

## Thursday, 23<sup>th</sup> October 2008

8:30–11:30 Registration

11:30–12:00 **Lars Steinmetz**  
Welcome address

12:00–13:00 **Hans Schöler**  
Turning back the clock: Inducing pluripotency in somatic and germline cells

13:00–14:00 Lunch (Operon Foyer)

### Session 1: Mind - Insight into neurobiological complexity and conscience

14:00–15:00 **Giovanni Boniolo**  
Decision making "in vitro" and "in vivo". From mathematics to ethics.

15:00–16:00 **Susan Greenfield**  
The Neuroscience of Consciousness

16:00–16:30 Coffee break

16:30–17:30 **Stefan Schuster**  
Small Networks for Large Tasks: High-Speed Decision Making

17:30–18:30 **Nicolas Le Novère**  
Remember or forget: allosteric changeover switches and molecular memory

18:30–20:00 "Meet the speaker" Dinner (Canteen)

### Session 2: Molecules - decisions powered by conformation, numbers and affinity

20:00–21:00 **Francisco Baralle**  
New biological roles of nuclear factor TDP-43

21:00 on Poster hanging

## Friday, 24<sup>th</sup> October 2008

### Session 2: Molecules - decisions powered by conformation, numbers and affinity

9:00– 10:00 **Yang Shi**  
Dynamic regulation of histone methylation by demethylases

10:00–11:00 **Ben Schuler**  
Single Molecule FRET of Protein Folding Dynamics

11:00–11:30 Coffee break

11:30–12:30 **Phillip Zamore**  
Small RNAs and genomic defense

12:30–13:30 **Nenad Ban**  
Springs, tethers and switchblades: mechanistic insights into the functioning of large macromolecular assemblies

13:30–14:30 Lunch (Operon Foyer)

14:30–15:30 Poster Session

### Session 2: Population - collective decisions by means of co-ordination and communication

15:30–16:30 **Stanislas Leibler**  
From economy sectors to protein sectors

16:30–17:30 **Adrian Harwood**  
Cell coordination and signal interpretation during *Dictyostelium* development

17:30–18:00 Coffee break

18:00–19:00 **Jean-Louis Deneubourg**  
Collective decision-making: feedbacks, insects and robots

19:00–20:00 Panel discussion: What is the use of basic research and how can funding decisions be explained to the public

20:00–21:00 Dinner (Canteen) 10

## Saturday, 25<sup>th</sup> October 2008

### Session 4: Cells - essential decisions in the basic entities of life

10:00–11:00	<b>Uwe Gallus Maier</b> Symbiosis and Cell Evolution
11:00–12:00	<b>Carrie Cowan</b> The establishment and segregation of cell fate in <i>C. elegans</i> embryos
12:00–12:30	Coffee break
12:30–13:30	<b>Tim Hunt</b> EMBO Plenary Lecture Getting in and out of mitosis
13:30–14:30	Lunch (Operon Foyer)
14:30–15:30	Short talks by participants
15:30–16:00	EMBO/EMBL Science writing prize 2008
16:00–16:30	Coffee break
16:30–17:30	<b>Giulio Cossu</b> Mesoangioblasts for the cell therapy of muscular dystrophy: when to move basic research to the patient?
17:30–18:30	<b>Rüdiger Klein</b> Molecular mechanisms of repulsive axon guidance
18:30–19:00	<b>Lars Steinmetz</b> Concluding remarks
19:00–20:30	Dinner (Canteen)
20:30 on	Party!