

Synchrotron Based Research in the Israeli Scientific Community

# Israel ESRF Workshop

**Wednesday, March 21, 2018** at the Israel Academy  
Albert Einstein Square, 43 Jabotinsky Street, Jerusalem

## PROGRAM

- 10:30 Gathering
- 11:00 Opening Session**
- Chair:** Yuval Golan, Chair, Synchrotron Committee of the Israel Academy
- Greetings:** Nili Cohen, President, Israel Academy of Sciences and Humanities (IASH)  
Ada Yonath, Nobel Laureate, IASH Member & Weizmann Institute of Science  
**The Importance of ESRF for the Israeli Scientific Research Community**
- Francesco Sette, Director General, ESRF  
**The ESRF EBS Programme: A New X-ray Source for Synchrotron Science**
- Moshe Deutsch, Bar-Ilan University  
**The Beginnings of a Wonderful Friendship: Israeli Science and Synchrotrons**
- Harald Reichert, Director of Research in Physical Sciences, ESRF  
**Science at the ESRF: Present and Future Challenges**
- 12:30 Open Discussion (Q&A): Israeli Participation at the ESRF in the Coming Years
- 12:50 Lunch Break**

**13:50** | **Technical Session**

Chair: Moshe Deutsch, Bar-Ilan University

Gordon Leonard, ESRF

Structural Biology at the ESRF: Present and Future

Boaz Pokroy, Technion – Israel Institute of Technology

Coherently Aligned Nanoparticles within a Biogenic Single Crystal: A Biological Prestressing Strategy

Noam Adir, Technion – Israel Institute of Technology

Isoform Heterogeneity Revealed in the A. Marina Phycocyanin Crystal Structure

Roy Beck, Tel Aviv University

Making Order Out of Disorder Using Small-Angle X-Ray Scattering

Yuval Golan, Ben-Gurion University of the Negev

Monitoring Nucleation and Growth Using In-Situ GIXD

**15:10** | **Coffee Break**

Yaffa Zilbershats, Chair, Planning and Budgeting Committee of the Council for Higher Education

Yeshayahu (Ishi) Talmon, Technion, Member of the Planning and Budgeting Committee of the Council for Higher Education

**15:50** | **Technical Session II**

Chair: Noam Adir, Technion – Israel Institute of Technology

Tobias Schulli, ESRF

The Bright Future of Nanoscience and Synchrotron Radiation

Joel Hirsch, Tel Aviv University

Recent Tel Aviv University Structural Biology Results from the ESRF

Sharon Shwartz, Bar-Ilan University

Nonlinear X-Ray Spectroscopy

Barak Akabayov, Ben-Gurion University of the Negev

Application of Synchrotron-Based Techniques in Biochemical Sciences

Uri Raviv, The Hebrew University of Jerusalem

Dynamics of Hepatitis B Capsid Assembly

Oded Livnah, The Hebrew University of Jerusalem

ESRF and My Kinases – A Prospering Duo

**17:25** | **Wrap-Up and Farewell**

