



The Center for Physics and  
Chemistry of Living Systems  
Tel Aviv University

## TAU BioSoft Day #2

March 24, 2020

Museum of Natural History, Tel Aviv University

09:00–09:30 Gathering

09:30–10:15 Alice Thorneywork (University of Cambridge)

*From the mesoscale to the nanoscale: colloidal models for biological transport*

10:15–10:45 Tom Shemesh (Technion)

*Forces shaping the smooth endoplasmic reticulum*

10:45–11:15 Coffee

11:15–11:45 Yitzhak Rabin (BIU)

*Aging of Thermoreversible Gel of Associating Polymers*

11:45–12:15 Raya Sorkin (TAU)

*The soft side of Extra-Cellular vesicles*

12:15–12:45 Ady Vaknin (HUJI)

*Dynamics of chemoreceptor clusters in bacteria*

12:45–14:00 Lunch

14:00–14:45 Yan Levin (Instituto de Física, UFRGS)

*Charge regulation of colloidal particles in aqueous electrolyte solutions*

14:45–15:15 Oleg Krichevsky (BGU)

*Probing bacterial chromosome structure with optical super-resolution*

15:15–15:45 Coffee

15:45–16:15 Gili Bisker (TAU)

*Time-irreversibility of fluctuations – More than meets the eye*

16:15–16:45 Hillel Aharoni (WIS)

*Universal Inverse Design of Thin Nematic Elastomer Surfaces*

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