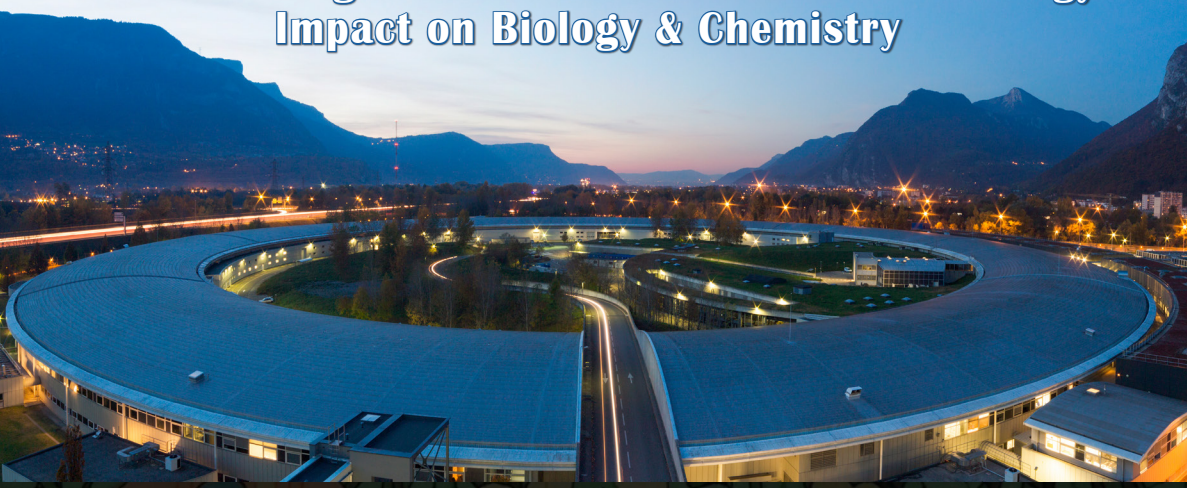
מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

Program Pre-SAAC Symposium:

The Technological Revolution in Structural Biology: Impact on Biology & Chemistry



Sunday | 6 November, 2016 | 08:20-17:00

The David Lopatie Conference Centre | Weizmann Institute of Science

Morning

08:20 Registration

08:50 Welcome
Prof. Michal Neeman, Vice President, Weizmann Institute of Science

1 Chair: Israel Silman, Weizmann Institute of Science

09:00 **Christopher Dobson**, Cambridge University
The amyloid state of proteins and its biological significance

09:30 **Peter E. Wright**, The Scripps Research Institute
Role of intrinsically disordered proteins in cellular signaling and regulatory network

10:00 **Carol Robinson**, Oxford University
Mass spectrometry from molecular chaperones to membrane motors

10:30 ***Coffee break***

2 Chair: Gilad Haran, Weizmann Institute of Science

10:50 **Carlos Bustamante**, University of California at Berkeley
Division of labor among the subunits of a highly coordinated ring ATPase

11:20 **Kenneth Dill**, Stony Brook University
Predicting protein structures and binding with knowledge-accelerated MD

11:50 **Michael Levitt**, Stanford University
Hybrid multiscale models for simulating functional motion in macromolecular complexes

12:20 ***Lunch***

3 Chair: Zvi Livneh, Weizmann Institute of Science

Afternoon

14:00 **David Eisenberg**, University of California at Los Angeles
Micro-electron diffraction reveals amyloid structures

14:30 **Sriram Subramaniam**, National Institutes of Health
High resolution cryo-EM

15:00 ***Coffee break***

4 Chair: Zippora Shakked, Weizmann Institute of Science

15:20 **Titia Sixma**, Netherlands Cancer Institute
Trapping transient states in DNA mismatch repair

15:50 **Henry Chapman**, Center for Free Electron Laser Science at DESY
Imaging macromolecules using X-ray FELs

16:20 Closing remarks
Joel L. Sussman & Steve Karlish, Weizmann Institute of Science

Conference Coordinator & Accessibility Issues
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