

C6 – Biological Physics 2008/2009 Report - June 2010 – José Onuchic

The main task of the C6 commission has been to organize the 7th International Conference in Biological Physics. It will take place in San Diego in June of 2011

Here is some detailed information:

ICBP2011 will be hosted on the campus of the University of California, San Diego, June 19-24, 2011. The first three days (June 19-21) will encompass training workshops, and the remaining three days (June 22-24) will include research symposia and plenary lectures. All workshop and symposium sessions will occur on the UCSD campus. This conference will bring together physicists working on all aspects of living systems from biomolecules and cells to neural systems and evolution/ecology, continuing on from previous meetings in Montevideo, Uruguay (2007) and Gothenburg, Sweden (2004). The 7th ICBP meeting comes at a time when biological physics is taking its place as a compelling frontier of research with rapidly growing interest in physical sciences departments worldwide. More information is available at the conference website <http://icbp2011.ucsd.edu>.

Symposia Topics

Protein Dynamics, Function & Recognition (C Bustamante, M Gunner, J Onuchic)
Folding, Misfolding and Aggregation of Proteins (C Clementi, H Grubmueller, M Rief, P de los Rios)
Gene Networks and Signaling Pathways (M Caselle, J Garcia Ojalvo, F Jülicher, A Martinez-Arias)
Physics of the Cytoskeleton and Biomembranes (F MacKintosh, K Yee Lee, K Yoshikawa)
New Biophysical Tools (O Dudko, T Hianik, M Rief)
Evolutionary and Ecological Dynamics (E Ben Jacob, H Levine)
Physics of Neural and Sensory Systems (W Bialek, J Garcia Ojalvo)
Synthetic and Reconstituted Biology (J-F Joanny, R Ramaswamy)
Multicellular Dynamics, Applications to Development and Microorganism Colonies (F Jülicher)
Physics of the Living Cell (H Levine, Z Luthey-Schulten)
Excitable and Self-Organized Systems (K Weijer, K Yoshikawa, W Zimmermann)
Molecular Imaging: Bridging Biology, Physics and Medicine (F Nusslin)
Workshops
The Physics of Living Systems (H Levine)
Computational Molecular Biophysics (Z Luthey-Schulten)

Organizing Committees

San Diego/UCSD Program Committee

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Lou Reinisch, New Zealand
Andrei Borisovich Rubin, Russia
Mathias Rief, Germany
Paolo de los Rios, Switzerland
Villy Sundstrom, Sweden
Kenichi Yoshikawa, Kyoto
Laszlo Zimanyi, Hungary

CONFIRMED SPEAKERS

Keynote Speakers

Ada E. Yonath, Weizmann Institute, ISRAEL
John Hopfield, Princeton University

Symposia Speakers

Natalie Balaban, Hebrew University, ISREAL
Wolfgang Baumeister, Max Planck Institute, GERMANY
Andreas Bausch, Technical University of Munich, GERMANY
Michael Cates, University of Edinburg, UK
Jane Clarke, University of Cambridge, UK
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Winfried Denk, Max Planck Institute, GERMANY
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Daniel Fletcher, University of California Berkeley
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Terry Hwa, University of California San Diego
Alain Karma, Northeastern University
Kyoung Jin Lee, Korea University, KOREA
Andrew Oates, MPI Dresden, GERMANY
Alan Perelson, Los Alamos National Laboratories
Thomas Perkins, University of Colorado
Matthias Rief, Technische Universität München, GERMANY
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