

EXPLORING FUNCTIONAL CIRCUITS OF THE BRAIN SENSORY PERCEPTION & EXTERNAL WORLD REPRESENTATION

Organising Committee

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2019 Louis-Jeantet prize-winner

08:50 – 09:00 **Welcome**

SESSION 1

09:00 – 09:30 **Guillermina LOPEZ BENDITO**
Instituto de Neurociencias,
Alicante, Spain
**The thalamus that speaks to the cortex:
spontaneous activity in the developing
brain**

09:30 – 10:00 **Botond ROSKA**
IOB, Basel, Switzerland
Restoring Vision

10:00 – 10:30 **Sonja HOFER**
Sainsbury Wellcome Centre, London, UK
**Flexible inhibitory control of visually-
evoked instinctive behaviour**

Break

11:00 – 11:30 **Virginie VAN WASSENHOVE**
NeuroSpin, Université Paris-Saclay,
Gif-sur-Yvette, France
Making sense of time in the brain

11:30 – 12:00 **Brice BATHELLIER**
The Hearing Institute, Institut Pasteur,
Paris, France
**Spatial decorrelation of sound
representations throughout
the auditory system**

SESSION 2

13:30 – 14:00 **Nathalie ROCHEFORT**
University of Edinburgh, UK
**Neocortex saves energy by reducing
coding precision during food scarcity**

14:00 – 14:30 **Georg KELLER**
Friedrich Miescher Institute,
Basel, Switzerland
**The significance of self-generated sensory
feedback to cortical function**

14:30 – 15:00 **Flavio DONATO**
Biozentrum, Basel, Switzerland
**Minute-scale waves of activity in
the medial entorhinal cortex**

Break

15:30 – 16:00 **Josh McDERMOTT**
MIT, Cambridge, USA
**New Models of Human Hearing
via Machine Learning**

16:00 – 16:30 **Massimo SCANZIANI**
University of California, San Francisco, USA
**A Primary Visual Cortex for an Ancient
Midbrain Structure**

Concluding remarks

Free access on www.jeantet.ch

Webinar link: <https://unige.zoom.us/j/93850848028>

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