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Program

Preliminary program - Synaptic Stress

SUNDAY 24 March. Arrival and welcome reception

- 16.00-17.00 Registration.
- 17.00-17.30 **M. Popoli** (*University of Milano, Italy*) and **G. Sanacora** (*Yale University, Boston, USA*) Welcome and introduction to the school
- 17.30-18.30 *short introduction of oneself by all*
- 19.30 Dinner.

MONDAY 25 March.

TOPIC 1: ACTION OF GLUCOCORTICOIDS ON SYNAPTIC FUNCTION AND NEUROTRANSMISSION.

- 9.00-10.00 **M. Joëls** (*University of Utrecht, Netherlands*) Rapid non-genomic effects of glucocorticoids at synapses and their role in cognitive function.
- 10.00-11.00 **B. Roozendaal** (*Radboud University Nijmegen, Netherlands*) Glucocorticoids and the regulation of memory in health and disease.

11.00-11.30 *coffee break*

- 11.30-12.30 **E. Snell** (*Snell communications, UK*) "Talking about your research", tools and skills in scientific communication.

12.45 *lunch*

- 14.30-15.30 **Arnsten group --presentation by Min Wang** (*Yale University, Boston, USA*) Molecular mechanisms of stress-induced prefrontal cortical impairment: implications for neuropsychiatric disorders.
- 15.30-16.00 DISCUSSION ON TOPIC 1

16.00-16.30 *coffee break*

- 16.30-17.30 **M. Popoli and G. Sanacora** - Workshop: rodent models of stress
- 17.30-18.30 students work on their presentations

19.30 Dinner

TUESDAY 26 March

TOPIC 2: PRE- AND POSTSYNAPTIC EFFECTS OF STRESS AND GLUCOCORTICOIDS

- 9.00-10.00 **L. Groc** (*University of Bordeaux, France*) Regulation of trafficking of ionotropic glutamate receptors by glucocorticoids
- 10.00-11.00 **Yan group --presentation by Lara Duffney** (*Sate University of New York at Buffalo, USA*) Biphasic regulation of trafficking and signaling of ionotropic glutamate receptors by acute/chronic stress

11.00-11.30 *coffee break*

- 11.30-12.30 Oral student presentations, groups 1& 2

12.45 *lunch*

- 14.30-15.30 **M. Popoli** Regulation of presynaptic release of glutamate in the stress response and the action of psychiatric drugs.
- 15.30-16.30 **G. Sanacora** The effects of behavioral stress on glial cell function and amino acid neurotransmitter cycling.

16.30-17.00 *coffee break*

- 17.00-17.30 DISCUSSION ON TOPIC 2
- 17.30-19.00 POSTER SESSION (student groups 1&2)

19.30 *dinner*

WEDNESDAY 27 March

TOPIC 3: ENDOCANNABINOIDS IN THE STRESS RESPONSE

- 9.00-10.00 **F. Chaouloff** (*University of Bordeaux, France*) The use of genetics and stress to uncover the role of the endocannabinoid system in behavior.
- 10.00-11.00 **M. Hill** (*University of Calgary, Canada*) Functional cross-talk between the endocannabinoid system and the HPA axis.

11.00-11.30 *coffee break*

- 11.30-12.30 **P. Campolongo** (*University La Sapienza, Rome, Italy*) Endocannabinoid modulation of emotional memory in rodents.
- 12.30-13.00 DISCUSSION ON TOPIC 3

13.00-14.00 *lunch*

14.00 **DEPART FOR EXCURSION TO RAVENNA**

THURSDAY 28 March

TOPIC 4: FUNCTIONAL AND DYSFUNCTIONAL SYNAPSES AND CIRCUITS: IMPLICATIONS FOR NEUROPSYCHIATRIC DISORDERS

- 9.00-10.00 **C. Sandi** (*Brain Mind Institute, Lausanne, Switzerland*) Long-term programming of pathological aggression and brain dynamics by

- early-life stress.
- 10.00-11.00 **J. Bains** (*University of Calgary, Canada*) Neuromodulators, metaplasticity, and the synaptic adaptations to stress.

11.00-11.30 *coffee break*

- 11.30-12.30 Oral student presentations, group 3 & 4

12.45 *lunch*

- 14.30-15.30 **M. Rasenick** (*University of Illinois, Chicago, USA*) Dysfunctional synaptic G-protein signaling in depression
- 15.30-16.00 DISCUSSION ON TOPIC 4

16.00-16.30 *coffee break*

- 16.30-17.30 **F. Lachapelle** (*INSERM, Paris, France*) Ethical issues in animal models of stress - FENS-CARE:Committee on animal research
- 17.30-18.30 **L. Reagan** (*University of South Carolina, Columbia, USA*) "The next step in my project" tools and skills in grant application

19.30 *dinner*

FRIDAY 29 March

TOPIC 5: TRANSLATIONAL ASPECTS

- 9.00-10.00 **P. Kalivas** (*University of South Carolina, Charleston, USA*) Cures for drug addiction hiding in synaptic plasticity.
- 10.00-11.00 **D. Diamond** (*Tampa University, USA*) A translational approach towards understanding the neurobiology of PTSD.

11.00-11.30 *coffee break*

- 11.30-12.30 General discussion

12.45 *lunch*

- 14.30-15.30 **J. Cryan** (*Cork University, Ireland*) Group III mGlu receptors in stress-related disorders.
- 15.30-16.30 **L. Reagan** (*University of South Carolina, Columbia, USA*) Obesity and diabetes as chronic metabolic stressors.

16.30-17.00 *coffee break*

- 17.00-17.30 DISCUSSION ON TOPIC 5
- 17.30-19.00 POSTER SESSION (student groups 3&4)

19.30 *Farewell dinner*

SATURDAY 30 March. Breakfast and departure

(check-out time is 10.00.
There will be 2 shuttles towards Bologna airport)

Commenti

Non disponi dell'autorizzazione necessaria per aggiungere commenti.