

Satellite Meeting to the EBBS 2007 Conference

15 September 2007

Stress, Brain and Behaviour

Recent Developments on Pharmacology, Modelling and Translational Issues

The goal of this meeting is to shed new light on the mechanisms underlying the effects of stress on brain and behaviour with a focus on translational issues, novel behavioural and computational tools, and potential therapeutic approaches. In addition, an important goal of this meeting is to promote discussions.

The Satellite will start at 10:30 and last till 17:30 h, finishing early enough to attend the Opening Reception of the EBBS 2007 Meeting, in the Miramare Campus, Trieste, Italy.

10:30 Welcome Introduction

Translational Issues

Chair: Gernot Riedel (Univ. of Aberdeen, UK)

10:40 Christopher Pryce (Novartis, Switzerland) – *Neuropsychological assessment in non-human primates: contribution to understand the physiological and pathological effects of stress in humans.*

11:05 Lynn Nadel (Univ. of Arizona, U.S.A.) – *Differential modulation of memory by stress in humans*

11:30 Bill Deakin (Univ. of Manchester, U.K.)

Serotonin modulation of motivation, emotion and memory in humans; how, when and why?

11:55 Discussant: Eberhard Fuchs (German Primate Center, Göttingen, Germany)

Behaviour and Modelling

Chair: Bruno Poucet (Marseille, France)

12:20 Peter Dayan (Univ. College London, U.K.)

Computational models of aversive processing: serotonin, dopamine and stress

Lunch break (12:45-14:00)

14:00 Jeansok J. Kim (Univ. of Washington, U.S.A.) – *Neurocognitive effects of stress*

14:25 Gediminas Luksys and Carmen Sandi (EPFL, Switzerland)

The interaction of affective traits and stress on learning: Experiments and modelling

14:50 Discussant: Ray Dolan (Univ. College London, U.K.)

Coffee break (15:15-15:40)

Pharmacology

Chair: Gal Richter-Levin (Univ. of Haifa, Israel)

15:40 Gabriele Flügge (German Primate Center, Göttingen, Germany)

Impact of stress on gene expression related to 5-HT neurotransmission: Regulation by the SSRI citalopram

16:05 Melly Oitzl (Univ. of Leiden, Netherlands)

Cognition and emotion: Antagonizing stress system activity in a mouse model of stress related disorders

16:30 Fiona Thomson (Organon Pharmaceuticals, Scotland and Netherlands)

Innovative approaches for the treatment of depression: Targeting stress and the HPA axis

16:55 Discussant: Thomas Steckler (Johnson & Johnson Pharmaceuticals, Belgium)

17:20 Conclusions and closure

Organizing Committee: Peter Dayan; Eberhard Fuchs; Melly Oitzl; Carmen Sandi

Note: Registration fees for the EBBS conference include participation of the Satellite. In case you want to attend the Satellite only, please register following the links at www.ebbs-science.org.

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Donations of the following companies allowed the realization of the Stress Satellite:

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