



Schulich Winter School

Frontiers in Inorganic Chemistry,

honoring Prof. Harry B. Gray's 80th Birthday

Lecture Program

Tuesday, December 1st, 2015	
Location: Faculty of Chemistry, Lecture Hall No. 4	
14:00-14:30	Greeting and opening remarks
Session 1 – Chairman: Prof. Mark Gandelman, Technion	
14:30-15:15	Design and Application of Metal-Catalysed Reactions for Sustainable Chemistry Prof. David Milstein, Weizmann Institute of Science, Israel
15:15-16:00	Driving Proton-Coupled Electron Transfer Reactions with Solar Photons Prof. Jillian L. Dempsey, University of North Carolina, USA
16:00-16:20	Coffee Break
Session 2 – Chairman: Prof. Tim Bender, University of Toronto	
16:20-17:05	Electrons, Holes, and Proteins Prof. Jay R. Winkler, California Institute of Technology, USA
17:05-17:50	Recent Advances in Low-Coordination Silicon Compounds Prof. Yitzhak Apeloig, Technion, Israel
19:00	Dinner

Wednesday, December 2nd, 2015	
Location: Faculty of Chemistry, Lecture Hall No. 4	
08:45-09:00	Gathering and Coffee
Session 3 – Chairman: Prof. Timor Baasov, Technion	
09:00-09:45	Supramolecular Bioinorganic Chemistry Prof. Akif Tezcan, University of California, San Diego, USA
09:45-10:30	Molecular Imaging of In Vivo Gene Expression: Are we there yet? Prof. Tom Meade, Northwestern University, USA
10:30-11:15	New Frontiers in Xenon Host-Guest Chemistry Prof. Ivan J. Dmochowski, University of Pennsylvania, USA

Thursday, December 3rd, 2015	
Location : Samuel Neaman Institute, Lecture hall	
	Session 4 – Chairman: Prof. Charles E. Diesendruck, Technion
09:00-09:45	Organic-Based Magnets: New Chemistry and Materials for this Millennium Prof. Joel S. Miller, University of Utah, USA
09:45-10:30	Recent Advances in Stereoselective Synthesis Prof. Ilan Marek, Technion, Israel
10:30-11:00	Coffee Break
	Session 5 – Chairman: Prof. Israel Pecht, Weizmann Institute of Science
11:00-11:45	Calixpyrroles: From Anion Receptors to Self-assembled Materials Prof. Jonathan Sessler, University of Texas, USA
11:45-12:30	NMR to Characterize Transient Iron Sites in Proteins Prof. Paola Turano, University of Florence, Italy
12:30-13:15	Form and Substance: Protein Morphogenesis Prof. Maurizio Brunori, University of Rome, Italy
13:30-15:00	Lunch Break
	Session 6 – Chairman: Prof. Zeev Gross, Technion
15:00-15:15	Greetings
15:15-16:15	The Currents of Life: Electron Flow through Metalloproteins Prof. Harry B. Gray, California Institute of Technology, USA
16:15-16:30	Concluding Remarks