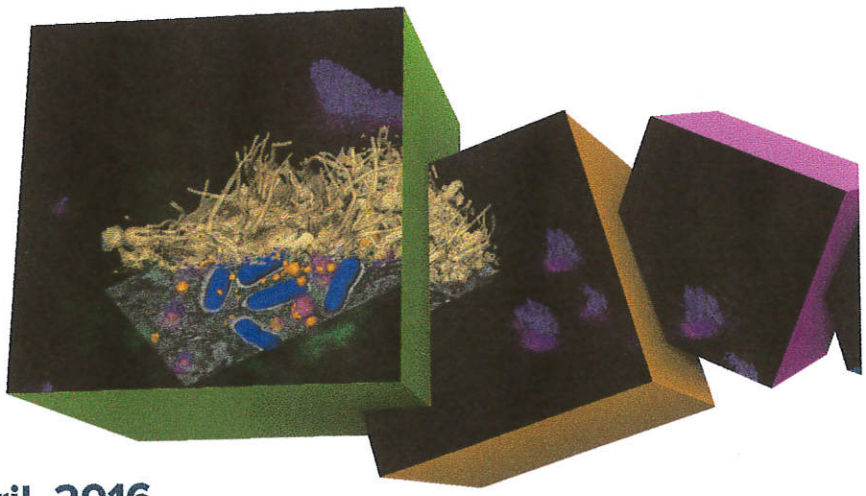
מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

Conseil Pasteur-Weizmann

Institut Pasteur

The 25th Pasteur-Weizmann meeting

New Trends in Biological Microscopy



13-14 April, 2016

The David Lopatie Conference Centre
Weizmann Institute of Science

For assistance with accessibility issues, please contact Irit Veksler
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www.weizmann.ac.il/conferences/Pasteur-WIS2016

Wednesday, 13 april

8:30-11:30	**SESSION I** **Deborah Fass, Chair**
08:30-09:00	Registration & coffee
09:00-09:10	**Daniel Zajfman,** President, Weizmann Institute of Science Opening Remarks
09:10-10:00	**Elizabeth Wright,** Emory University New insights into the structure and function of cells and viruses from cryo-electron tomography
10:00-10:20	**Olivier Schwartz,** Pasteur Institute HIV cell-cell spread, innate and adaptive immune countermeasures
10:20-10:40	**Frank Lafont,** Pasteur Institute Correlative microscopy modalities using Atomic Force Microscopy to study host-pathogen interactions
10:40-11:00	**Avi Minsky,** Weizmann Institute of Science What can we learn from the infection cycle of giant viruses?
11:00-11:30	Coffee Break
11:30-14:00	**SESSION II** **Ronen Alon, Chair**
11:30-11:50	**Orly Reiner,** Weizmann Institute of Science Novel regulators of neuronal stem cells in the developing brain
11:50-12:10	**Giulia Manina,** Pasteur Institute Single-cell dynamics of mycobacterial heterogeneity towards new intervention strategies

12:10-12:30	**Benny Geiger,** Weizmann Institute of Science Biomechanics of cell adhesion and migration, studied by live-cell video microscopy
12:30-12:50	**Marc Lecuit,** Pasteur Institute Listeria invasion of host tissues
12:50-14:00	Lunch
14:00-15:40	SESSION III - INFLAMMATION CASCADES **Sharon Wolf, Chair**
14:00-14:20	**Maya Schuldiner,** Weizmann Institute of Science Making contact - regulating the extent of contact sites between organelles
14:20-14:40	**Emmanuel Levy,** Weizmann Institute of Science Quantitative analyses of protein organisation in vivo
14:40-15:00	**Sven Van Teeffelen,** Pasteur Institute Discovering the principles of bacterial cell-shape regulation with live-cell video microscopy
15:00-15:20	**Roy Bar-Ziv,** Weizmann Institute of Science Programmable on-chip DNA compartments as artificial cells
15:20-15:40	**Andres Alcover,** Pasteur Institute Building immunological synapses through the coordinated action of cytoskeleton and endosomal traffic

Thursday, 14 April

08:30-11:20	**SESSION IV** **Zvi Kam, Chair**
08:30-09:00	Registration & coffee
09:00-09:50	**Pavel Tomancak,** Max Planck Institute for Molecular Cell Biology and Genetics Imaging patterns of gene expression during development
09:50-10:10	**Francois Schweisguth,** Pasteur Institute Live imaging analysis of Notch signaling and trafficking
10:10-10:30	**Karina Yaniv,** Weizmann Institute of Science How YouTube the vertebrate's body: insights from zebrafish
10:30-10:50	**Yaniv Ziv,** Weizmann Institute of Science Imaging memory representations in the hippocampus of freely behaving mice
10:50-11:20	Coffee Break
11:20-14:00	**SESSION V** **Neta Rudski-Regev, Chair**
11:20-11:40	**Shalev Itzkovitz,** Weizmann Institute of Science Single molecule approaches for studying gene expression in intact mammalian tissues
11:40-12:00	**Rogerio Amino,** Pasteur Institute New insights in the skin phase of malaria parasite infection
12:00-12:20	**Guy Shakhar,** Weizmann Institute of Science Intravital imaging of leukocyte-epithelium interactions
12:20-12:40	**Guillaume Dumenil,** Pasteur Institute Vascular colonization by Neisseria meningitidis

12:40-13:00	**Allon Weiner,** Pasteur Institute Correlative light-electron microscopy of bacterial invasion
13:00-14:00	Lunch
14:00-16:30	**SESSION VI** **Gilad Haran, Chair**
14:00-14:20	**Christophe Zimmer,** Pasteur Institute Expanding super-resolution imaging through computation, optics and chemistry
14:20-14:40	**Michael Elbaum,** Weizmann Institute of Science Scanning TEM expands the horizons of cellular cryo-tomography
14:40-15:00	**Irit Sagi,** Weizmann Institute of Science Applications of correlated AirSEM technology to tissue remodeling biology
15:00-15:20	**Jost Enninga,** Pasteur Institute Fluorescence assays to monitor intracellular localization of bacteria
15:20-15:40	Coffee Break
15:40-16:20	Round-table discussion on **promotion of access to new technologies**
16:20-16:30	Closing remarks