



EMCCS-FENS 7th biannual meeting and 1st EBBS-EMCCS join meeting A satellite event of the FENS Forum 2016 at Copenhagen

The 7th biannual EMCCS meeting will be held in Copenhagen at The Lundbeckfond Auditorium on June 30th and July 1st, 2016 immediately before the FENS meeting. This will be the 1st Join Meeting of EMCCS and EBBS. The meeting will survey recent discoveries in the field of molecular and cellular cognition. There will be 28 oral presentations including 9 short talks chosen from submitted abstracts. As in previous occasions, there will be a "Wine&Cheese" poster session in the evening of June 30th.

- **When:** Meeting will start at 14:30 on June 30th and finish at 18:50 on July 1st.
- **Where:** The Lundbeck Foundation Auditorium, Copenhagen Biocenter, University of Copenhagen. Address: Ole Maaløes Vej 5. DK-2200 Copenhagen N, Denmark.
- **Web of the venue:** <http://www.biocenter.ku.dk/english/auditorium/>

Attendance requires the payment of a fee at www.EventBrite.com

EMCCS-IBRO/PERC TRAVEL GRANTS: EMCCS and IBRO/PERC will provide up to 10 travel grants for students and young investigators to attend the EMCCS-EBBS-FENS Satellite meeting in Copenhagen. Please check <http://emccs.org/activitie-detail.php?recordID=26> for updates and additional information



Special sessions dedicated to:

- ◆ MOLECULAR AND CELLULAR MECHANISMS OF LEARNING AND MEMORY
- ◆ BRAIN CIRCUITS AND BEHAVIOR
- ◆ NEURODEGENERATIVE AND NEURODEVELOPMENTAL DISORDERS
- ◆ PSYCHIATRIC DISORDERS AND COGNITION

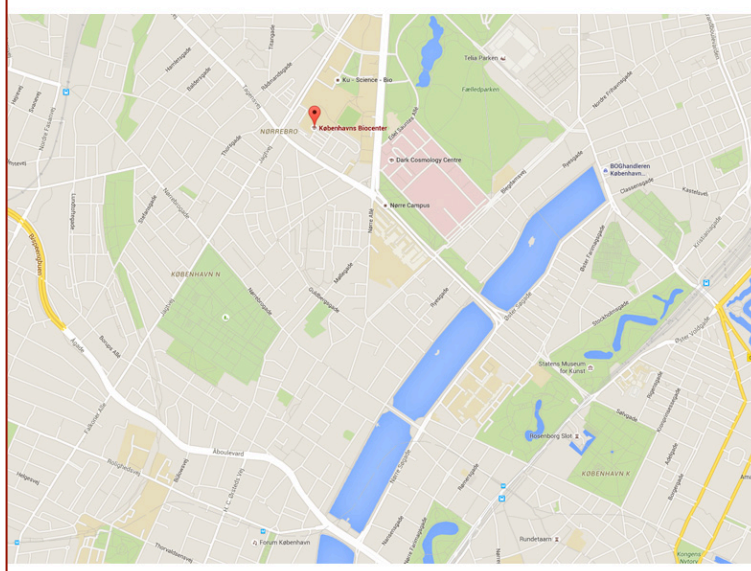
Poster Session:

Posters will be on display, from 13:00 in June 30th to 19:00 in the evening of July 1st. Poster boards will have a landscape format, approximately 135 x 95 cm (same dimensions than in FENS)

Meeting sponsors:



Organizers: Ángel Barco (Alicante, Spain), Shira Knafo (Bilbao, Spain) & Nicolas C. Petersen (Copenhagen, Denmark)





Detailed Program:

Thursday, June 30th, 2016

14:30 Welcome: Angel Barco (President of EMCCS, UMH-CSIC, Spain) and Shira Knafo (EBBS, UPV/EHU-CSIC, Spain)

Session 1: MOLECULAR AND CELLULAR MECHANISMS OF LEARNING AND MEMORY I. Chair: Isabelle Mansuy (ETH Zurich, Switzerland)

14:40-15:05 - **Clive Bramham** (University of Bergen, Norway), "The Arc of synaptic memory".

15:05-15:30 – **Marek Rajman** (Gerhard Schratt's lab, University of Marburg, Germany), "A post-transcriptional program coordinates homeostatic synaptic downscaling".

15:30-15:55 - **Christos Gkogkas** (University of Edinburg, UK), "Regulation of protein synthesis in the CNS".

15:55-16:10 – **Konstantin Anokhin** (National Research Center "Kurchatov Institute", Moscow, Russia), "Maps from GAPs: large-scale imaging of memory traces by recombinant immediate-early gene technology".

16:10- 16:40 Break

Session 2: MOLECULAR AND CELLULAR MECHANISMS OF LEARNING AND MEMORY II. Chair: Steven Kushner (Erasmus University, The Netherlands)

16:40-17:05 – **Camilla Bellone** (University of Geneva, Geneva, Switzerland), "SHANK3 controls maturation of social reward circuits in the VTA".

17:05-17:30 - **Pico Caroni** (FMI, Basel, Switzerland), "Assembling and Consolidating Memories".

17:30-17:55 - **Helmut Kessels** (Netherlands Inst. for Neurosci., The Netherlands), "Synaptic plasticity through the activation of AMPA-receptor subunit GluA3".

17:55-18:10 – **Emma Cahill** (University of Cambridge, Cambridge, UK), "Signalling pathways in the amygdala engaged by the reactivation of a fear memory".

18:10-18:25 – **Asami Oguro-Ando** (University Medical Center Utrecht, Utrecht, The Netherlands), "CNTN4, a risk gene for autism spectrum disorders, affects fear conditioning and hippocampal neuronal morphology".

18:25 - 20:30 "Wine and Cheese" Poster Session

Friday, July 1st, 2016

Session 3: BRAIN CIRCUITS AND BEHAVIOR. Chair: Kobi Rosenblum (Haifa U., Israel)

09:00-09:25 - **Pedro Bekinschtein** (Universidad de Buenos Aires, Argentina), "Molecular mechanisms underlying pattern separation in the medial temporal lobe".

09:25-09:50 - **Inbal Goshen** (HU Jerusalem, Israel), "Illuminating Memory: An optogenetic approach to study the role of neurons and glia in memory acquisition and recall".

09:50-10:15 - **Christophe Mulle** (CNRS- Université Bordeaux 2 (France), " Plasticity of CA3 circuits in relation with one-trial memory".

10:15-10:40 - **Inbal Israely** (Champalimaud, Portugal) "Structural correlates of changes in synaptic efficacy".

10:40-10:55– **Jennifer Tudor** (University of Pennsylvania, Philadelphia, USA), "Restoration of protein synthesis rescues memory impairment due to sleep deprivation".



10:55 - 11:30 Break

Session 4: NEURODEGENERATIVE AND NEURODEVELOPMENTAL DISORDERS.
Chair: Shira Knafo (UPV/EHU-CSIC, Spain)

11:30-11:55 - **Maiken Nedergaard** (University of Copenhagen, Denmark), “The Glymphatic System”.

11:55-12:20 - **Ype Elgersma** (University of Rotterdam, The Netherlands), “Neurodevelopmental disorders. From basic mechanisms to clinical trials”.

12:20-12:35 – **Alejandro Medrano-Fernández** (Instituto de Neurociencias, Alicante, Spain), “Temporal impact of Kdm5c loss in X-linked intellectual disability”.

12:35 - 13:00 General Assembly of EMCCS

13:00- 14:30 Lunch

Session 5: PSYCHIATRIC DISORDERS AND COGNITION I. Chair: Harm J Krugers (Universiteit van Amsterdam, The Netherlands)

14:30-14:55 – **Johannes Gräff** (Brain Mind Institute, Lausanne, Switzerland), “An allele-specific chromatin loop associated with Alzheimer’s disease”.

14:55-15:20 - **Shira Knafo** (UPV/EHU-CSIC, Spain), “Bidirectional control of sociability with genetic tools”.

15:20-15:45 - **Ki Ann Goosens** (McGovern Institute for Brain Research at MIT, USA), “Ghrelin: a new metabolic link between stress and fear”.

15:45-16:00 – **Eva Benito-Garagorri** (DZNE, Gottingen, Germany), “BET proteins in learning and memory”.

16:00-16:15 – **Luis Garcia-Rabaleda** (CIMA, Pamplona, Spain), “Unmasking the roles of the juvenile NMDA receptor subunit GluN3A: a behavioral approach”.

16:15 - 16:45 Break

Session 6: PSYCHIATRIC DISORDERS AND COGNITION II. Chair: Jocelyne Caboche (CNRS-UPMC, France)

16:45-17:10 - **Claudia Buß** (Institut für Medizinische Psychologie, Berlin, Germany), “Developmental Programming of Risk for Psychiatric Disorders”.

17:10-17:35 - **Tim Bussey** (Cambridge University, UK), “Bridging the translational divide: Touchscreens unmask cognitive phenotypes in mouse models of neuropsychiatric disease”

17:35-18:00 - **Harm J Krugers** (Universiteit van Amsterdam, The Netherlands), “Stress, synapses and memory formation”.

18:00-18:25 - **Carmen Sandi** (BMI, Lausanne, Switzerland), “Role of brain bioenergetics in anxiety and social behaviors”.

18:25-18:40 – **Pierre Vincent** (UPMC, Paris, France), “A novel class of antipsychotic candidate drug, which target the type 10 phosphodiesterase, reveal an unexpected imbalance in cAMP/PKA signaling between D1 and D2 spiny neurons in the striatum”.

18:40-18:55 – **Cristina Marquez** (Instituto de Neurociencias, Alicante, Spain), “To help or not to help? Behavioral mechanisms of pro-social choice in rats”.

18:55-19:00 Concluding remarks: Angel Barco (EMCCS) & Shira Knafo (EBBS)