

# Early Evolution of Nervous Systems - Philosophical and Biological Perspectives

Tübingen 2 October 2014

Max Planck House Lecture Hall, Spemannstrasse 36

*Morning Session - Chair, Gáspár Jékely*

9:15-9:30            *Opening of the Symposium*  
**Gáspár Jékely**, Max Planck Institute for Developmental Biology

9:30-10:15        *Is the Origin of the Nervous System a Major Transition?*  
**Eörs Szathmáry**, The Parmenides Foundation

10:15-11:00      *Models of Signaling and Early Neural Evolution*  
**Peter Godfrey-Smith**, City University of New York

11:00-11:30      Coffee

11:30-12:15      *The Origins of the Animal Sensorimotor Organization*  
**Fred Keijzer**, University of Groningen

12:15-14:00      Lunch

*Afternoon Session - Chair, Peter Godfrey-Smith*

14:00-14:45      *Simple Ciliomotor and Musclemotor Circuits in Platynereis Larvae*  
**Gáspár Jékely**, Max Planck Institute for Developmental Biology

14:45-15:00      *Neural Circuits Mediating Phototaxis in Marine Zooplankton*  
**Nadine Randel**, Max Planck Institute for Developmental Biology

15:00-15:15      *Sensory-Neuropeptidergic Signaling as a Precursor to the Nervous System?*  
**Elizabeth Williams**, Max Planck Institute for Developmental Biology

15:15-15:45      Coffee

15:45-16:30      *The Origin and Evolution of Muscle Cell Types*  
**Patrick Steinmetz**, University of Vienna

16:30-17:15      *Evolution of Nervous System Centralization*  
**Detlev Arendt**, European Molecular Biology Laboratory

17:15-18:00      *Panel discussion*  
**Eörs Szathmáry, Peter Godfrey-Smith, Fred Keijzer, Detlev Arendt**

*End of Symposium*