

On behalf of the European MEG society (EMEGS)

Investigation of resting state functional connectivity with MEG: From theory to clinical applications.

BRUSSELS · BEDFORD HOTEL · 23 OCTOBER 2015

8:45–9:00 *Welcome:* Patrick Van Bogaert, Brussels, BEL.

SESSION 1. *Chair:* Serge Goldman, Brussels, BEL.

9:00–9:30 *Functional connectivity analyses in MEG:*
Vincent Wens, Brussels, BEL.

9:30–10:00 *Opportunities and challenges in MEG resting-state
network analyses.* Arjan Hillebrand, Amsterdam, NED.

10:00–10:30 *Old and new techniques to analyze phase synchronization
from resting state interictal MEG activity:*
Ernesto Pereda. Madrid, ESP.

10:30–11:00: **Coffee Break**

SESSION 2 *Chair:* Arjan Hillebrand, Amsterdam, NED.

11:00–11:30 *Measurement of amplitude envelope based functional
connectivity using MEG:* Matthew Brookes, Nottingham, GBR.

11:30–12:00 *A dynamic core network in the brain at rest*
Francesco de Pasquale, Chieti, ITA.

12:00–12:30 *Using computational models to understand
brain network dynamics:* Joana Cabral, Oxford, GBR.

12:30–14:00 **Lunch**

SESSION 3 *Chair:* Stefan Hermann, Erlangen, GER.

14:00–14:30 *Functional network disruption as an early biomarker
for Alzheimer's disease:* Fernando Maestu, Madrid, ESP.

14:30–15:00 *Subcortico-cortical connectivity in Parkinson's disease –
lessons learned from simultaneous MEG and local field
potentials recordings:* Jan Hirschmann, Dusseldorf, GER.

15:00–15:30 *MEG source imaging based resting-state functional connectivity
study in mild TBI:* Mingxiong Huang, San Diego, USA.

15:30–16:00: **Coffee Break**

SESSION 4 *Chair:* Fernando Maestu, Madrid, ESP.

16:00–16:30 *What MEG tells us about multiple sclerosis?*
Prejaas Tewarie, Nottingham, GBR.

16:30–17:00 *MEG assessment of brain plasticity in stroke recovery:*
Franca Tecchio, Roma, ITA.

17:00–17:30 *MEG functional connectivity in epilepsy:*
Stefan Rampp, Erlangen, GER.

17:30–17:45 *Conclusions:* Xavier De Tiège, Brussels, BEL.

We are very much looking forward to welcome you on October 23

