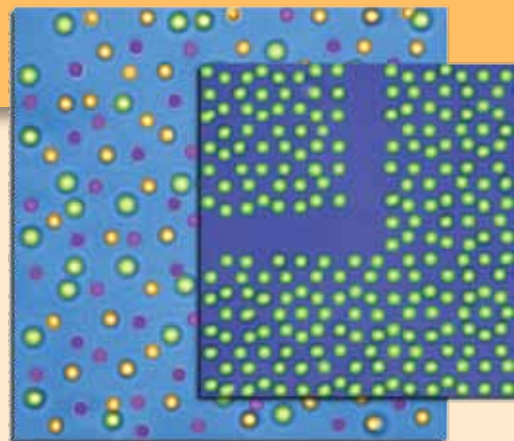


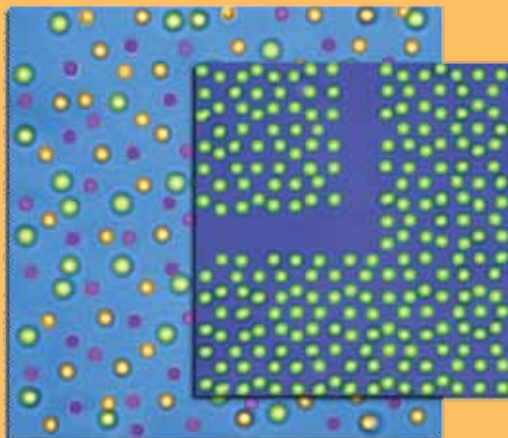
TEL AVIV SYMPOSIUM IN CHEMICAL PHYSICS

**FOCUS ON SOFT AND BIOLOGICAL
MATTER**



**THURSDAY, JUNE 18, 2009
09:00-18:00
TEL AVIV UNIVERSITY
MELAMED AUDITORIUM,
SHENKAR BUILDING**

TEL AVIV SYMPOSIUM IN CHEMICAL PHYSICS



For further information:

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- 9:00-9:20 Gathering and coffee
- 9:20-9:30 Opening remarks
- 9:30-10:00 **David J. Pine**, New York University
Reversibility in non-Brownian suspensions: A non-equilibrium phase transition and self-organized criticality
- 10:05-10:35 **Roy Bar-Ziv**, Weizmann Institute
Many-body physics in 2D microfluidic ensembles far from equilibrium
- 10:40-11:10 **Yael Roichman**, Tel Aviv University
Anomalous diffusion in optical vortices
- 11:15-11:40 Coffee break
- 11:40-12:10 **Daan Frenkel**, University of Cambridge
Proteins: folding, binding and moving
- 12:15-12:45 **Yoav Tsori**, Ben-Gurion University
Phase transitions in liquids in electric field gradients
- 12:45-14:45 Lunch, "Gan Hadekalim"
- 14:45-15:15 **Fred C. MacKintosh**, Vrije Universiteit Amsterdam
Non-equilibrium fluctuations in active gels and living cells
- 15:20-15:50 **Yuval Garini**, Bar Ilan University
Transient anomalous diffusion of telomeres in living cells
- 15:55-16:25 **Yariv Kafri**, Technion
Searching fast for a target on a DNA without falling to traps
- 16:25-16:55 Coffee break
- 16:55-17:25 **Eran Sharon**, Hebrew University
Shaping soft tissue via active deformation
- 17:30-18:00 **Thomas A. Witten**, University of Chicago
Chiral sedimentation and stain fadeout profile: two novel shaped responses via creeping flow