



MAX-PLANCK-GESELLSCHAFT

**MPG-CNRS Network**  
**1<sup>st</sup> Meeting “Insect Neurobiology”**  
**Aspet, January 17<sup>th</sup> -19<sup>th</sup>**



**PROGRAM**

**Tuesday, January 18<sup>th</sup>**

- 9:00 **Marcus C. Stensmyr**  
Specialized noses for specialized lifestyles.
- 9:30 **Fernando Guerrieri**  
Olfactory neuroethology of ants.
- 10:00 *Break*
- 10:30 **Theo Mota**  
Optophysiological analyses of visual processing in the optic tuberculum of the honeybee.
- 11:00 **Sofia Lavista-Llanos**  
Obligatory commensalism drives *Drosophila sechellia* adaptation to a toxic host.
- 11:30 Discussion
- 12:30 *Lunch*
- 14:00 **Dana Shani Galili**  
Trace conditioning in *Drosophila*.
- 14:30 **Hiromu Tanimoto**  
Reinforcement neurons for olfactory memory.
- 15:00 *Break*
- 15:30 **Thierry Louis**  
Effect of deletion of nicotinic subunits using RNA interference on olfactory learning and memory in the honeybee (*Apis mellifera*).
- 16:00 **Julien Séjourné**  
Mushroom body efferent neurons responsible for aversive olfactory memory retrieval in *Drosophila*.
- 16:30 Discussion

## Wednesday, January 19<sup>th</sup>

- 9:00     **Thomas Riemensperger**  
Of flies and men - Parkinson's disease-related human alpha-synuclein specifically troubles dopamine neurons in the Drosophila brain.
- 9:30     **Jean-Marc Devaud**  
Modulation of learning by an insect opioid-like system.
- 10:00    Discussion
- 11:00    Martin's surprise...
- 12:00    *Lunch*

### **List of full participants:**

*Behavioral Genetics - Max Planck Institute of Neurobiology, Martinsried*

Hiromu Tanimoto  
Dana Shani Galili  
Igor Siwanowicz

*Department of Evolutionary Neuroethology - Max Planck Institute for Chemical Ecology, Jena*

Marcus C. Stensmyr  
Fernando Guerrieri  
Sofía Lavista-Llanos

*Genes and Dynamics of Memory Systems - Neurobiology Lab, CNRS, Paris*

Thomas Pr at  
Julien S ejourn e  
Severine Trannoy

*Genetics and Physiopathology of Neurotransmission - Neurobiology Lab, CNRS, Paris*

Serge Birman  
Thomas Riemensperger

*Perception, Learning and Memory in Insects - Research Center on Animal Cognition, CNRS, Toulouse*

Martin Giurfa  
Gabriela de Brito Sanchez  
Jean-Marc Devaud  
Monique Gauthier  
Damien Lefer  
Thierry Louis  
Theo Mota  
Rio Tedjakumala  
Elodie Urlacher  
Cindy Crattelet  
Margot P erez