7ª EMBL/EMBO Science and Society Conference 2006

GENES, BRAIN / MIND AND BEHAVIOR

PROGRAMME

Friday, 3 November
08:00-09:00 Registration

09:00-09:15 Welcome addresses:
 Frank Gannon, Executive Director, EMBO
 Halldór Stefánsson, Science and Society Programme, EMBL

Session I: Genes and behavior

Chair: Erik Parens, The Hastings Centre, N.Y.

09:30-10:00 Barry Dickson, IMP, Vienna
Genetic analysis of innate behaviours in Drosophila

10:00-10:30 Ulrike Heberlein, UCSF, USA
Drugs, flies and videotape: What can fruit flies teach us about drug addiction?

10:30-11:00 Coffee break

11:00-11:30 Turhan Canli, Stony Brook University, New York
Genomic Psychology – An outlook for the next 100 years

11:30-12:00 Pierre Roubertoux, CNRS-Université de la Méditerranée, Marseille
From DNA to the Mind: the meaning of the link

12:00-13:30 Lunch break

Session II: From genes to brain / mind

Chair: Hannah Monyer, Department of Clinical Neurobiology, University of Heidelberg

13:30-14:00 Wolf Singer, MPI für Hirnforschung, Frankfurt
The role of coherence in higher cognitive processes

14:00-14:30 Jean-Pierre, Changeux, Pasteur Institute, Paris
Making of the brain: genetic and epigenetic regulations - from molecular biology to consciousness

14:30-15:00 Isabelle Mansuy, Brain Research Institute, University of Zürich/ETHZ
Molecular constraints on learning and memory

15:00-15:30 Rava A. da Silveira, École Normale Supérieure, Paris
Sophisticated Visual Adaptation in the Retina
Thomas Metzinger, Johannes Gutenberg-Universität, Mainz

15:30-16:00  
*From Neuroethics to Consciousness Ethics: The Wider Context*

16:00-16:30  
Coffee break

16:30-18:00  
**Panel discussion**
Chair: Nikos Logothetis, MPI for Biological Cybernetics, Tübingen
Klaus-Peter Lesch, University of Würzburg
Cornelius Gross, EMBL Monterotondo
Petra Stoerig, University of Düsseldorf
Steven Rose, Open University, Milton Keynes

18:00-18:20  
EMBO Award for communication in the Life Sciences

19:00-21:00  
**Conference banquet at the EMBL**

Saturday, 4 November

**Session III: The mind/body shop: behavioral drugs and new neurotechnologies**
Chair: Rainer Spanagel, Heidelberg University

09:00-09:30  
Thomas Dierks, Univ. Hospital for Clinical Psychiatry Waldau
*Neuroimaging techniques: possibilities and limitations with regard to normal and pathological brain function*

09:30-10:00  
Lars Sundstrom, CSO of Capsant Neurotechnologies, Southampton
*Drug discovery: Thinking inside the box*

10:00-10:30  
Michael Kosfeld, University of Zürich
*Games in the Brain*

10:30-11:00  
Coffee break

11:00-11:30  
Ilina Singh, BIOS – London School of Economics
*Doing Bad and Feeling Good: Stimulant Drugs in Childhood*

11:30-12:00  
Paul Root Wolpe, University of Pennsylvania
*Bioethics, Biotechnology, and the Brain*

12:00-13:30  
Lunch break

**Session IV: From ‘genethics’ to ‘neuroethics’?**
Chair: Alexandre Quintanilha, Institute for Molecular and Cell Biology, Porto

13:30-14:00 Adina Roskies, Dartmouth College, Hanover, U.S
   Neuroethics beyond genethics

14:00-14:30 Judy Illes, Stanford University, School of Medicine
   From Genetics to Neuroethics: Is Imaging “Visualizing” Human Thought?

14:30-15:00 Erik Parens, The Hastings Centre, N.Y.
   Three Concerns about the Balkanization of Bioethics

15:00-15:30 Raymond G. DeVries, University of Michigan, Ann Arbor
   Firing the Neuroethical Imagination

15:30-16:00 Jackie Leach Scully, University of Newcastle
   The Ship Who Sang: the neuro-machine interface as prosthetic, extension, and fantasy

16:00-16:30 Coffee break

16:30-18:00 Panel discussion
   Chair: Nikolas Rose, BIOS – London School of Economics
   Alison Abbott, Nature, Germany
   Jörg Naumann, Deutsches Hygiene-Museum, Dresden
   Turhan Canli, Stony Brook University, New York
   Alexander Quintanilha, Institute for Molecular and Cell Biology, Porto

18:00-18:15 Closing remarks (Iain Mattaj, Director General, EMBL)