18th Summer School of Neuroscience

Resilience and Susceptibility to Stress: A Key to Understanding Psychiatric Illness

In memory of Bruce McEwen

On-line course

Catania, Italy - July 12-16, 2021

Program

Monday July 12
Stress and connectivity across the brain: large-scale networks

08.30-09.00 Opening
Filippo Drago, Maurizio Popoli

Morning lectures
09.00-10.30 Nuno Sousa (Braga) Stress and brain connectivity - what’s new?
10.30-11.00 Interactive discussion

11.00-12.30 Erno Hermans (Nijmegen) Stress-related changes in large-scale brain network balance
12.30-13.30 Interactive discussion

Afternoon lecture
15.00-16.30 Massimo Di Giannantonio (Chieti) Stress and psychopathology: psychoactive illegal substances as therapeutic factors
16.30-17.00 Interactive discussion

Tuesday July 13
Gene-environment interaction, early-life stress and epigenetics

Morning lectures
09.00-10.30 Francesca Cirulli (Rome) Role of stress and nutrition in fetal programming of brain development and mental health
10.30-11.00 Interactive discussion

11.00-12.30 Elisabetta Binder (Munich) Molecular mechanisms of gene x adversity interactions: implications for risk or resilience to psychiatric disorders
12.30-13.30 Interactive discussion

Afternoon lecture
15.00-16.30 Isabelle Mansuy (Zurich) How stress experiences leave traces in descendants: epigenetic mechanisms in the germline
16.30-17.00 Interactive discussion

Wednesday July 14
Acute stress and trauma

Morning lectures
09.00-10.30 Johannes Bohacek (Zurich) The acute stress response in the multi-omic era
10.30-11.00 Interactive discussion
11.00-12.30 Anna Beyeler (Bordeaux) Scope and limitations of optogenetics in circuit neurosciences
12.30-13.00 Interactive discussion
13.00-13.30 Closing remarks
Filippo Drago

Thursday July 15
Synaptic stress, hormones and neurometabolism

Morning lectures
09.00-10.30 Maurizio Popoli (Milan) Hard time for stressed synapses: a matter of resilience or vulnerability
10.30-11.00 Interactive discussion
11.00-12.30 Carmen Sandi (Lausanne) Stress and the individual: Behavioral, endocrine and neurometabolic factors that define differential stress adaptations
12.30-13.30 Interactive discussion

Afternoon lecture
15.00-16.30 Marian Joels (Utrecht) The ups and downs of animal models in stress research
16.30-17.00 Interactive discussion

Friday July 16
Stress, comorbidity and optogenetics

Morning lectures
09.00-10.30 Andrea Sgoifo (Parma) Stress: the parasympathetic chance for resilience
10.30-11.00 Interactive discussion
11.00-12.30 Anna Beyeler (Bordeaux) Scope and limitations of optogenetics in circuit neurosciences
12.30-13.00 Interactive discussion
13.00-13.30 Closing remarks
Filippo Drago

For information:
https://www.studioconsulenzafarmacologica.com/resilience-and-susceptibility-to-stress-a-key-to-understanding-psychiatric-illness/
For registration:
https://form.jotform.com/CoProm/registration-form-cissn-2021