



מכון
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WEIZMANN
INSTITUTE
OF SCIENCE

The 4th International Day of Women in Science

Hosted by the Office for the Advancement
of Women in Science and Gender Equality

March 4, 2025

The David Lopatie Conference Centre
Weizmann Institute of Science



8:30 ☕ Gathering and light refreshments

9:00 Greetings

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

Prof. Ziv Reich | Vice President of the Weizmann Institute of Science

SESSION 1 Chair: Zohar Persky

9:15 **Dr. Noa Lavi-Shoseyov** | Department of Immunology and
Regenerative Biology
Maintenance of the ovarian follicular reserve

9:30 **Sonia Oren** | Department of Biomolecular Sciences
Pipecolic acid secreted by the malaria parasite promotes its growth

9:45 **Nofar Yehuda** | Department of Plant and Environmental Sciences
Understanding marine aggregation: A synthetic community
approach

10:00 **Talia Shaler** | Department of Plant and Environmental Sciences
Exploring the transcriptomic landscape of phytoplankton resistance
to lytic viral infection

10:15 **Ron Carmel Vinestock** | Department of Molecular Genetics
From tendon to bone, unraveling the molecular complexity
of the enthesis

10:30 **Dr. Debasmitta Ghosh** | Department of Biomolecular Sciences
Investigating protein interactions directly from human cell lysates:
A novel direct-MS approach

10:45 **Lital Ben Moyal** | Department of Immunology and Regenerative Biology
MRI-Based monitoring of iron deficiency in the maternal-fetal unit

11:00 ☕ Coffee break

SESSION 2 Chair: Gal Raviv

11:30 **Dr. Eynat Haviv** | Department of Molecular Chemistry and Materials Science
Guest transition metals in host keplerate nanocapsules as inorganic
functional mimics of monooxygenase enzymes

11:45 **Elena Rogoulenko** | Department of Chemical and Structural Biology
A mystery in protein-DNA matching: Fast search leads
to slow recognition

12:00 **Noga Liberty-Levi** | Department of Earth and Planetary Sciences
The role of ocean processes in future climate changes

12:15 **Dr. Natalia Glorizova** | Department of Molecular Chemistry and
Materials Science
Nitrogen-containing compounds: a promising alternative to oxides as
functional materials

12:30 **Paula Carolina Kotli** | Scientific Archaeology
Enamel Chronicles: Decoding the neolithic world through
palaeoproteomics

12:45 **Yael Noy** | Department of Molecular Genetics
Changing colors: Unraveling the molecular and structural
mechanisms of zebrafish chromatophore plasticity

13:00 🍽️ Lunch break

SESSION 3 Chair: Ariel Shaulker & Nitzan Kahn

13:45 SPECIAL GUEST LECTURE

MD. Hila Korach | Journalist

"The voice in our heads"

14:15 **Chaya Halperin** | Department of Physics of Complex Systems
Topological defects in colloidal smectic liquid crystals

14:30 **Odelia Melamed** | Department of Computer Science and
Applied Mathematics
Forget about me - unlearning in neural networks

14:45 **Michal Hartstein** | Department of Molecular Chemistry
and Materials Science
Predicting and understanding color polymorphism in ROY from first
principles

15:00 **Dr. Tanim Firdoshi** | Department of Physics of Complex Systems
Room temperature probabilistic CNOT gate with synchronized
photons

15:30 End of day Yoga

Sharon Dar | Faculty of Mathematics and Computer Science
*Please bring comfortable clothes



Registration

Hosts

Prof. Idit Shachar

Head, Office for the Advancement of Women in Science
and Gender Equality

Limor Rimon-Madhala

Office for the Advancement of Women in Science
and Gender Equality

Organizing Committee

Hadar Nasi

Department of Molecular Chemistry and Materials Science

Gal Raviv-Franco

Department of Chemical and Structural Biology

Zohar Persky

Department of Plant & Environmental Sciences

Nitzan Kahn

Department of Condensed Matter Physics

Ariel Shaulker

Department of Computer Science and Applied Mathematics

Conference Coordinator & Accessibility Issues

May Bender ✉ maybe@weizmann.ac.il