
SCIENTIFIC PROGRAM

Sunday, February 12, 2006

13:00-14:00 Registration and Distribution of Meeting Material

Chair: O. Pines, Jerusalem

14:00-14:40 Opening Keynote lecture

M.P. Yaffe, San Diego

MECHANISM OF MITOCHONDRIAL DISTRIBUTION AND
INHERITANCE

Session I – Protein targeting, Import, Folding & degradation

Chair: A. Azem, Tel Aviv

15:00

J. Herrmann, Munich

A DISULFIDE RELAY SYSTEM MEDIATES PROTEIN IMPORT
INTO THE INTERMEMBRANE SPACE OF MITOCHONDRIA

15:30

D. Rapaport, Munich

MEMBRANE INSERTION OF MITOCHONDRIAL OUTER
MEMBRANE PROTEINS

15:50

K. Hell, Munich

THE IMPORT MOTOR OF THE MITOCHONDRIAL TIM23
TRANSLOCASE

16:10

O. Pines, Jerusalem

DUAL TARGETING OF MITOCHONDRIAL PROTEINS

16:30-17:00

Coffee Break

Session I - Continued

- 17:00 **T. Langer, Cologne**
PROTEOLYTIC CONTROL OF MITOCHONDRIAL BIOGENESIS
- 17:30 **J. Orly, Jerusalem**
PROTEOLYSIS OF MITOCHONDRIAL STEROIDOGENIC ACUTE
REGULATORY (StAR) PROTEIN BY LON: EFFECTS OF
PROTEASOME INHIBITORS
- 17:50 **M.H. Glickman, Haifa**
THE PROTEASOME AND MITOCHONDRIAL PROTEIN
DEGRADATION.
- 19:00-20:00 **Poster Session**
- 20:00- **Middle East Hafla**

Monday, February 13, 2006

7:00-8:30 Breakfast

Session II – Mitochondrial morphology, inheritance & nucleic acids

Chair: N. Nelson, Tel Aviv

- 08:45 **R. Martin, Strasbourg**
RNA MITOCHONDRIAL IMPORT: MECHANISMS AND
BIOMEDICAL SIGNIFICANCE
- 09:15 **G. Schuster, Haifa**
RNA POLYADENYLATION IN MITOCHONDRIA; DIFFERENT TAILS
TELL DIFFERENT TALES
- 09:35 **H. Breitbart, Ramat Gan**
MAMMALIAN SPERM TRANSLATE NUCLEAR-ENCODED
PROTEINS BY MITOCHONDRIAL-TYPES RIBOSOMES
- 09:55 **S. Altuvia, Jerusalem**
SMALL REGULATORY RNA IN MITOCHONDRIA?
- 10:15-10:45 **Coffee Break**

Session II – Continued

- 10:45 **M. Rojo, Paris**
SEPARATE FUSION OF OUTER AND INNER MITOCHONDRIAL
MEMBRANES IN LIVING HUMAN CELLS
- 11:15 **J. Shlomai, Jerusalem**
REDOX SIGNALING REGULATES THE INITIATION OF
MITOCHONDRIAL (KINETOPLAST) DNA REPLICATION IN
TRYPANOSOMATIDS
- 11:35 **D. Mishmar, Beer Sheba**
MITOCHONDRIAL GENETIC VARIABILITY AND COMPLEX
DISORDERS: TYPE 2 DIABETES MELLITUS AS A MODEL
- 12:30-14:00 **Light lunch in the poster area.**
- 12:30-14:45 **Poster session**

Session III – Iron and Stress

Chair: Y. Cabancik, Jerusalem

- 14:45 **R. Lill, Marburg**
IRON-SULFUR PROTEIN BIOGENESIS IN EUKARYOTES
- 15:15 **R. Kohen, Jerusalem**
USING ANTIOXIDANTS TO PREVENT OXIDATIVE RELATED
DISEASES: DOES IT MAKE SENSE?
- 15:35 **O. Tirosh, Rehovot**
MITOCHONDRIAL ROS AND REGULATION OF CELL DEATH
- 15:55-16:25 **Coffee Break**
- 16:25 **M.B. Youdim, Haifa**
MITOCHONDRIA PERMEABILITY TRANSITION PORE AS THE
SITE OF NOVEL NEUROPROTECTIVE ANTIPARKINSON AND
CARDIOPROTECTIVE DRUGS

Session III - Continued

- 16:45 **V. Shoshan-Barmatz, Beer Sheba**
THE VOLTAGE-DEPENDENT ANION CHANNEL CONTROLS LIFE
AND DEATH OF THE CELL
- 17:05 **A. Gross, Rehovot**
THE ROLE OF MITOCHONDRIAL CARRIER HOMOLOG 2 IN CELL
SURVIVAL AND APOPTOSIS
- 17:30-19:30 **Ein-Gedi Hot Springs**
- 20:00-21:00 **Dinner**
- 21:30- **Tour of the Massada Havar**

Tuesday, February 14, 2006

7:00-8:30 Breakfast

Session IV – Mitochondrial disorders in human

Chair: H. Jacobs, Tempere

- 09:00 **A. Rotig, Paris**
MUTATION OF GENES INVOLVED IN CoQ₁₀ BIOSYNTHESIS
DEFECT AND MITOCHONDRIAL DISORDER
- 09:30 **O. Elpeleg, Jerusalem**
DEFECTS IN REPLICATION AND TRANSLATION OF mtDNA IN
HUMAN
- 09:50 **M. Zeviani, Milano**
DISEASE GENES AFFECTING mtDNA HOMEOSTASIS
- 10:20 **A. Saada-Reisch, Jerusalem**
DEOXYRIBONUCLEOTIDE METABOLISM IN MITOCHONDRIAL
DISEASES
- 10:40-11:10 **Coffee Break**

Session IV – Continued

- 11:10 **E.A. Shoubridge, Montreal**
DEFECTS IN THE MITOCHONDRIAL RESPIRATORY CHAIN AND
THE MYSTERY OF TISSUE SPECIFICITY
- 11:40 **D. Ben-Shachar, Israel**
MITOCHONDRIA COMPLEX I DYSFUNCTION IN
SCHIZOPHRENIA
- 12:00 **H. Lorberboum-Galski, Jerusalem**
ENZYME REPLACEMENT THERAPY FOR MITOCHONDRIAL DISEASES -
“LIPOAMIDE DEHYDROGENASE DEFICIENCY”
- 12:20 **H. Jacobs, Tempere**
MOLECULAR BY-PASS SURGERY FOR MITOCHONDRIAL
DISORDERS
- 12:40-14:15 **Lunch**

Chair: O. Elpeleg, Jerusalem
- 14:15-15:00 **Closing Keynote Lecture**
E. Schon, New York
THERAPY, PRESENT AND FUTURE