden)
- 12.10 ***EUDAT - Towards a pan-European collaborative data infrastructure***
Damien Lecarpentier (CSC - IT Center for Science Ltd., Helsinki)
- 12.30 Lunch (served in a nearby restaurant)
- 13.30 ***Computational approaches to explore the role of astroglia in dysfunction and self-repair in the brain***
Liam McDaid (University of Ulster, Northern Ireland)
- 14.15 ***Decision support tool for objective diagnostics of Alzheimer's disease***
Jussi Mattila (VTT Technical Research Centre of Finland, Tampere)
- 14.45 Coffee, networking, poster viewing and demos on INCF DataSpace
- 15.15 ***Brain-inspired learning algorithms for motor control***
Tayfun Gürel (Bernstein Center Freiburg, Germany)
- 15.45 Panel discussion
Chaired by: Marja-Leena Linne
- 16.30 Closing remarks and Prize for best poster
- 17.30 Informal gathering in Restaurant Como, Hämeenkatu 7 (at everyone's own cost)