



# Pathways to Healthy Longevity

October 15<sup>th</sup>, 2017 - Bar-Ilan University



Bar-Ilan  
University



**Bar Ilan University. Nanotechnology Building (Bldg 206). Part of “Longevity month” campaign**

**8.30-9.00 – Gathering and Opening**

**9.00-10.50 – Slowing down the aging process**

9.00-9.30 – **KEYNOTE SPEAKER - Prof. Nir Barzilai.** Albert Einstein College of Medicine, NY  
– How to die young at a very old age.

9.30-9.50 – **Prof. Haim Cohen.** Bar Ilan University – Regulation of lifespan by differential utilization of energy sources

9.50-10.10 – **Prof. Sivan Korenblit.** Bar Ilan University – Maintaining a healthy proteome in the old - lessons from long-lived animals

10.10-10.30 – **Prof. Yosef Gruenbaum.** Hebrew University of Jerusalem – A novel link between aging and metabolism

10.30-10.50 – **Prof. Michal Schwartz.** Weizmann Institute of Science – Boosting immunity to combat age-related dementia and Alzheimer’s disease

Break

**11.00-11.30. Advancing Biomedical Research of Aging as a National Task (Discussion Panel)**

**Mrs. Tali Ploskov** - Chairman of the Knesset Committee for the Advancement of Older Persons

**Prof. Nir Barzilai** – Deputy Scientific Director of the American Federation for Aging Research. Institute for Aging Research at the Albert Einstein College of Medicine, New York

**Prof. Haim Cohen** – Chairman of the Scientific Advisory Board of Vetek (Seniority) Association – the Senior Citizens Movement. Faculty of Life Sciences, Bar Ilan University.

**Mr. Rafi Eitan** – Chairman of Vetek (Seniority) Association – the Senior Citizens Movement.

**Dr. Ilia Stambler** – Chairman of Israeli Longevity Alliance

**11.30-13.00. POSTER SESSION, LUNCH AND NETWORKING**

**13.00-14.20 – Preventing Aging-related Damage**

13.00-13.20 – **Dr. Valery Krizhanovsky.** Weizmann Institute of Science – The role of senescent cells in aging and age-related diseases

13.20-13.40 – **Prof. Dan Peer.** Tel Aviv University – Precision Medicine in Aging

13.40-14.00 – **Dr. Anat Ben-Zvi.** Ben Gurion University – Protein homeostasis collapse: when does aging begin?

14.00-14.20 – **Prof. Ehud Cohen** – Hebrew University of Jerusalem – The lipid connection: new roles for caveolae in the orchestration of aging across the organism



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Break

## 14.40-15.40 – Measures of Healthy Longevity

14.40-15.00 – **Prof. Gil Atzmon**. Haifa University – What role does the environment play in longevity? Epigenetic approach

15.00-15.20 – **Dr. Ilija Stambler**. Bar Ilan University – Diagnosis of aging = Early detection of aging-related diseases

15.20-15.40 – **Dr. Daphna Laifenfeld**. “TEVA” Personalized & Predictive Medicine – Personalized medicine for neurodegenerative diseases

**15.50-17.00 – Award of 5 prizes to research students in biology of aging, healthy longevity and quality of life.**

The prizes will be awarded by Chairman of Medton Ltd. **Mr. Ytzhak Davidovich**.

## Awardees' presentations.

16.00-16.10 - **Noa Roitenberg** - Modulation of Caveolae by Insulin/IGF-1 signaling Regulates Aging of Caenorhabditis elegans (C. elegans) – Hebrew University of Jerusalem (Prof. Ehud Cohen's lab)

16.10-16.20 - **Ziv Zeev Zwighaft** - Clock control by polyamine levels through a mechanism that declines with age – Weizmann Institute of Science (Prof. Gad Asher's lab)

16.20-16.30 - **Asael Roichman** - Uncovering the effects of sirtuins overexpression on lifespan regulation - Bar Ilan University (Prof. Haim Cohen's lab)

16.30-16.40 - **Ronit Shapira** - Hyperbaric Oxygen Therapy Ameliorates the Pathophysiology of Alzheimer's Disease Mouse Models - Tel Aviv University (Prof. Uri Ashery's lab)

16.40-16.50 - **Tomer Illouz** - Assessing the Efficacy of a DNA Vaccine Against Amyloid- $\beta$  in a Down Syndrome Mouse Model - Bar Ilan University (Dr. Eitan Okun's lab)

16.50-17.00 - Closing remarks

## Organizing committee :

Prof. Haim Cohen, Prof. Sivan Henis-Korenblit, Dr. Ilija Stambler – Bar Ilan University

## Sponsoring organizations:

Bar Ilan University - אוניברסיטת בר-אילן

Medton Ltd - חברת "מדטון"

The Responsible Senior Citizen Association – המבוגר האחראי (ע"ר)

Vetek (Seniority) Association – תנועת האזרחים הותיקים (ע"ר) – מקודם: עמותת ותק

Senior Citizens Movement -

Israeli Longevity Alliance - העמותה הישראלית להארכת היים (ע"ר)

American Federation for Aging Research (AFAR)

Longevity (Longevity.org)

Special thanks to Mr. Rafi Eitan, Chairman of Vetek (Seniority) Association for his support.