

Safed Summer Workshop on: Physics of Biological Matter

In memory of Pierre-Gilles de Gennes
September 2-7, 2007



This is the first gathering of the Israeli research community in the field of the physics and materials aspects of biological matter. The subjects cover the whole spectrum: from the physical properties of single biological molecules to larger self-assembled structures such as cell membranes and cytoskeletons.

The topics will include:

- Cytoskeleton structure and dynamics
- Cellular membranes
- Cell adhesion
- Protein dynamics and interactions
- Dynamics of biological molecules and self-assembly
- Mechanical properties of biological systems
- DNA complexes, dynamics and expression

Guest speakers:

Jonathan Widom, Northwestern University (USA)
Jacques Prost, ESPCI (Paris)
Helmut Schiessel, Instituut-Lorentz (Leiden)
Alex Mogilner, UC Davis (USA)
William Brownell, Baylor College of Medicine (USA)
Ben Ovryn, Albert Einstein College of Medicine (USA)
Jeffrey Fredberg, Harvard University (USA)



Confirmed Invited Speakers:

Lia Addadi, Weizmann Institute
Uri Alon, Weizmann Institute
Roy Bar-Ziv, Weizmann Institute
Nir Ben-Tel, Tel Aviv University
Erez Braun, Technion
Haim Diamant, Tel Aviv University
Michael Elbaum, Weizmann Institute
Mario Feingold, Ben-Gurion University
Rony Granek, Ben-Gurion University
Gilad Haran, Weizmann Institute
Daniel Harries, Hebrew University
Amnon Horovitz, Weizmann Institute
Yariv Kafri, Technion
Nir Kampf, Weizmann Institute
Oleg Krichevsky, Ben Gurion University
Yaakov (Koby) Levy, Weizmann Institute
Aaron Lewis, Hebrew University
Ohad Medalia, Ben Gurion University
Uri Raviv, Hebrew University
Ziv Reich, Weizmann Institute
Samuel Safran, Weizmann Institute
Joel Stavans, Weizmann Institute
Tsvi Tlusty, Weizmann Institute
Daniel Wagner, Weizmann Institute

Organizing committee:

Nir Gov (WIS)
Oded Farago (BGU)
Anne Bernheim-Groswasser (BGU)
Itay Rousso (WIS)
Yitzhak Rabin (BIU)

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