



Ambasciata d'Italia
Tel Aviv

ITALY-ISRAEL CONFERENCE ON NANOSCIENCE AND NANOTECHNOLOGY FOR MEDICAL APPLICATIONS

Organizers: Ronit Satchi-Fainaro, Ehud Gazit, Lihl-Adler-Abramovich, Anna Scomparin
The Steinhardt Museum of Natural History, Tel Aviv University, Tel Aviv, Israel, 29-30 October 2019

TUESDAY, OCTOBER 29TH 2019

8:30-9:00 | Coffee and refreshments

9:00-9:30 | Welcome

Ronit Satchi-Fainaro, Tel Aviv University, Tel Aviv, Israel

Ariel Porat, President of Tel Aviv University

Gianluigi Benedetti, Italian Ambassador in Tel Aviv, Israel

Ehud Gazit, Tel Aviv University, Tel Aviv, Israel

Session I

Chair: Ronit Satchi-Fainaro, Tel Aviv University, Tel Aviv, Israel

9:30-9:55 | Paolo Bigini

Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Italy

"From Nanotech to Nanomed: the experience at the Mario Negri Institute"

9:55-10:20 | Lihl Adler-Abramovich

Tel Aviv University, Tel Aviv, Israel

"Bioinspired Nano-Materials for Tissue Regeneration"

10:20-10:45 | Roberta Cavalli

University of Torino, Italy

"Nanobubble technology: State of the art and applications in drug delivery"

10:45-11:15 | Coffee Break

Session II

Chair: Paolo Bigini, IIT Istituto di Ricerche Farmacologiche Mario Negri IRCCS

11:15-11:40 | Roey Amir

Tel Aviv University, Tel Aviv, Israel

"The fine balance between stability and enzymatic degradability of polymeric micelles – the importance of molecular precision"

11:40-12:05 | Silvia Marchesan

University of Trieste, Italy

"Chirality effects on peptide self-assembly for therapy"

12:05-12:30 | Gianfranco Pasut

University of Padova, Italy

"Enzymatic PEGylation performed with transglutaminase"

12:30-14:00 | Lunch



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Session III

Chair: Ayala Lampel

14:00-14:25 | Giancarlo Morelli

University of Naples "Federico II", Italy

"Development of liposomal drugs modified by bioactive peptides"

14:25-14:50 | Antonella Accardo

University of Naples "Federico II", Italy

"Self-assembled multi-scale peptide nanostructures for biomedical applications"

14:50-15:15 | Meytal Landau

Israel Institute of Technology, Haifa, Israel

"Functional Protein Fibrils in Infectious and Neurodegenerative Diseases"

15:15-15:45 | Coffee Break

Session IV

Chair: Anna Scomparin

15:45-16:10 | Ali Hassanali

Abdus Salam International Centre for Theoretical Physics, Trieste, Italy

"On the Molecular Origins of Intrinsic Fluorescence in Protein Aggregates"

16:10-16:35 | Danny Porath

Hebrew University of Jerusalem, Jerusalem, Israel

"Molecular electronics with DNA"

WEDNESDAY, OCTOBER 30TH 2019

8:30-9:00 | Coffee and refreshments

Session V

Chair: Ehud Gazit

9:00-9:25 | Oded Shoseyov

Hebrew University of Jerusalem, Jerusalem, Israel

"The plant age: Materials for the future"

9:25-9:50 | Paolo Caliceti

University of Padova, Italy

"Novel environmentally sensitive supramolecular architectures for controlled drug delivery"

9:50-10:15 | Rafal Klajn

Weizmann Institute of Science, Rehovot, Israel

"Light-controlled trapping and release in supramolecular and colloidal systems"

10:15-10:45 | Coffee Break



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Session VI

Chair: Gili Bisker

10:45-11:10 | Rachela Popovtzer

Bar-Ilan University, Ramat Gan, Israel

"Seeing is Believing: Tracking the Movement of Cells Within Our Body"

11:10-11:35 | Ulyana Shimanovich

Weizmann Institute of Science, Rehovot, Israel

"Amyloid fibrils as a building blocks for protein-based biomaterials"

11:35-12:00 | Anna Scomparin

University of Torino, Italy

"Nano-vaccine sensitizes melanoma to immune checkpoint modulators"

12:00-14:00 | Lunch and Tour of the museum for invited speakers by Dr Rachel Sarig

Session VII

Chair: Dan Peer

14:00-14:25 | Paolo Decuzzi

Italian Institute of Technology at Genoa , Italy

"Pharmaco-mechanics in the design of novel drug delivery devices"

14:25-14:50 | Avi Schroeder

Israel Institute of Technology, Haifa, Israel

"Barcoded cancer nanomedicines and nanoimmunotherapies perform differently in the primary tumor and in the metastasis"

14:50-15:15 | Summary and farewell