

הפקולטה למדעים
מדויקים ע"ש ריימונד
ובברלי סאקלר
אוניברסיטת תל אביב



The Raymond and
Beverly Sackler Faculty
of Exact Sciences
Tel Aviv University

2016

פרס בינלאומי בכימיה
ע"ש ריימונד ובברלי סאקלר

28 בפברואר, 2017

2016

The Raymond and Beverly Sackler
International Prize in Chemistry

February 28, 2017

אודיטוריום בית הספר
ללימודי הסביבה ע"ש פורטר
קמפוס אוניברסיטת תל-אביב

Tel Aviv University
Porter School of Environmental
Studies Auditorium



The Raymond and
Beverly Sackler Faculty
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Honoring the Recipients of the 2016 Raymond and Beverly Sackler International Prize in the Physical Sciences in the field of Chemistry

Research field for 2016: *Magnetic Resonance*

Tuesday, 28 Feb. 2017 | 9:00 a.m. – 5:00 p.m. | Auditorium of the Porter school of Environmental Studies

PRIZE RECIPIENTS

Prof. John Morton	London Centre for Nanotechnology and Department of Electronic and Electrical Engineering, UCL (University College London), UK
Prof. Charalampos Babis Kalodimos	Department of Biochemistry, Molecular Biology and Biophysics, University of Minnesota, USA
Prof. Guido Pintacuda	Institute of Analytical Sciences (High-Field NMR Centre), Ecole Normale Supérieure de Lyon – CNRS – Université Claude Bernard, FRANCE

8:30-9:00 **Gathering, coffee and light breakfast**

9:00 **Opening**

Prof. Raanan Rein, Vice President of Tel Aviv University

Chair: **Sharon Ruthstein**, Department of Chemistry, Bar-Ilan University

9:10-9:40 **Prof. Daniella Goldfarb**, Department of Chemical Physics, Weizmann Institute of Science: *High Spin Metal Ions as Spin Labels for Structural Studies of Proteins In Vitro and In Cell*

9:40-10:10 **Prof. Gil Navon**, School of Chemistry, Tel Aviv University: *Molecular imaging of tumors by chemical exchange saturation transfer (CEST) MRI*

10:10-10:40 **Dr. Rina Rosenzweig**, Department of Structural Biology, Weizmann Institute of Science: *CEST-based Insights into Hsp70 Chaperone-Substrate Interactions*

10:40-11:00 **Coffee break**

Chair: **Michal Leskes**, Department of Materials and Interfaces, Weizmann Institute of Science

11:00-11:30 **Prof. Sophia Hayes**, Department of Chemistry, Washington University: *New Opportunities for Semiconductor Studies Using Optically Pumped NMR*

11:30-12:00 **Prof. Jordan Chill**, Department of Chemistry, Bar-Ilan University: *NMR-based insights into the behavior of a disordered protein*

12:00-13:00 **Prof. Guido Pintacuda**, Institute of Analytical Sciences (High-Field NMR Centre), Ecole Normale Supérieure de Lyon – CNRS – Université Claude Bernard: *Dancing spins in a spinning world: structure and dynamics of non-crystalline proteins by NMR*

13:00-14:30 **Lunch**

14:30 **Prize Ceremony**

Prof. Yoav Henis, Tel Aviv University Vice President for Research and Development

Prof. Michael Urbakh, Head of the School of Chemistry, Tel Aviv University

Prof. Yoram Cohen, School of Chemistry, Tel Aviv University

Prof. Amir Goldbourt, School of Chemistry, Tel Aviv University

Chair: **Asher Schmidt**, Schulich Faculty of Chemistry, Technion – Israel Institute of Technology

15:00-16:00 **Prof. Charalampos Babis Kalodimos**, Department of Biochemistry, Molecular Biology and Biophysics, University of Minnesota: *Functional mechanisms of large, dynamic complexes by NMR*

16:00-17:00 **Prof. John Morton**, London Centre for Nanotechnology and Department of Electronic and Electrical Engineering, UCL: *Putting quantum information in a spin*