



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