



ד' חנוכה, December 1, 2013
08:30-9:15 *Gathering and Registration*

09:15-09:30 Greetings- **Jacob Vaya**

Session I – Redox and Metabolism

Session chair: Yoav Sharoni, BGU

- 9:30-9:50 **Oren Tirosh.** Protective role of nitric oxide in cholesterol and LPS-induced liver damage. **HUJI, Rehovot.**
- 9:50-10:10 **Reznick Abraham.** Identification of possible cigarette smoke components responsible for muscle protein breakdown- The effect of the unsaturated aldehyde acrolein. **Technion.**
- 10:10-10:25 **Shani Ben-Lulu.** Mechanism-based kinetic trapping reveals a widespread role of thioredoxin in regulating protein S-nitrosylation. **Technion.**
- 10:25-10:40 **Regina michelis.** The effect of albumin oxidation on the oncotic pressure in chronic kidney disease. **WGH, Nahariya and BIU.**
- 10:40-10:55 **Niroz Abu-saleh.** Involvement of nitric oxide and endothelin systems in the pathogenesis of endothelial dysfunction in diabetic nephropathy. **Technion.**

11:00-11:30 *Coffee break*

Session II – Redox –Back to Basic Science

Session chair: Assaf Vardi, WIS

- 11:30-11:50 **John Finberg.** Monoamine oxidase and toxicity to dopaminergic neurons; good or bad? **Technion**
- 11:50-12:10 **Kaplan Aaron.** What did we learn from algal research on vitamin C supplementation? **HUJI.**
- 12:10-12:25 **Yori Leshem.** Sub-organelle ROS: possible role in chloroplasts during stomata closure. **MIGAL**
- 12:25-12:40 **Shiri Graff van Creveld.** Sensing environmental stresses and cell fate regulation via redox signaling in marine diatoms. **WIS**
- 12:40-12:55 **Ilya Pinchuk.** Analysis of the kinetics of Transition Metal-induced lipid peroxidation in terms of rate constants on the basis of characteristic time-points. **TAU**

13:00-14:15 *Lunch and poster session*

(14:00-14:15 Business meeting)

Session III – Redox in Health and Aging

Session chair: Andrea Szuchman-Sapir, Migal & Tel Hai

- 14:15-14:35 **Haim Bitterman.** Therapeutic effects of hyperoxia. **Clalit.**

More information at: www.isofr.org.il

Vaya Yaacov : Vaya@migal.org.il ; Szuchman-Sapir Andrea: Andreas@migal.org.il

The 29th Annual Meeting of the Israeli Society for Oxygen and Free Radicals Research

ד' חנוכה , December 1, 2013

- 14:35-14:55 **Shai Efrati**. Hyperbaric oxygen and neuroplasticity in post stroke and traumatic brain injury.
- 14:55-15:15 **Shlomo Sasson**. The role of lipoxygenases in inducing radical stress and lipid peroxidation in diabetes. **HUJI**
- 15:15-15:35 **Ron Cohen**-Can skin reflects ROS mediated diseases?. **HUJI**

15:35- 15:50 *Coffee break*

- 15:50-16:40 **Panel of speakers, Open discussion- Chairman- Michael Aviram, Technion**

More information at: www.isofrr.org.il

Vaya Yaacov : Vaya@migal.org.il ; Szuchman-Sapir Andrea: Andreas@migal.org.il