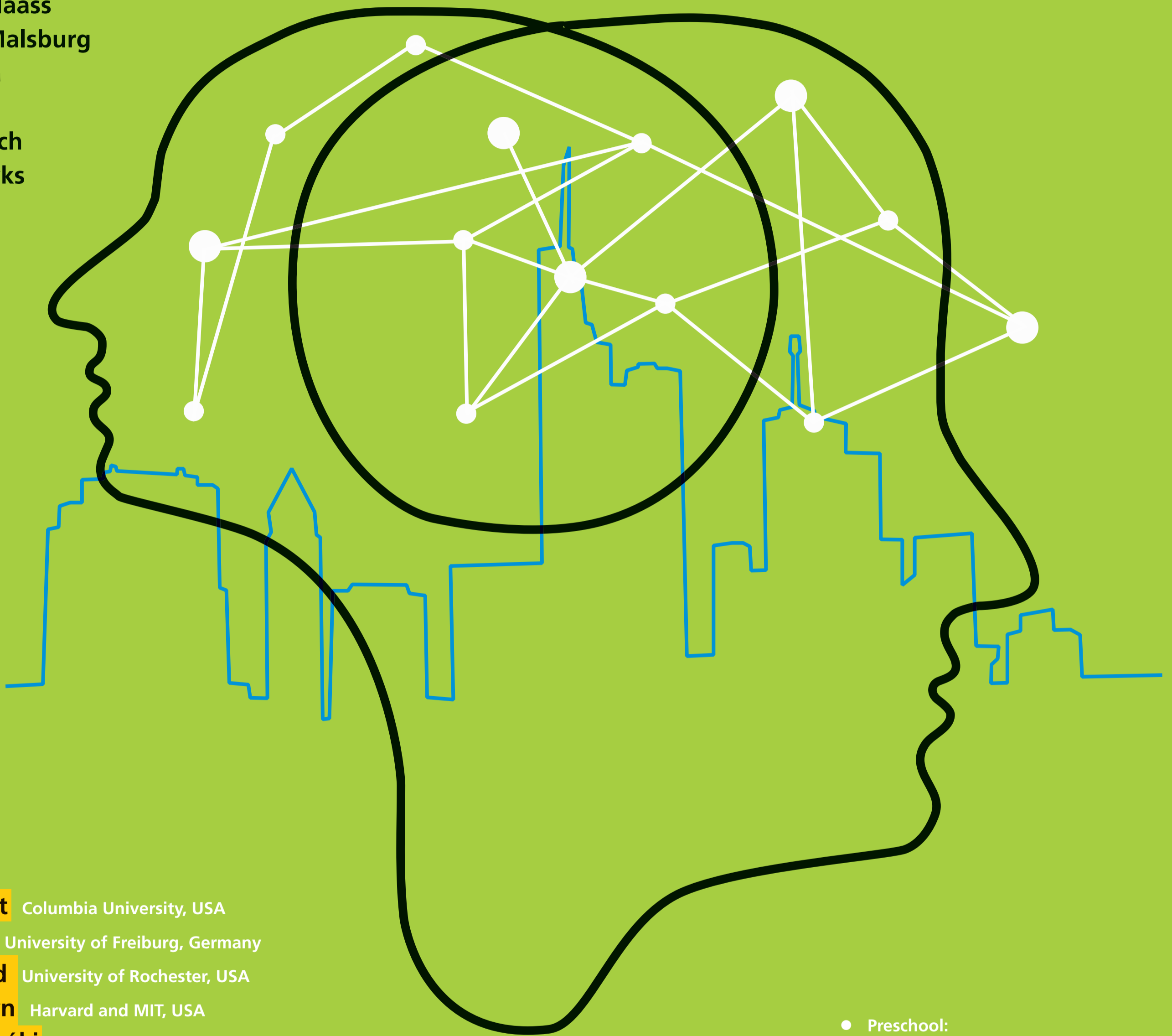


Theoretical Neuroscience & Complex Systems

05-27. Aug. 2006
Frankfurt/M, Germany

● Scientific Directors:

Wolfgang Maass
C. von der Malsburg
Gordon Pipa
Wolf Singer
Jochen Triesch
Misha Tsodyks



● Faculty:

Larry Abbott Columbia University, USA
Ad Aertsen University of Freiburg, Germany
Dana Ballard University of Rochester, USA
Emery Brown Harvard and MIT, USA
György Buzsáki Rutgers University, USA
Yves Frégnac CNRS, France
Wulfram Gerstner* École Polytechnique, Switzerland
Rainer Goebel Universiteit Maastricht, Netherlands
Claudius Gros Goethe University, Germany
Wolfgang Maass FIAS, Germany and TU Graz, Austria
Christoph von der Malsburg FIAS, Germany
Bartlett Mel University of Southern California, USA
Gordon Pipa FIAS and Max-Planck Inst., Germany
John Rinzel* New York University, USA
Wolf Singer FIAS and Max-Planck Inst., Germany
Andrey Solov'yov FIAS, Germany
Jochen Triesch FIAS, Germany and UC San Diego, USA
Misha Tsodyks FIAS, Germany and Weizmann Inst., Israel
Carl van Vreeswijk René Descartes University, France

● Application:

The target groups of this course are experimental and theoretical neuroscientists and theoretical physicists. Applicants to the summer school have to submit their applications online. Each applicant has to propose a scientific project. During the course, students will work on a team project with support of the faculty and tutors.

● Preschool:

A three-day course about experimental techniques, methods, and models used in neuroscience

● The scientific program:

- Neuroanatomy
- Neurophysiology
- Basics in modeling of neurons
- Realistic models of neural microcircuits
- Abstract models of higher-level functions
- Outlook to other complex systems

● Weekend program:

Visiting research laboratories ('theory in practice') e.g. Max-Planck Institute for Brain Research, Frankfurt/Main

Application deadline: **April 15, 2006**

www.fias.uni-frankfurt.de/neuro_school/index.html