

Neurotrain Programme TC1 Vienna, July 7th – 11th, 2006

Friday, July 7th 2006

Satellite Symposium

The Psychoanalysis of Love and Hate vs the Neurobiology of Attraction -

In Honour of the 150th birthday of Sigmund Freud

LOCATION

Hörsaalzentrum, Uni Campus, the Old General Hospital (AAKH), Spitalgasse 2

10:00

Opening Address: Wolfgang Schütz, Rector of the Medical University of Vienna

10:05

Semir Zeki (London, UK):

The Neurobiology of Sigmund Freud's 'Civilization and its Discontents'.

11:00

Marianne Leuzinger-Bohleber (Frankfurt, Germany):

Psychoanalysis of love and hate.

12:00

Jaak Panksepp (Toledo, Ohio, USA):

The affective neuroscience of joy and sadness: implications for psychiatry.

15:00

Juliet Mitchell (Cambridge, UK):

Thinking again about why hate may be older than love.

16:00

Peter Fonagy (London, UK):

Violent attachments.

17:00

Keith Kendrick (Cambridge, UK):

Mothers and sons, fathers and daughters: evidence for sexual imprinting.

18:00

Kerstin Uvnäs-Moberg (Stockholm, Sweden):

Sensory interplay between mother and infant at birth – possible long term physiological and behavioural consequences.

19:30

Movie theatre at the "Österreichische Filmmuseum" (located in the "Albertina", Augustinerstrasse 1, 1010 Vienna, Austria). Details, including film titles related to Sigmund Freud, will be announced.

Saturday, July 8th 2006

10:00

August Ruhs (Vienna, Austria):

The pursuit of pleasure, the fascination with sameness, the desire of the other.

11:00

Paul Verhaeghe (Gent, Belgium):

Looking for lost love: alexithymia versus romanticism.

12:00

Barry Dickson (Vienna, Austria):

The genetics and neurobiology of love and hate: lessons from fruit flies?

13:00

Semir Zeki (London, UK):

The many consciousnesses of the brain.

17:00

Forum Plenary Lecture

Gyorgy Buzsaki: Oscillatory Control of cell assemblies

Sunday, July 9

8:30

Forum Plenary Lecture

Tim Bliss: The synaptic basis of memory

11:30

FENS/European Brain Council (EBC) symposium:

About advancing neuroscience in Europe, with contributions from FENS, the European Brain Council and representatives of the European Commission

(6-7 speakers/representatives from EBC and the European Commission)

17:30

Forum Plenary Lecture

Roger Nicoll: The cellular and molecular basis of synaptic plasticity

Monday, July 10

8:30

Forum Plenary Lecture

Eve E. Marder: Stability and plasticity in neuronal networks

11:30

Symposium

One hundred years after the 1st Nobel Prize to the neurosciences in 1906

This symposium is aimed at a celebration the centennial of the Nobel Prize in Physiology or Medicine awarded jointly to Camillo Golgi and Santiago Ramón y Cajal in 1906 "in recognition of their work on the structure of the nervous system". The Nobel Prize had been instituted five years earlier (in 1901), and this was the first Prize whose official motivation focused on discoveries on the nervous system. One hundred years later, it is remarkable to note that a considerable proportion of the Nobel Prizes has been awarded to the neurosciences. The symposium will briefly overview this topic, acknowledging some of the work done by the neuroscience community, since many neuroscientists (and especially the junior ones) may not be aware of this itinerary of knowledge and its recognition. In addition, the symposium will briefly touch upon the matter dealing with the progress in technologies which have imposed and impose, in the past as nowadays, similar problems in the experimental data interpretation and formulation of concepts.

Chairs:

Marina Bentivoglio and Sten Grillner

Speakers:

Sten Grillner (Karolinska Institute, Stockholm, Sweden)

The Nobel Prizes awarded to the neurosciences: an overview.

Marina Bentivoglio (University of Verona, Italy)

On the cross-talk between neurons: from silver impregnation to the gap junctions.

Mitchell Glickstein (University College London, UK)

Golgi and Cajal; the Neuron doctrine, dendritic spines, and the 1906 Nobel prize.

Luis M. Garcia-Segura (Instituto Cajal, CSIC, Madrid, Spain)

Golgi and Cajal as pioneers on glial cell research.

Albert Aguayo (McGill University, Montreal, Canada)

Cajal on regeneration in the nervous system.

15:45

Complementary Skills – Lecture

Georg Kreutzberg:

Trust, Honesty and Fraud in Neuroscience

17:30

Forum Plenary Lecture

Giacomo Rizzolatti: The mirror neuron system in monkeys and humans

Tuesday, July 11

8:30

Forum Plenary Lecture

Takao K. Hensch: Critical period mechanisms in visual cortex

15:45

Complementary Skills – Workshop

How to prepare a successful grant

Carla Finocchiaro, CF-Consulting Milano, Italy

17:30

Forum Plenary Lecture

Antoine Triller: Molecular basis of synaptic organization: a new perspective from single molecule imaging

In addition, neurotrain awardees will be assigned to one of the workshops of the Forum, subject to free slots available.

1. Science, Medicine & Using the Media to Make Your Point – an introduction to effective use of the media

Chair: Myc Riggulsford (UK)

Friday, July 7

15.45 Tea/coffee

16.00 Introductions and outline of workshop

16.10 What makes good communication? – gaining attention, news values, lessons from the popular press, pictures

16.30 Science presentation

16.45 Structuring a news story – Workshop 1 and feedback

17.30 Writing skills: adapting science writing for a lay audience – workshop and feedback

18.00 Tea/coffee

18.10 Information & press releases – Workshop 2

19.30 Pictures, data & visual aids

20.00 End of Day 1

Saturday, July 8

09.00 Tea/coffee

09.30 TV & radio techniques – tips for preparation, what to expect, what to ask, structure, time, choosing examples.

10.00 Media skills: radio interviews - Workshop3

10.45 Tea/coffee

11.00 Media skills: radio interviews - workshop feedback & discussion

13.00 Lunch

13.45 Telling a story: combining information into a narrative - Workshop 4

15.00 Sensitive & ethical issues

15.30 Tea/coffee

15.45 Extracting the essence - Workshop 5

16.15 Principles of communication – workshop discussion and summary.

16.30 Summary & evaluation

16.40 Close

Workshops Saturday, July 8, 13.30 – 16.45

2. Molecular imaging, nanotechnologies and brain diseases. (Saturday afternoon)

Chairs: E. Sykova (Prague, Czech Republic) - U. Himmelreich (Cologne, Germany)

3. Proteomics: A bridge between genes and CNS physiology and pathologies. (Saturday afternoon)

Chairs: J. Bockaert (Montpellier, France) - H. Chneiweiss (Paris, France)

4. Noninvasive high-resolution recording. (Saturday afternoon)

Chairs: A. Draguhn (Heidelberg, Germany) - H.R. Polder (Tamm, Germany)

5. Challenges in the discovery of novel therapeutics for neurological and psychiatric diseases. (Saturday afternoon)

Chair: A.J. Hunter (Harlow, United Kingdom)