

Programme

Days of Molecular Medicine 2008

Cognitive Dysfunction in Disease: Mechanisms and Therapies

April 17 -19, 2008, Stockholm, Sweden

Thursday, April 17th

12.30 Registration Begins

14.00 **Opening Remarks**

Karolinska Institutet: Harriet Wallberg-Henriksson, President
Massachusetts General Hospital: Joseph Martin, Dean, Harvard Medical School
Cell Press: TBA

14.30 **Keynote Address**

Chair: Sten Grillner, Dept of Neuroscience, Karolinska Institutet

Eric Kandel, Center for Neurobiology and Behavior, Columbia University College of Physicians and Surgeons
From Genes to Behaviour
erk5@columbia.edu

15.30 Coffee break

Session One: Cognitive functions and their cellular bases

Session One, Part A: Cognitive Functions

Chairs: Lars-Göran Nilsson, Dept of Psychology, Stockholm University and Stockholm Brain Institute
TBA

16.00 Daniel Schacter, Department of Psychology, Harvard University
Memory systems and their neural correlates
dls@wh.harvard.edu

16.30 Sabine Kastner, Princeton University
Attention
skastner@princeton.edu

17.00 Ray Dolan, University College London
Emotion/memory
r.dolan@fil.ion.ucl.ac.uk

17.30 *Discussion*

18.00 *Poster Session I*

19.00 *Buses leave to the Town Hall*

19.30 Welcome reception at Stockholm Town Hall

Friday, April 18th

Session One, Part B: Cellular Mechanisms of Cognition

Chairs: Ole Kiehn, Dept of Neuroscience, Karolinska Institutet
TBA

9.00 Isabelle Mansuy, University of Zurich
Epigenetics of learning and memory
mansuy@hifo.unizh.ch

- 9.30 Bruce McEwen, Rockefeller, NY
Stress, sex and cognitive processes: role of neuronal remodeling.
mcewen@mail.rockefeller.edu
- 10.00-10.30 *Coffee Break*
- 10.30 Alcino Silva, University of California at Los Angeles
Animal models of learning and memory
silvaa@ucla.edu
- 11.00 Mark Bear, MIT
Cellular mechanisms of learning and memory
mbear@mit.edu
- 11.30 *Discussion*
- 12.00-13.00 LUNCH

Session Two: Cognitive Dysfunctions in Psychiatric and Neurological Disorders

Session Two, Part A: Neurodevelopmental Disorders

Chairs: Joseph Martin, Harvard Medical School
Ivanka Savic, Dept of Clinical Neuroscience, Karolinska Institutet and Stockholm Brain Insti

- 13.00 Nancy Pedersen, Karolinska Institutet
Twinstudies; including studies on both genes and sex
nancy.pedersen@ki.se
- 13.30 Dan Geschwind, Neurology Department, UCLA
Autism genetics
DHG@UCLA.EDU
- 14.00 Matthew State, Department of Genetics, Yale University
Genetics of OCD, Tourette's, mental retardation
matthew.state@yale.edu
- 14.30 *Discussion*
- 15.00 *Coffee break*

Session Two, Part B: Schizophrenia, Bipolar and Other Mood Disorders

Chairs: Torgny Svensson, Karolinska Institutet, Dept of Physiology and Pharmacology
TBA

- 15.30 Trevor Robbins, Department of Experimental Psychology, Cambridge University
Schizophrenia
twr2@cus.cam.ac.uk
- 16.00 Daniel Weinberger, National Institute of Mental Health
Imaging and genetics-various psychiatric disorders, depression, schizophrenia
weinberd@intra.nimh.nih.gov
- 16.30 Lars Farde, Karolinska Institutet
Molecular Biomarkers in Schizophrenia
lars.farde@ki.se
- 17.00 Rene Hen, Dept of Neuroscience and Psychiatry, Columbia Univ College P & S
Neural circuits involved in depression, psychiatric disorders-serotonergic system
rh95@columbia.edu
- 17.30 *Discussion*
- 19.00 Buses leave hotels

19.30 Conference Dinner

Saturday, April 19th

Session Two, Part C: Neurodegenerative Disorders

Chairs: Joseph Martin, Harvard University Medical School
Bengt Winblad, Dept of Neurobiology, Care Science and Society, Karolinska Institutet

9.00 James Gusella, Center for Human Genetics, Massachusetts General Hospital
Genetics of Alzheimer's disease
gusella@helix.mgh.harvard.edu

9.30 Karen Ashe, Brain Science Center, VAMC
Animal Models of Alzheimer's
hsiao005@umn.edu

10.00 *Coffee break*

10.30 Ted Dawson, Institute for Cell Engineering, Johns Hopkins School of Medicine
Neurodegeneration, Parkinson's Disease
tdawson@jhmi.edu

11.00 Adriano Aguzzi, University Hospital of Zürich
Prions and degenerative disorders
adriano.aguzzi@usz.ch

11.30 *Discussion*

12.00 **Special Lecture:** "Challenges of Neuro-Pharmacology in Biotech/Pharma".
Jackie Hunter, Glaxo Smith Kline
Discussion

12.30-14.00 Lunch and Poster Session

Session Three, Part A: Interventional approaches

Chairs: Ola Hermansson, Dept of Neuroscience, Karolinska Institutet
TBA

14.00 Adrian Bird, Institute of Cell Biology, University of Edinburgh
Gene Therapy for Rett syndrome
A.Bird@ed.ac.uk

14.30 Ole Isacson, Department of Neurology and Neuroscience, Harvard Medical School/McLean Hospital
Engineering and transplantation of stem cells
isacson@hms.harvard.edu

15.00 Lars Lannfelt, Public Health/Geriatrics, Uppsala University
Treatment focusing on amyloid for Alzheimer's disease
lars.lannfelt@pubcare.uu.se

15.30 **Coffee break**

Session Three, Part B: Interventional approaches

Chairs: Zsuzsanna Wiesenfeld-Hallin, Dept. of Clinical Neurosciences, Karolinska Institutet
TBA

16.00 Torkel Klingberg, Dept of Woman and Child Health, Karolinska Institutet
Cognitive treatment ADHD
torkel.klingberg@ki.se

- 16.30 Karl Deisseroth, Bioengin & Psych, Stanford University
Bioengineering/technology development for perturbing circuits for treatment of disease
deissero@stanford.edu
- 17.00 Helen Mayberg, Department of Psychiatry, Emory University
Deep brain stimulation, depression
hmayber@emory.edu
- 17.30 Discussion
- 18.00 **Concluding remarks**