

# PENS SfN School

## Brain evolution and its consequences for brain pathology

Naples, Italy  
Zoological Station "Anton Dorhn"  
March 21–26, 2010

### Aims and Scope

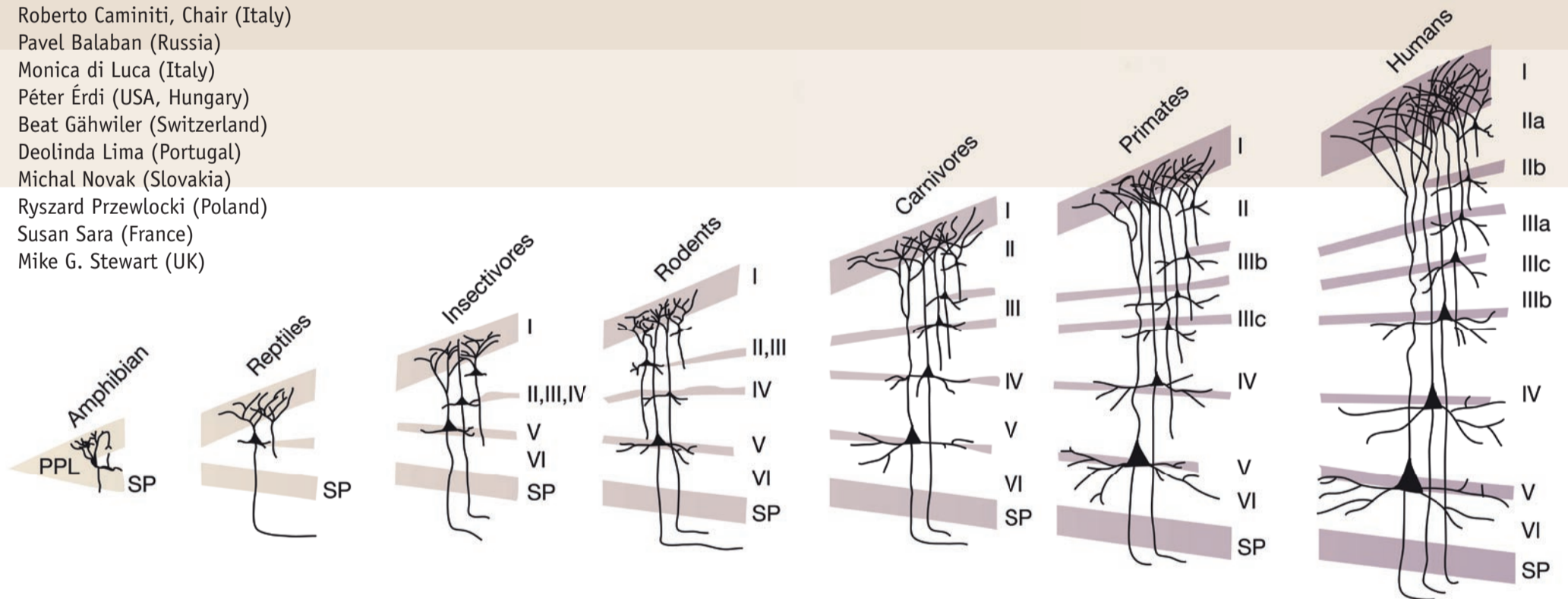
Brain evolution results of a number of coordinated adjustments in development which produced an increase in size, regional differentiation and rewiring, in several brain structures, particularly in cerebral cortex. Together with the emergence of new functions, including language and an elaborated form of consciousness, brain evolution also produced a number of neurological and psychiatric conditions which manifested specifically and selectively in the human brain. This school is addressed to young neuroscientists with medical or general biological background to make them aware of the links between the following disciplines: system and molecular neuroscience, normal and pathological development, and evolution. These disciplines usually belong to separate curricula, but which need integrating in both theoretical and practical perspectives.

### Topics

Basic principles in cortical organization, evolution and development, brain enlargement and regionalization, man vs. animal comparisons, the costs of evolution.

### PENS Committee Members

Roberto Caminiti, Chair (Italy)  
Pavel Balaban (Russia)  
Monica di Luca (Italy)  
Péter Érdi (USA, Hungary)  
Beat Gähwiler (Switzerland)  
Deolinda Lima (Portugal)  
Michal Novak (Slovakia)  
Ryszard Przewlocki (Poland)  
Susan Sara (France)  
Mike G. Stewart (UK)



Please submit your application electronically via the PENS Website [www.fens.org/pens](http://www.fens.org/pens)

Deadline for application: September 30, 2009

### Scientific Organizer

Giorgio M. Innocenti (Karolinska Institutet, Stockholm, Sweden)  
Jon Kaas (Vanderbilt University, Nashville, USA)

### Faculty will include

A. Battaglia-Mayer (Italy)  
D. Dennett (USA)  
A. Fiorito (Italy)  
S. Grillner (Sweden)  
P. Huppi (Switzerland)  
G. M. Innocenti (Sweden)  
J. Kaas (USA)  
L. Krubitzer (USA)  
A. Mallamaci (Italy)  
C. Marzi (Italy)  
Z. Molnar (UK)  
D. J. Povinelli (USA)  
P. Rakic (USA)

### Application Information

Up to 35 students will be accepted based on PENS student selection guidelines.

### Registration

The tuition fee amounts to 300 Euro and will cover costs for meals and accommodation. A limited number of tuition fee waivers and travel stipends are available for students from disadvantaged countries.

### Local Organizer/Contact

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