



SYMPOSIUM [M]

Translational NeuroTechnology for Vision in Real Life

14 février 2019



**Hôpital ophtalmique
Jules-Gonin**

Service universitaire d'ophtalmologie
Fondation Asile des aveugles

UNIL | Université de Lausanne



Faculty of Biology and Medicine

Edito

Translational Neuro-Technology for Vision in Real Life: *from light to sight*

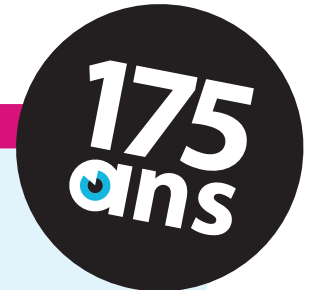
How to translate scientific discoveries into clinical interventions? Organized in pairs of lectures by researchers and clinicians, the symposium focuses **human vision neuroscience and neuro-ophthalmology**. With a basic-to-systemic perspective, it progressively evolves from neurobiology of vision, through eye-brain interactions, to brain networks for visuo-motor control, until spatial navigation in real life. The symposium ends with the attribution of a **Young Investigator Award** to the best three student presentations in human vision neuroscience and related disciplines.

Organiser: Prof. Silvio Ionta , Prof. Micah Murray.

Organising Commission: Prof. François-Xavier Borruat, Prof. Reinier Schlingemann, Prof. Thomas J. Wolfensberger.

Program

08:45	Introduction
	Neurobiology of Vision
09:00	Acute Visual Loss: Eye and Brain Aki Kawasaki
09:25	The Subjectivity of Visual Perception Micah Murray
09:50	Discussion
	Eye-Brain Interactions
10:00	Retinal Implants Diego Ghezzi
10:25	Visual Cortex in Vision Troubles Amir Amedi
10:50	Discussion



11:00 Coffee Break

Brain Circuitry for Vision and Beyond

11:30 Visuo-to-Motor Deficits due to Brain Lesions
Francois-Xavier Borruat

11:55 Neural Networks from Vision to Motor Control
Silvio Ionta

12:20 Discussion

12:30 Kattenburg Prize

13:00 Networking Lunch

Neural Substrates of Vision in Real Life

14:00 Visually Developing Brain
Concetta Morrone

14:25 Vision and the Space around the Body
Olivier Collignon

14:50 Spatial Navigation in Blindness
Fatima Anafloos

Discussion

Young Investigator Award - Presentations

15:30 Ten Shortlisted candidates

16:30 Coffee break

17:00 Young Investigator Award - Laureates

17:30 Closure





Bayer



NOVARTIS



With the participation of:



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