

**4th European Molecular and Cellular Cognition Society (EMCCS) Satellite Meeting at
FENS
July 1-2 2010, Amsterdam, The Netherlands**

LOCATION:

West-Indisch Huis,
Herenmarkt,
Amsterdam, The Netherlands

REGISTRATION:

Web site of the Society: www.molcellcog.org

ORGANISERS:

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Chris de Zeeuw, Netherlands Institute of Neuroscience, Amsterdam (c.dezeeuw@erasmusmc.nl)

PROGRAMME:

During the 4th EMCCS-FENS satellite meeting several aspects related to cellular and molecular mechanisms of learning and memory will be discussed, including synaptic tagging, control of cerebellar function, X-Fragile, regulation of synaptic function at the network level, stress and memory, epigenetics, CREB dependent learning. Please note that 8 speakers have been selected from submitted abstracts out of 16 in total.

Thursday, July 1, 2010

18:30 - 21:30 Wine and Cheese Poster Session

Friday, July 2, 2008

09:00 Opening Remarks: Riccardo Brambilla, San Raffaele Institute, Milan, Italy

Chair: Riccardo Brambilla, San Raffaele Institute, Milan, Italy

- 09:05 - 09:25 Claudia Bagni, Catholic University of Leuven, Belgium "Molecular Aspects of Brain Plasticity: linking Fragile X Syndrome and Alzheimer Disease"
- 09:25 - 09:45 Riccardo Brambilla, San Raffaele Institute, Milan, Italy "Cognitive impairment in Ras-MAPK syndromes is mediated by an abnormal GABA mediated ERK signaling"
- 09:45 - 10:05 Dorothy Tse, University of Edinburgh, UK "Using immediate early gene mapping to identify cortical regions involved in encoding new paired-associates in a schema"
- 10:05 - 10:25 Sara Aton, University of Pennsylvania, USA "Cellular and network mechanisms for sleep-dependent consolidation of plasticity in the visual cortex"

10:25 - 11:00 Break

Chair: Isabelle Mansuy, University Zürich/ETHZ, Switzerland

- 11:00 - 11:20 Carmen Sandi, EPFL, Lausanne, Switzerland "Stress at learning facilitates memory formation by regulating synaptic protein trafficking"
- 11:20 - 11:40 Chris de Zeeuw, Amsterdam, The Netherlands "Cellular mechanisms underlying cerebellar motor learning"
- 11:40 - 12:00 Anne- Laurence Boutillier , Strasbourg, France "HATs and H2B/H4 acetylation dynamics in the consolidation of spatial memory"
- 12:00 - 12:20 Laure Rondi-Reig, University P et M Curie, France "A functional link between the cerebellum and the hippocampus relevant to spatial navigation"

12:20- 14:00 Lunch

Chair: Peter Seeburg, Heidelberg, Germany

- 14:00 - 14:20 Richard Morris, Edinburgh, UK "Synaptic and behavioural tagging "
- 14:20 - 14:40 Angel Barco, Alicante, Spain "Transcriptional regulation of neuronal plasticity and memory "
- 14:40 - 15:00 Noam Meiri, Bet-Dagan, Israel "miR-138 inhibits methylation of histone H3 at lysine 27 and affects thermotolerance acquisition and memory"
- 15:00 – 14:20 Tali Rosenberg, University of Haifa, Israel "Inhibition of the proteasome bi-directionally affects learning and memory process in the cortex"

15:20 - 15:40 Break

Chair: Chris de Zeeuw, Netherlands Institute of Neuroscience, Amsterdam

- 15:40 - 16:00 Todd Sacktor, New York, USA "Long-term memory storage by PKM zeta "
- 16:00 - 16:20 Rui Costa, NIH, USA "Neural mechanisms of action learning: from intent to habit"
- 16:20 - 16:40 Gregory Bissonette, University of Maryland, USA "GABA and reversal learning: What the mouse can teach us"
- 16:40 - 17:00 Timothy Bredy, Queensland Brain Institute, Australia "The brain-specific microRNA, miR-128b, belongs to an activity-dependent gene regulatory network associated with fear extinction"
- 17:30 - 19:00 General Assembly of EMCCS