

SCIENTIFIC PROGRAM

THURSDAY, 27 October 2016

09:00-10:30 **Registration**

10:30-11:00 **Welcome** **Ronen Durst**, President of the Israeli Society for Research, Prevention and Treatment of Atherosclerosis
Bianca Fuhrman: Head of the Scientific Committee

11:00-13:30 **Session 1: Vascular Biology in Atherosclerosis and Metabolic Disease**

Chairpersons: **Michael Aviram**, **Dov Lichtenberg**

11:00-11:25 **Paraoxonase (PON) protection against Atherogenesis**
Michael Aviram - Technion Faculty of Medicine, Israel

11:25-11:50 **Paraoxonase - 1 reduce vasodilation in the microcirculation by regulating the arachidonic acid lactone metabolite**
Andrea Szuchman-Sapir - MIGAL- Galilee Research Institute, Israel

11:50-12:15 **A novel lysosome-dependent mechanism for the treatment of diet-induced metabolic diseases**
Zemin Yao - University of Ottawa, Canada

12:15-12:40 **A Crosstalk Between Plaque And Blood Components During Atherosclerosis Progression**
Yacov Vaya - MIGAL- Galilee Research Institute, Israel

12:40-13:05 **Fructose restriction lowers apoC-III levels and yields less atherogenic lipoprotein profiles in children with obesity and metabolic syndrome**
Alejandro Gugliucci - Touro University-California, USA

13:05-13:30 **The synergistic anti-inflammatory effect of EPA, Lycopene, Carnosic acid and Lutein combinations via inhibition of NF- κ B and CREB signaling in activated microglia.**
Rachel Levy - Ben-Gurion University, Israel

13:30-14:30 **Lunch Break, Exhibition and Poster Viewing**

14:30-16:30 **Session 2: Development, Progression and Sequelae of Non-Alcoholic Fatty Liver Disease**

Chairpersons: **Yehuda Kamari**, **Ilana Harman-Boehm**

14:30-15:00 **On the mechanisms driving NASH and subsequent HCC: Metabolic immune activation is key**
Mathias Heikenwälder - Helmholtz Zentrum Muenchen, Germany

15:00-15:25 **Is there a specific treatment for NAFLD?**
Hilla Knobler - Kaplan Medical Center, Israel

15:25-15:45 **Is liver lipotoxicity due to Triglycerides or to Cholesterol?**
Yehuda Kamari - Sheba Medical Center, Israel

15:45-16:10 **"Angry fat" and Fatty Liver in obesity: who are the mediators?**
Assaf Rudich - Ben-Gurion University, Israel

16:10-16:30 **Non-Alcoholic Fatty Liver Disease and Cardiovascular Risk**
Osama Hussein - Ziv Medical Center, Israel

16:30-17:00 **Coffee Break, Exhibition and Poster Viewing**

17:00-19:30 Session 3: Dyslipidemias and Atherosclerosis: Advances in Diagnosis and Treatment

Chairpersons: Eran Leitersdorf, Nicky Liberman

- 17:00-17:30** **Keynote Lecture** **The saga of PCSK9 and its LDL regulation: from bench to bedside**
Nabil Seidah - Clinical Research Institute of Montreal, Canada
- 17:30-17:55** **Four decades of research in Familial Hypercholesterolemia: Success and failure in drug development**
Eran Leitersdorf - Hadassah Hebrew University, Israel
- 17:55-18:20** **Clinical Determinants and Treatment Gaps in Familial Hypercholesterolemia: Data from a Multi-Ethnic Regional Health Service**
Barak Zafrir - Carmel Medical Center, Israel
- 18:20-18:45** **Peripheral blood progenitor cells in hyperlipidaemia: The effect of hypolipidaemic therapy**
Alexandros Tselepis - University of Ioannina, Greece
- 18:45-19:10** **Lipidomic and proteomic differences of the plasma elimination rate of current lipoprotein apheresis methods**
Gerd Schmitz - University Hospital Regensburg, Germany
- 19:10-19:30** **The free fatty acids-MIR-122-triglycerides metabolic circuitry**
Chofit Chai - Hadassah Hebrew University, Israel
- 20:30** **Dinner**

FRIDAY, 28 October 2016

08:00-08:30 **Registration**

08:30-09:00 **Welcome** Rafael Bitzur, Secretary of Israel Society for Research, Prevention and Treatment of Atherosclerosis

09:00-11:00 Session 4: Vascular Biology of Atherosclerosis

Chairpersons: Dror Harats, Joachim Thiery

09:00-09:30 **The regression of atherosclerosis: new treatments on the horizon**
Edward A. Fisher - NYU School of Medicine, USA

09:30-10:00 **Nuclear control of lipid homeostasis**
Peter Tontonoz - University of California, Los Angeles, USA

10:00-10:30 **The pathogenesis of atherosclerosis: a triumph of simplicity!**
Kevin J. Williams - Temple University School of Medicine, USA

10:30-11:00 **Lp(a) : Coming of Age--At Last**
Joseph Witztum - University of California, San-Diego, USA

11:00-11:30 **Coffee Break, Exhibition and Poster Viewing**

11:30-13:30 Parallel Sessions 5 and 6

Session 5: New Risk Factor and Atherosclerosis Imaging for Recategorization of CV Risk

In cooperation with the Working Group on Epidemiology and Prevention – Israel Heart Association

Chairpersons: Joseph Shemesh, Dov Gavish

- 11:30-12:00** **Keynote Lecture** **Cardiovascular risk assessment: Past, Present, and Future.**
Philip Greenland - Northwestern University, USA
- 12:00-12:25** **Personalized Targets for LDL Cholesterol and for Hypertension in the proper patients: Advancing towards a more personalized era of preventive cardiovascular care: the role of genetic risk score.**
Dov Gavish - Tel Aviv University, Israel
- 12:25-12:50** **Coronary calcium score for restratification of CV risk: The MESA Score.**
Joseph Shemesh - Tel-Aviv University, Israel
- 12:50-13:10** **3-D ultrasound for atherosclerosis imaging: Measuring the total burden of atherosclerosis for disease screening**
Salo Haratz - Sheba Medical Center, Israel
- 13:10-13:30** **Biomarkers, imaging and functional tests in reclassification of CV risk**
Rafael Bitzur - Sheba Medical Center, Israel

Session 6: Nutrition in Health and Disease

In cooperation with ATID-Israeli Dietetic Association

Chairpersons: Ayelet Harari, Amit Ganor

- 11:30-11:50** **Protective role of monounsaturated fatty acids against nutrient overload in pancreatic beta cells**
Shlomo Sasson – Hadassah Hebrew University, Israel
- 11:50-12:10** **Pro-atherogenic effects of linoleic acid-rich soybean oil: studies in mice and cultured macrophages**
Oren Rom - Technion Faculty of Medicine, Israel
- 12:10-12:30** **Maternal dietary fatty acids quality plays a significant role during fetal programming resulting in long – term differential effects as health or disease in the offspring**
Alicia Leikin Frenkel - Tel Aviv University, Israel
- 12:30-12:50** **Myths in cardiovascular nutrition: excerpts from the Israeli Dietary Guidelines**
Yacov Henkin - Ben-Gurion University, Israel
- 12:50-13:10** **Better eating habits for possible prevention of cardiovascular disease - How early can we start?**
Geila Rozen - University of Haifa, Israel
- 13:10-13:30** **Genetics of blood pressure – the case of MTHFR**
Ruth Birk - Ariel University, Israel
- 13:30-14:30** **Lunch Break, Exhibition and Poster Viewing**

14:30-16:30 Session 7: Panel Discussion: Challenging Case Studies in Hyperlipidemia

Moderators: Rafael Bitzur, Dov Gavish

**Hilla Knobler
Avishay Elis
Idit Mery Dubretzki**

20:00

Shabbat Dinner

SATURDAY, 29 October 2016

17:30-19:00 Poster Session

Moderators: Dov Gavish, Elena Izkhakov, Yehuda Kamari. Guest Moderator: Nabil Seidah.

19:00-19:10 Tribute to Prof. Ardon Rubinstein

19:10-19:20 Awards

**19:20-20:00 Keynote Lecture From Rudolf Schoenheimers cholesterol feedback effect to modern atherosclerosis prevention
Joachim Thiery – Universitätsklinikum Leipzig, Germany**

20:30 Dinner