



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

The 7<sup>th</sup> biannual EMCCS meeting will be held in Copenhagen at The Lundbeckfond Auditorium on June 30<sup>th</sup> and July 1<sup>st</sup>, 2016 immediately before the FENS meeting. This will be the 1<sup>st</sup> 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 30<sup>th</sup>.

- **When:** Meeting will start at 14:30 on June 30<sup>th</sup> and finish at 18:50 on July 1<sup>st</sup>.
- **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](http://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

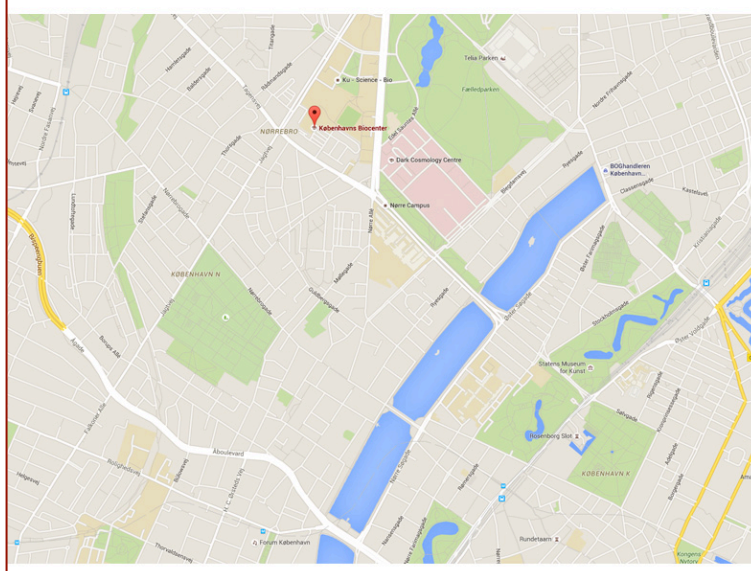
### Poster Session:

Posters will be on display, from 13:00 in June 30<sup>th</sup> to 19:00 in the evening of July 1<sup>st</sup>. 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 30<sup>th</sup>, 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 Edinburgh, 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 1<sup>st</sup>, 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)