

**6-7 October 2012**  
**Basel, Switzerland**

# Fields of the Cell

International Conference on Basic Research  
and Theory on Cell Electromagnetic Fields and  
their Contribution to Life Processes

## Talks

- Dr. Michal Cifra, **Cellular electrodynamics in kHz–THz region**
- Prof. Marco Pettini, **Long-range resonant interactions in biological systems: theory and experiment**
- Prof. Dr. Thilo Hinterberger, **Coherence and consciousness**
- Prof. Dr. Jack Tuszynski, **Electrostatic and ionic conduction effects on the cytoskeleton and mitosis**
- Prof. Dr. Lev Belousov, **Morphogenetic fields: history and relation to other concepts**
- Dr. Maria Lobikin, **Endogenous bioelectric cues as morphogenetic signals in vivo**
- Dr. Daniel Fels, Dr. Michal Cifra, **Life is organized energy**
- Antonios Tzambazakis, **The evolution of the biological field concept and biophotons**
- Dr. Pierre Madl & Dr. Stéphane-Egot Lemaire, **The field and the photon from a physical point of view**
- Prof. Dr. Claudio Rossi, **Energy flow and dissipative structures**
- Prof. Dr. Vladimir Voeikov & Prof. em. Dr. Emilio del Giudice, **Coherence in aqueous systems: origin, properties and consequences for the living state**
- Ankush Prasad, **Photon sources within the cell**
- Dr. Eduard van Wijk, **Ultra-weak photon emission from organisms**
- Dr. Daniel Fels, **Electromagnetic cell communication and the barrier-method**
- Prof. Dr. Christian Brouder, **The quest of cellular coherence**
- Prof. Dr. Rajendra Bajpai, **Electromagnetic signals with biological order**
- Dr. Alexis Mari Pietak, **Theoretical aspects of biological energy resonators**