Welcome to the fifth Quantum Effects in Biological Systems workshop. As in the previous years the meeting will cover the latest developments on quantum phenomena in biological systems and chemical structures central to life. The meeting will be held at the Bio Center Campus in Vienna, Austria. By choosing this venue, we intend to bring together the international experts in this emerging field with biologists and researchers working on the development of new bio-sensing and probing techniques. By this format we intend to further engage the biology community and provide a stimulating environment for physicists and chemists to discover potential new areas where quantum effects might be at work in biological systems.

The meeting will consist of a mix of keynote, invited (40+5 min) and contributed (20+5 min) presentations as well as a poster session covering a variety of topics including:

1. Energy and charge transfer in photosynthetic light harvesting
2. Recent and emerging systems (Magnetoreception, olfaction, channels and pumps, ...)
3. Quantum tunneling phenomena in chemical and biological systems
4. Emerging techniques for quantum biology
5. Quantum techniques for biological research

Confirmed Invited Speakers:

Anton Zeilinger (Keynote) – University of Vienna & IQOQI
Markus Arndt University of Vienna
Alan Aspuru-Guzik Harvard University
Hans Briegel University of Innsbruck
Greg Engel University of Chicago
Joachim Heberle Freie Universität Berlin
Peter Hore University of Oxford
Susana Huelga University of Ulm
David Keays Institute of Molecular Pathology
Philipp Kukura University of Oxford
Massimo Olivucci Univ. di Siena & Bowling Green State Univ.
Masoud Mohseni MIT & BBN Technologies
Henrik Mouritsen University of Oldenburg
Yasser Omar Technical University of Lisbon
Martin Plenio University of Ulm
Markus Raschke University of Colorado
Arno Rauschenbeutel Vienna University of Technology
Makis Skoulakis Alexander Fleming Research Center
Jörg Wrachtrup University of Stuttgart
Birgitta Whaley University of California, Berkeley
Fred Wolf Max Planck Institute for Dynamics and Self-Organization

Website: http://quebs-2013.imp.ac.at
Abstract deadline: April 15th, 2013
Early-bird Registration deadline: May 15th, 2013
Standard Registration deadline: June 15th, 2013