
ISF Workshop on
MITOCHONDRIA: FUNCTION AND DYSFUNCTION
February 13-15, 2008, Kibbutz Ein Gedi, Dead Sea, Israel

SCIENTIFIC PROGRAM

Wednesday, February 13, 2008

12:00-13:00 REGISTRATION AND DISTRIBUTION OF MEETING MATERIAL

Opening Keynote lecture

Chair: O. Pines, Jerusalem

13:00-13:40 Walter Neupert, Munich
BIOGENESIS OF MITOCHONDRIA

Session I – Protein targeting and fate

Chair: J. Orly, Jerusalem

14:00- 14:25 Doron Rapaport, Tuebingen
BIOGENESIS OF MITOCHONDRIAL OUTER MEMBRANE COMPLEXES.

14:25- 14:50 Abdussalam Azem, Tel Aviv
CHAPERONES AND THE DYNAMICS OF THE MITOCHONDRIAL IMPORT MOTOR.

14:50- 15:15 Dejana Mokranjac, Munich
STRUCTURE AND FUNCTION OF TIM14 AND TIM16.

15:15- 15:40 Ophry Pines, Jerusalem
DUAL AND ECLIPSED DISTRIBUTION OF MITOCHONDRIAL PROTEINS.

15:40- 16:20 LIGHT LUNCH

16:20- 16:45 Johannes Herrmann, Kaiserslautern
THE MITOCHONDRIAL TRANSLATION MACHINERY: FROM PROTEIN SYNTHESIS TO MEMBRANE INTEGRATION.

- 16:45- 17:00 **Nils Wiedemann, Freiburg**
MECHANISM OF PROTEIN SORTING INTO THE OUTER
MITOCHONDRIAL MEMBRANE.
- 17:00- 17:25 **Thomas Langer, Cologne**
PROTEOLYTIC CONTROL OF MITOCHONDRIAL BIOGENESIS.
- 17:25- 17:50 **Elzbieta Glaser, Stockholm**
A NOVEL ORGANELLAR PEPTIDASOME, PREP: A JOURNEY FROM
ARABIDOPSIS TO ALZHEIMER DISEASE.
- 17:50- 19:30 **POSTER SESSION**
- 20:00 **MIDDLE EASTERN HAFLA**

Thursday, February 14, 2006

7:00-8:30 **BREAKFAST**

Session II – Stress and cell death

Chair: N. Nelson, Tel Aviv

- 08:45- 09:10 **Roland Lill, Marburg**
THE ROLE OF MITOCHONDRIA IN THE MATURATION OF
CYTOSOLIC IRON-SULFUR PROTEINS.
- 09:10- 09:25 **Patricia Jennings, San Diego**
MITONEET IS A UNIQUELY FOLDED 2FE-2S OUTER
MITOCHONDRIAL MEMBRANE PROTEIN.
- 09:25- 09:50 **Ioav Cabantchik, Jerusalem**
WHY ARE MITOCHONDRIA THE TARGETS OF SYSTEMIC AND
REGIONAL IRON ACCUMULATION?
- 09:50- 10:20 **COFFEE BREAK**
- 10:20- 10:45 **Varda Shoshan-Barmatz, Beer Sheba**
THE HUMAN MITOCHONDRIAL VDAC AND APOPTOSIS.
- 10:45- 11:10 **Atan Gross, Rehovot**
NEW INSIGHTS INTO THE ROLE AND FUNCTION OF
MITOCHONDRIAL MTCH2.

- 11:10- 11:35 **Adi Kimchi, Rehovot**
A SHORT MITOCHONDRIAL FORM OF P19ARF INDUCES
AUTOPHAGY AND CELL DEATH.
- 11:35- 12:00 **Haim Breitbart, Ramat Gan**
SPERM TRANSLATE NUCLEAR-ENCODED PROTEINS BY
MITOCHONDRIAL-TYPE RIBOSOMES.
- 12:00- 14:00 **POSTER SESSION AND LIGHT LUNCH IN THE POSTER AREA**

Session III – Disorders in human

Chair: A. Munnich, Paris

- 14:00- 14:25 **Luigi Palmieri, Bari**
MITOCHONDRIAL TRANSPORTERS.
- 14:25- 14:50 **Haya Lorberboum-Galski, Jerusalem**
REPLACEMENT THERAPY: TARGETING PROTEINS TO THE
MITOCHONDRIA.
- 14:50- 15:15 **Orly Elpeleg, Jerusalem**
NOVEL GENES INVOLVED IN RESPIRATORY CHAIN DEFECTS.
- 15:15- 15:40 **Ann Saada-Reisch, Jerusalem**
THE HUMAN MITOCHONDRIAL RIBOSOME.
- 15:40-16:10 **COFFEE BREAK**
- 16:10-16:35 **Massimo Zeviani, Milano**
DISORDERS OF mtDNA MAINTENANCE AND INTEGRITY.
- 16:35- 17:00 **Agnes Rotig, Paris**
NOVEL MECHANISMS IN MITOCHONDRIAL DNA REPLICATION.
- 17:00- 17:25 **Leo G. Nijtmans, Nijmegen**
HUMAN COMPLEX I ASSEMBLY
- 17:25- 17:50 **Carla Koehler, Los Angeles**
TAFAZZIN AND ITS FUNCTION IN BARTH SYNDROME.

DINNER AND EIN GEDI SPRINGS

Friday, February 15, 2008

Closing keynote lecture

Chair: A. Azem, Tel-Aviv

09:00-09:30 **Gottfried Schatz, Basel**
A LIFE IN MITOCHONDRIAL RESEARCH - WHAT IT MEANS IN
RETROSPECT.

Session IV – Morphology, inheritance and nucleic acids

Chair: M. Glickman, Haifa

09:30-09:55 **Rob Jensen, Baltimore**
FUSION AND FISSION.

09:55-10:20 **Joseph Shlomai, Jerusalem**
REPLICATION ORIGINS OF THE MITOCHONDRIAL GENOME.

10:20-10:45 **Chris Meisinger, Freiburg**
THE MITOCHONDRIAL PROTEOME: NOVEL INSIGHTS INTO
MITOCHONDRIAL FUNCTIONS.

10:45-11:15 **COFFEE BREAK**

11:15-11:40 **Nils-Goran Larsson, Stockholm**
mtDNA MUTATIONS AND AGEING.

11:40-12:05 **Gadi Schuster, Haifa**
PolyA MODIFICATION AND DEGRADATION OF mRNA.

12:05-12:30 **Karl Skorecki, Haifa**
THE DRUZE mtDNA - A POPULATION GENETIC SNAPSHOT OF
THE NEAR EAST IN ANTIQUITY

FAREWELL WORDS **Orly Elpeleg, Jerusalem**

13:00 **DEPARTURE**