

INC Day 2016 : Sensorimotor learning

Thursday, November 3rd 2016

**Amphithéâtre Vulpian, Université Paris Descartes
12, rue de l'École de Médecine, Paris 6^{ème}**

Organizers : [A. Leblois](#), M. Beraneck, C. Levenes and C. Meunier (Centre de Neurophysique, Physiologie et Pathologie, Paris Descartes), K. Doré-Mazars (Laboratoire Vision Action Cognition, Institut de Psychologie, Paris Descartes), J. Gervain (Laboratoire Psychologie de la Perception, Paris Descartes)

Program

9:00-9:30 : Breakfast and Welcome Address

- **Claude Meunier** (Director of INC) and **Arthur Leblois**

9:30-10:30 :

- **Keynote Lecture by Paul Dean** (University of Sheffield) : *The Role of the Cerebellum in Sensorimotor Learning* , introduced by C. Levenes

10:30-12:30 Session Learning to walk (Chairman : M. Tagliabue)

- **Jean-René Cazalets** (Institut de Neurosciences cognitives et intégratives d'Aquitaine), *Spinal control of dynamic posture in mammals*
- **David Anderson** (San Francisco State University), *How does Motor Activity Induce Psychological Change*
- **Christine Chevallereau** (Institut de Recherche en Communications et Cybernétique de Nantes), *Computational morphology and humanoid robot walking*

12:30-14:00 Lunch in Galerie Saint-Germain

14:00-16:00 Session Learning to see (Chairman : Mathieu Beraneck)

- **Markus Lappe** (Universität de Münster), *Plastic processes in saccadic eye movements and visual space perception*
- **Nadia Alahyane** (VAC, Paris Descartes), *Flexibility and plasticity of saccadic eye movements in preschool children*
- **Ryad Benosman** (Institut de la Vision, Paris), *Neuromorphic Event-based time oriented vision: A framework to unify computational and biological vision.*

16:00-16:30 Coffee break

16:30-18:30 Session Learning to speak (Chairman : Thierry Nazzi)

- **Luciano Fadiga** (Istituto Italiano di Tecnologia, Ferrare), *Sensorimotor processing of interaction and communication*
- **Ofer Tchernichovski** (Hunter College, The City University of New York), *Mechanisms of developmental vocal learning in songbirds: from imitation to culture.*
- **Julien Meyer** (CNRS, Gipsa Lab, Grenoble), *Perception and learning of whistled speech, basis and first steps*

18:30-19:00 Conclusion and Refreshments