

**17<sup>th</sup> annual meeting of the Israel Society  
for Astrobiology and the Study of the  
Origin of Life (ILSOL), 21 Dec 2003**

Faculty lounge, Faculty of Agriculture, Rehovot



08:50-9:00 Opening remarks – Doron Lancet (WIS)

Morning session – Moderator Gideon Fleminger (TAU)

09:00-09:35 Template and Sequence Directed Loops. From Principles to Computer Simulation to Plans for Synthesis of Feedback Loops. Shlomo Nir (HUJ), Avshalom Elitzur (BIU) and Noam Lahav (HUJ)

09:35-10:10 Conversion of Prebiotic RNA to DNA Led to the Evolution of Retroviruses and HIV-1, Yechiel Becker (HUJ)

10:10-10:45 Extremophilic Microbes on Earth and Beyond, Joseph Sackbach (HUJ)

10:45-11:20 Generation of Homochiral Oligopeptides via “Symmetry Breaking” Processes in Crystalline Arrays, Meir Lahav (WIS)

11:20-11:30 Break

Noon session – Moderator Avshalom Elitzur (BIU)

11:30-11:50 Extending the Concept of Kinetic Stability: Toward a Paradigm for Life, Addy Pross (BGU)

11:50-12:10 The Lipidia Simulation System, Barak Naveh (BGU), Moshe Sipper (BGU), Doron Lancet (WIS) and Barak Shenhav (WIS)

12:10-12:30 The Arrow of Evolution: Absorption of Excess Solar Energy, Malcolm Schrader (HUJ)

12:30-12:50 Fundamental binary code for proteins - all the way back, Edward Trifonov (Haifa)

12:50-14:00 Lunch break

Afternoon session – Moderator Barak Shenhav (WIS)

14:00-14:35 The Definition of Life and the Origin Of Life, Joseph Agassi (TAU) and Abel Shraga Schejter (TAU)

14:35-15:10 Research of the Origin of Life as a Case Study of the Nature of Science, Iris Fry (TAU)

15:10-15:30 Life as Meaning-Making, Yair Neuman (BGU)

15:30-15:50 Reflections of a Geologist on the Origin of Life Following Yuval Neeman's book "Order Out of Randomness", Arie Issar (BGU)

15:50-16:00 Break

Evening Panel – Astrobiology and the Origin of Life: Questions, Assumptions and Speculations.

16:00-16:15 Moderator's opening, Noah Brosch (TAU)

16:15-16:50 An Introduction to Astrobiology, Joseph Gale (HUJ)

16:50-18:00 Panel Discussion: Amos Banin (HUJ), Noam Lahav (HUJ), Adi Pross (BGU), Joseph Gale (HUJ).