Google workshop on Quantum Biology
Friday, October 22, 2010 9:00am - 4:30pm

Topics:
Quantum effects in warm biological systems. Significance of mesoscopic quantum coherence, tunneling and entanglement in biomolecular membranes, proteins, DNA and cytoskeleton, with particular attention to recently discovered megahertz ballistic conductance in microtubules. Future development of quantum computation and artificial intelligence.

Alán Aspuru-Guzik, Department of Chemistry and Chemical Biology, Harvard
Anirban Bandyopadhyay, ANCC, National Institute of Material Science, Tsukuba
Stuart Hameroff, University of Arizona Medical Center, Tucson
Hartmut Neven, Visual Search, Google
Jiri Pokorny, IREE, Academy of Sciences of the Czech Republic
Elizabeth Rieper, Universities of Oxford and Singapore
Mohan Sarovar, Department of Chemistry, University of Berkeley
Jack Tuszynski, Department of Physics, University of Alberta
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