CME PROGRAMME

Educational Aim

The interdisciplinarity of the themes and the international prominence of the speakers make this event extremely interesting for professors, researchers, PhD and university students whose research activity is in the fields of psychology, medicine, neuroscience, biology, complex systems and biostatistics.

CME ACCREDITATION

Provider (173) Università degli Studi di Torino

Ministero della Salute - 173-258234

Crediti ECM: 4,2

ecm@unito.it

ACCREDITED PROFESSIONS

MD (Radiology, Neurology, Psychiatry, Physiatry, Neurosurgery, Neuropsychiatry)
PSYCHOLOGIST (Psychology, Psychotherapy)
SPEECH THERAPIST
RADIOLOGY TECHNICIAN
TECNICO DI NEUROFISIOPATOLOGIA

REGISTRATION

Participation is free but limited to 300 attendees (up to 150 for CME applicant).

For registration with CME go to the web page:

http://www.dam.unito.it/eventiecm/
select the section **Events**, click on the event:
New frontiers of connectivity analysis
and fill in the registration form at the bottom of the page.
In case of technical problems, please send an email to:
eventiecm.dam@unito.it
or call **011-6709549**
For registration without CME go to:
https://forms.gle/oFEKzca187oPj6Ub6

To obtain the ECM credits, the participant must:

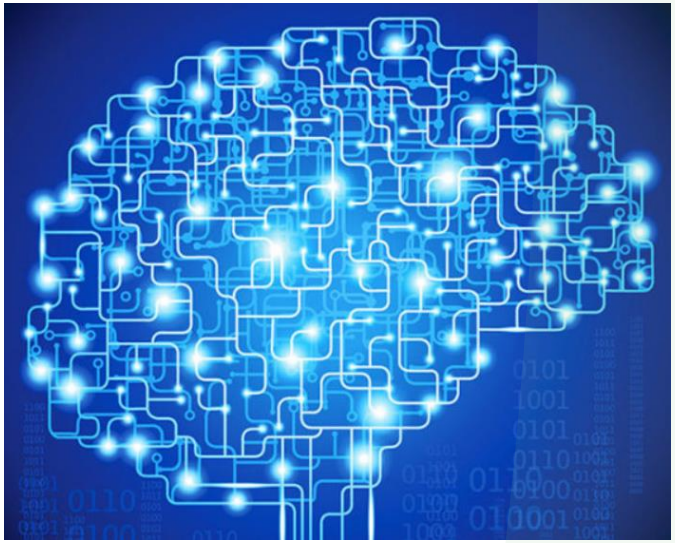
- attend at least 90% of the formative program
- sign in and out
- answer correctly to the final questionnaire (75% of correct responses)
- fill in the event assessment and personal data forms

Ospedale Koelliker
Prima la persona

UNIVERSITÀ DEGLI STUDI DI TORINO

NEW FRONTIERS OF CONNECTIVITY ANALYSIS

from healthy brain to pathoconnectomics



15 June 2019

Congress Centre Torino Incontra

Via Nino Costa 8 - Torino

The last two decades of neuroscience research have witnessed a shift of focus from the study of single brain areas to the analysis of brain networks. Today studies of brain connectivity form a growing and prolific field of research.

Recently some of these investigations have highlighted that the pathways through which cerebral areas are connected and exchange information might play an important role in the development of psychiatric and neurodegenerative disorders.

Pathoconnectomics, which is a new branch of neuroscience, aims to study this complex interplay between disorders and brain connectivity in order to reach a better understanding of the pathological brain.

This meeting brings together some of the most active and prominent researchers in this fascinating branch of neuroscience, allowing the flourishing of an international discussion which provides a unique window into the latest finds of brain connectivity studies.

Scientific Committee

Prof. Franco Cauda
Dr. Tommaso Costa
Dr. Sergio Duca

PROGRAMME

10:00 **Participants registration**
10:15 **Greetings and introduction**
(A. Ansaldi – Koelliker Hospital CEO)
(S. Duca – Koelliker Hospital)
(A. Vercelli – NIT director)
(G.C. Geminiani – Department of Psychology, UNITO)

Chair: A. Nani

10:30 **Can we use functional connectivity to identify brain mechanism underlying therapeutic change?**
Xavier Castellanos
Director of the "Center for Neurodevelopmental Disorders
Langone Health Hospital - New York University

11:15 **Reliance on the faulty predictions: a source of bias and suffering**
Javeria Hashmi
Director of the "Brain Networks & Neurophysiology Lab"
Dalhousie University of Halifax (Canada)

12:00 **Discussion**

12:45 **Lunch**

Chair: J. Manuello

14:00 **Transition graph of human functional brain networks**
Nicolas Crossley
Pontifical Catholic University of Chile

14:45 **Precise localization of abnormal spontaneous brain activity by resting-state fMRI**
Yu-Feng Zang
Director of the "Center for Cognition and Brain Disorders"
Hangzhou Normal University - China

PROGRAMME

15:30 **Using meta-analyses as prior for pathoconnectomics**
Simon Eickhoff
University of Dusseldorf
and Julich University

16:15 **Discussion**

17:00 **Discussion and ECM questionnaire**

Sponsored by:

Department of Psychology of the University of Turin
Dottorati di Scienze Psicologiche, Antropologiche e dell'Educazione, Neuroscienze e Sistemi Complessi, Modeling and Data Science dell'Università di Torino

Organization for Human Brain Mapping (OHBM)

Organization for Human Brain Mapping
Advancing Understanding of the Human Brain

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