

MONDAY 12th NOVEMBER 2018

SYMPOSIUM

*MULTIVARIATE ANALYSES, MODELLING
AND MACHINE LEARNING IN NEUROIMAGING RESEARCH*

Organization:

TMBI: Clinical Neuroscience / Neuroimaging & Methods modules

ToNIC U1214: Pierre Payoux, Laure Saint-Aubert, Federico Nemmi

Date: 12th of November 2018 (13h15 -19h00)

Location: Conference room Pavillon Baudot (1st floor), Purpan Toulouse Hospital

Free but **mandatory registration** by email to:
Laure Saint-Aubert : laure.saint-aubert@inserm.fr

PROGRAM

13:15 – 13:30 Coffee

13:30 – 13:45 Opening

13:45 – 14:30 Data-driven identification of endophenotypes of Alzheimer's disease progression: implications for clinical trials and therapeutic interventions

Dr Nophar Geifman (University of Manchester, Manchester, UK)

14:30 – 15:15 Fully data-driven pipeline for clinical sub-groups classification

Dr Federico Nemmi (ToNIC INSERM, Toulouse, France)

15:15 – 16:00 Digital models of Alzheimer's disease progression

Dr Stanley Durrleman (INRIA & ICM, Paris, France)

16:00 – 16:15 Break

16:15 – 17:00 Deriving reproducible biomarkers from multi-site data

Dr Gael Varoquaux (INRIA & NeuroSpin, Paris, France)

17:00 – 17:45 Multivariate modelling of brain ageing: applications in normal ageing and disease

Dr James Cole (King's College, London, UK)

17:45 – 18:00 Closing remarks

18:00 – 19:00 Refreshments