

# INTERNATIONAL DAY OF WOMEN IN SCIENCE

Tuesday | March 12 | 2024

The David Lopatie Conference Centre  
Weizmann Institute of Science



8:30	Gathering and light refreshments
9:00	<b>Greetings</b> <b>Prof. Idit Shachar</b>   Head, Office for the Advancement of Women in Science and Gender Equality <b>Prof. Alon Chen</b>   President, Weizmann Institute of Science
<b>Session 1   A special session in memory of Dr. Marcel Frailich Kaplun who was murdered in Kibbutz Be’eri on October 7</b> Chair: Dr. Zohar Eyal	
9:15	<b>Dr. Yael Schwartz</b>   Department of Science Teaching <i>A tribute to Marcel</i>
9:30	<b>Stephanie Bismuth</b>   Department of Science Teaching <i>Science and technology teachers as designers of differentiated instruction supported by the digital learning environment PeTeL</i>
9:45	<b>Yael Shtechman</b>   Department of Science Teaching <i>Children’s biological explanations and the things we do wrong while teaching them</i>
10:00	<b>Yasmin Ben-Ishay</b>   Department of Chemical and Biological Physics <i>In-cell electron paramagnetic resonance (EPR) spectroscopy: A nanoscale ‘glasses’ for studying proteins in the cell</i>
10:15	<b>Dr. Aurore Dupin</b>   Department of Chemical and Biological Physics <i>Antibody epitope characterization in a multiplex surface-based cell-free expression platform</i>
10:30	<b>Odelia Chitrit Chaze</b>   Department of Chemical and Biological Physics <i>Preclinical MRI advanced research: pushing the limitations for imaging the headquarters activity of the sense of smell</i>
10:45-11:15	Coffee break
<b>Session 2   Chair: Yasmin Ben-Ishay</b>	
11:15	<b>Jenny-Lee Mathias</b>   Department of Molecular Chemistry and Materials Science <i>Electrocatalytic epoxidation using H<sub>2</sub>O as a green oxygen source</i>
11:30	<b>Dr. Shifra Lansky</b>   Department of Chemical and Structural Biology <i>High speed atomic force microscopy captures a rare oligomeric state of an ion channel</i>

## Host

**Prof. Idit Shachar**  
Head, Office for the Advancement  
of Women in Science and Gender Equality



Registration [link](#)

## Conference Coordinator & Accessibility Issues

May Bender ✉ [maybe@weizmann.ac.il](mailto:maybe@weizmann.ac.il)

11:45	<b>Disha Gajanan Hiregange</b>   Department of Chemical and Structural Biology <i>Cryo-EM structural studies of the ribosome from the anaerobic bacteria Porphyromonas gingivalis and its macrolide-resistant strain</i>
12:00	<b>Yael Lebel</b>   Department of Molecular and Cellular Biology <i>What do autoimmune relapses have to do with laser physics?</i>
12:15	<b>Dr. Shlomit Edri</b>   Department of Computer Science and Applied Mathematics <i>Engineered vascularized pancreatic tissue using organoid culture and 3D bioprinting</i>
12:30	<b>Hila Dahari-Garbian</b>   Department of Computer Science and Applied Mathematics <i>That’s not my signature! Fail-stop signatures for a post-quantum world</i>
12:45-13:45	Lunch break
<b>Session 3   Chair: Yahel Avraham</b>	
13:45	<b>Amit Binyamin</b>   Department of Immunology and Regenerative Biology <i>Deciphering the Sexual Dimorphism of the Immune System</i>
14:00	<b>Dr. Naama Darzi</b>   Department of Molecular Cell Biology <i>Dissecting the role of cholesterol metabolism to treat Cancer-Associated Cachexia (CAC)</i>
14:15	<b>Dr. Diana Gataulin</b>   Department of Molecular Genetics <i>Gene therapy and viral oncolysis using selectively transducing vectors</i>
14:30	<b>Dr. Noa Novershtern</b>   Department of Molecular Genetics <i>Human post-implantation embryo models from naive ES cells</i>
14:45	<b>Dr. Nathalie Bechon</b>   Department of Molecular Genetics <i>Diversification of molecular patterns recognized by bacterial NLR-like proteins during phage infection</i>
15:00	<b>Avia Mizrachi</b>   Department of Plant and Environmental Sciences <i>Redox heterogeneity reveals conserved cell fate regulation genes in algae</i>
15:15	Yoga session

## Organizing Committee

**Yahel Avraham**  
Department of Systems Immunology

**Yasmin Ben-Ishay**  
Department of Chemical  
and Biological Physics

**Hila Dahari-Garbian**  
Department of Computer Science  
and Applied Mathematics

**Dr. Zohar Eyal**  
Department of Molecular Genetics