

THURSDAY, MARCH 15, 2018

14:00-16:00	Session V Chairperson: Meital Rechtes
14:00-14:30	Alexandra P. Marques , Department of Polymer Engineering, University of Minho, PO <i>Exploring Micron and Sub-Micron Features of Skin Tissue: Impact in (Patho)Physiology</i>
14:30-14:45	Ido Cooperstein , Chemistry Additive Manufacturing of Transparent Ceramics from Solutions
14:45-15:00	Maya Engel , Agriculture <i>Water Disinfection with Magnetic Carbon-Nanotubes</i>
15:00-15:15	Tom Dvir , Physics <i>Spectroscopy of Bulk and Ultrathin NbSe₂ with Van-der-Waals Tunnel Junctions</i>
15:15-15:30	Demetry Farfurnik , Applied Physics <i>Spin Ensembles in Diamond for Sensing and Many-Body Physics</i>
15:30-15:45	Avner Neubauer , Applied Physics <i>Towards to a Non-Binary Device Based on Hybrid Molecular-Nanocrystal Infrared Detector</i>
15:45-16:00	Prizes and Closing
16:30	Departure

The 2018 Annual Conference Scientific Committee:
Meital Rechtes, Ofra Benny, Ori Katz, Uriel Levy

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The Harvey M. Krueger Family Center
for Nanoscience and Nanotechnology

האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM



The Annual Conference
of the Hebrew University's
Center for Nanoscience
and Nanotechnology
14-15.03.2018

- ROYAL HOTEL -
The Dead Sea, Ein Bokek

WEDNESDAY, MARCH 14, 2018

10:00-10:45	Arrival and Refreshments
10:45-11:00	Opening and Greetings: Uriel Levy , Director of the Center
11:00-12:30	Session I Chairperson: Uriel Levy
11:00-12:00	Dov Moran , Grove Ventures <i>100 Doors: an Introduction to Entrepreneurship</i>
12:00-12:30	Itamar Willner , Chemistry <i>Inorganic and Metal-Organic Framework Nanoparticles for Catalysis, Drug Delivery and Energy Conversion</i>
12:30-14:00	Lunch
14:00-16:00	Poster session with a sweet surprise
16:00-16:30	Room Key Distribution
16:30-18:30	Session II Chairperson: Uri Banin
16:30-17:00	Uri Raviv , Chemistry <i>Dynamic Self-Assembly of Biomolecules</i>
17:00-17:45	Simon Benita , Pharmacy Geoffrey Vince, Robin Crotty , Cleveland clinic <i>The Center for Transformative Nanomedicine: A Collaboration Between Cleveland Clinic and Hebrew University</i>
17:45-18:00	Ji Botao , Chemistry <i>Heavy-Metal Free Fluorescent ZnTe/ZnSe Nano-Dumbbells</i>
18:00-18:30	Dan Oron , Weizmann Institute, IL <i>The (Nano) Optics of Life</i>
18:30-20:00	Dinner
20:00-22:00	Drunken Discussions and Nano Art by the Pool

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7:00-9:00	Breakfast	
9:00-10:45	Parallel session III	
	Chairperson: Danny Mandler	Chairperson: Oded Shoseyov
9:00-9:30	Ori Gidron , Chemistry <i>Furan-Containing Materials for Organic Electronics</i>	Rivka Elbaum , Agriculture <i>A Mechanism Controlling the Polymerization of Silica in Plants</i>
9:30-10:00	Shlomo Yitzchaik , Chemistry <i>Conformationally Adaptive Biosensors</i>	Ofra Benny , Pharmacy <i>Rational Design of Nanoparticles for Cancer Treatment</i>
10:00-10:30	Daniel Harries , Chemistry <i>Taking Asmolytes to Heart: How TMAO Changes Lipid Interaction and what this has to do with Cardiovascular Disease</i>	Ido Braslavsky , Agriculture <i>Ice-Binding Proteins and their Interaction with Ice Crystals</i>
10:30-10:45	Roman Zhuravel , Chemistry <i>Electrical Transport Measurements through Single DNA Molecules</i>	Sigalit Aharon , Chemistry <i>The Effect of the Alkylammonium Cation on the Optical and Physical Properties of Organic-Inorganic Perovskite Nanoparticles</i>
10:45-11:15	Coffee Break	
11:15-12:45	Parallel session IV	
	Chairperson: Hadar Steinberg	Chairperson: Ofra Benny
11:15-11:45	Eran Sharon , Physics <i>Shape Transitions and Fluctuations of Helical Ribbons – from Cold Seed Pods to Thermal Chiral Macromolecules</i>	Borja Sepúlveda , Catalan Institute of Nanoscience and Nanotechnology, SP <i>Magnetically Enhanced and Controlled Photo-Thermal Therapies</i>
11:45-12:15	Eilon Sherman , Physics <i>Resolving Mechanisms of Protein Dynamics and Organization at the Cell Membrane in Single Molecule Detail</i>	Avi Domb , Pharmacy <i>Nano-Formulations for Improved Drug Therapy</i>
12:15-12:30	Hamza Abudayyeh , Physics <i>Purification of Single Photons by Temporal Heraldng of Quantum Dot Sources</i>	Itamar Shabtai , Agriculture <i>Polycyclodextrin-Clay Composites: Regenerable Dual-Site Sorbents for Bisphenol A Removal from Treated Wastewater</i>
12:30-12:45	Uri Weiss , Applied Physics <i>Two Photon Lens-Less Micro-Endoscope, using Wave-Front Shaping</i>	Sivan Nir – Luz , Chemistry <i>Synergetic Antifouling and Antimicrobial Activity by Self-Assembled Adhesive Peptide Particles</i>
12:45-14:00	12:45-14:00 Lunch	