

## Symposium



### « *Model Systems in Neuroscience : What the Nose Can Tell us about the Brain* »



Organizers : Alain Trembleau and Stuart  
Firestein



**June 8th, 2009**

Amphithéâtre Pasquier, Les Cordeliers, UPMC  
15, rue de l'école de médecine 75006 Paris

8h45 - 9h00 Welcome introduction by J. Chambaz (Vice-Président, UPMC), J Mariani (Dir., CNRS UMR 7102) and JA Girault (Dir., ENP)

#### **Opening lecture**

9h00 - 10h 00 Stuart Firestein (Columbia University)  
Ten Critical Questions in Neurobiology and How They Can be Addressed by Olfaction

#### **Morning session**

10h00 - 10h35 Peter Mombaerts (Max Planck Institute of Biophysics, Frankfurt)  
Olfaction targeted

#### **10h35 - 10h50 Coffee break**

10h50 - 11h25 Alain Trembleau (UPMC, Paris)  
The olfactory system as a model for investigating the functions of local translation

11h25 - 12h00 Charles Greer (Yale University, New Haven)  
Glomeruli

12h00 - 12h35 Serge Charpak (Université Descartes, Paris)  
Glomerular activation and oxygen consumption during odor inhalation

#### **12h35 - 14h00 Lunch break (free)**

#### **Afternoon session**

14h00 - 14h35 Ivan Rodriguez (Université de Genève)  
From species-specific olfactory sensor repertoires to behavior

14h35 - 15h10 Frank Zufall (Univ. de Saarland, Homburg)  
Chemical communication in mice: from genes to function

15h10 - 15h45 Pierre-Marie Lledo (Institut Pasteur, Paris)  
Learning to smell

#### **15h45 - 16h00 Coffee break**

16h00 - 16h35 Rainer Friedrich (Friedrich Miescher Institute, Basel)  
Neuronal circuits and computations downstream of the olfactory bulb

16h35 - 17h10 Christian Margot (Firmenich, Corp. R&D, Geneva)  
Odors and Odorants : Psychophysical features of human olfaction

17h15 - 18h15 Round Table discussion  
Olfaction and its future contributions to mainstream neurobiology