Thursday, July 13th

9:00 Welcome addresses
   Representatives of Humboldt-Universität zu Berlin
9:15 Introductory remarks
   Peter Hammerstein, ITB
9:30 Keynote: In search of phenomenological models
   Stanislas Leibler, Rockefeller University, USA
10:30 Break

11:00 Trigger waves in cellular regulation
   J. Ferrell, Stanford University, USA

12:00 Microeconomics exposes an unseen in eye design
   Simon Laughlin, University of Cambridge, UK
13:00 Lunch

15:00 Keynote: Males exist. Does it matter?
   Hanna Kokko, University of Zürich, Switzerland

16:00 Break

16:30 How low can you go: Vocal evolution in vertebrates
   Tecumseh Fitch, University of Vienna, Austria
17:30 How we learn to localize sound - an unsolved problem
   Catherine Carr, University of Maryland, College Park, USA
19:00 Evening program (Location: ITB - new building)
   Celebrating the ITB’s 20th anniversary and the 60th birthday of Hanspeter Herzel

Friday, July 14th

9:00 Introductory remarks
   Andreas Herz, LMU, Munich
9:15 Keynote: Have we been barking up the wrong tree?
   Neuronal networks revamped
   Christian Machens, Champalimaud Centre for the Unknown, Lisbon, Portugal
10:00 Computational Neuroscience goes wild
   Jan Benda, University of Tübingen
10:25 Break

10:55 Too hot to stay cool: A neuronal mechanism of pathological synchronization
   Susanne Schreiber, Humboldt University, Berlin
11:20 Heart attacks can give you theoretical biology: Dynamics and geometry of cardiac arrhythmias
   Christian Zemlin, Old Dominion University, Norfolk, VA, USA
11:45 Can you see all the bees?
   Katarzyna Bozek, Okinawa Institute of Science and Technology, Japan
12:10 Lunch

14:15 Epigenetics meets mathematics: Beyond memory
   Leonie Ringrose, Humboldt University, Berlin
14:40 Are we ready for synthesizing life?
   Ilka Axmann, University of Düsseldorf
15:05 Why most women don’t smoke (yet)
   Ed Hagen, Washington State University, Vancouver, USA
15:30 Break

16:00 A different kind of animal
   Robert Boyd, Arizona State University, Tempe, USA
17:00 Keynote: The origins of the pro-social ape
   Joan Silk, Arizona State University, Tempe, USA
19:00 Evening program (Location: ITB - new building)
   Summer Party on the occasion of Peter Hammerstein’s formal but not mental retirement

Organizing committee
Peter Hammerstein, Hanspeter Herzel, Richard Kempter, Susanne Schreiber

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