

# From Bench to Bedside – Bridging the Translational Gap in Mitochondrial Diseases

UK-Israeli workshop, 12-13<sup>th</sup> of April, 2016

Mitochondrial Hub IMRIC, Hebrew University of Jerusalem and Hadassah Medical Center  
Botnar Auditorium, Ein-Kerem Campus, Jerusalem

**Tues.12 April** **YOUNG RESEARCHER'S MEETING** Soren Seminar Room, Botnar Lecture Facility

09.00-09.20	Getting together
09.20-09.30	<b>Welcome</b> Ann Saada (Reisch) HMC/HUJ, Patrick Yu Wai Man NCL
<b>Session I</b>	<b>Amijaj Saragowi</b> HUJI- Mitochondrial voltage discharge license naïve CD8+ lymphocytes
09.30-10.50	<b>Amad Mreizat</b> HUJI- Heat adaptation and cross tolerance <b>Michael Leshets</b> HUJI- The role of fumarase in the yeast DNA damage response <b>Eyal Kastner</b> HUJI- Isolated mitochondria incorporation into cells, characteristics and therapeutic potential
10.50-11.10	Coffee and Cookies
<b>Session II</b>	<b>Oded Bergaman</b> Technion- Complex I impairments in schizophrenia; a complex story
11.10-12.50	<b>Gilad Barshad</b> BGU- Network of protein-protein interactions between human mitochondrial complex I subunits <b>Devorah Soiferman</b> HUJI- HMC/HUJI- Investigating the effect of CoenzymeQ analogues in LHON fibroblasts <b>Fernanda Cerqueira</b> BGU- Screening for compounds stimulating mitochondrial turnover using Mitotimer
12.30-13.00	Sandwich Lunch

**Wed.13 April** **PI MEETING** Botnar small Auditorium

08.30-09.15	Getting together
09.15-09.30	<b>Welcome and Opening Remarks</b> Ann Saada (Reisch) HMC/HUJ, Patrick Yu Wai Man NCL <b>Joel Yisraeli</b> international academic affairs, Med. Sch. HUJI. <b>Eyal Mishani</b> Head of R&D HMC.
<b>Session I</b>	<b>Mitochondrial Dynamics and Quality Control</b> , Chair: Bob Lightowlers NCL
09.30-11.00	<b>Ophry Pines</b> HUJI- "Not only at home in the organelle"; Dual targeting of mitochondrial proteins <b>Abdussalam Azem</b> TAU- Hsp60 chaperonin, the master mitochondrial protein folding machine <b>Orian Shirhai</b> BU/BGU- Mitochondrial Dynamics in the regulation of bioenergetics efficiency and fuel utilization
11.00-11.30	Coffee break
<b>Session II</b>	<b>Molecular Pathogenesis of Mitochondrial Respiratory Chain Disorders</b> , Chair: Rita Horvath NCL
11.30-13.00	<b>Simon Benita</b> HUJI- Surface activated nanoparticles for mitochondria targeting <b>Zofia Chrzanoska-Lightowlers</b> NCL- Mitochondrial profiling – what translational secrets does it reveal ? <b>Michael Duchon</b> UCL- Calcium uptake and impact of mutations of MICU1
13.00-14.00	Lunch
<b>Session III</b>	<b>New Mitochondrial Genes and expanding Disease Phenotypes</b> , Chair: Ann Saada (Reisch) HMC/HUJ
14.00-15.30	<b>Ronen Spiegel</b> Haemek MC/Technion- Disease phenotypes of childhood mitochondrial encephalomyopathies <b>Rita Horvath</b> NCL- Mitochondrial tRNA synthetases: can we learn about tissue specificity in mitochondrial disease? <b>Patrick Yu Wai Man</b> NCL- Mitochondrial eye diseases - new insights and therapeutic strategies
15.30-16.00	Coffee break
<b>Session IV</b>	<b>Mitochondrial medicine – myth or reality?</b> Chair: Patrick Yu Wai Man NCL
16.00-17.30	<b>Ann Saada (Reisch)</b> HMC/HUJI- Evaluation of personalized treatment in patient's fibroblasts <b>Bob Lightowlers</b> NCL- Revisiting the antigenomic approach to treating mitochondrial disease <b>Haya Lorberboum-Galski</b> HUJI- Protein replacement therapy for mitochondrial diseases
17.30-17.45	<b>Closing remarks</b> Patrick Yu Wai Man NCL, Ann Saada (Reisch) HMC/HUJ,

**Admission is free but please PRE-REGISTER** for 1 and/or 2 days until 5April [anns@ekmd.huji.ac.il](mailto:anns@ekmd.huji.ac.il)

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