



The Hebrew University
of Jerusalem

MDC MAX DELBRÜCK CENTER
FOR MOLECULAR MEDICINE
BERLIN-BUCH
MEMBER OF THE HEIMHOLTZ ASSOCIATION



Technion
Israel Institute
of Technology

Frontiers in Cell Signaling and Gene Regulation: From Single Cells to Networks

MDC, Berlin | Technion, Haifa | Hebrew University, Jerusalem

January 26, 2012

Biomedical Engineering Auditorium 201

9:15am – 12:45pm Morning Session

- Chair: **Amir Orian**, Rappaport Faculty of Medicine, Technion
- 8:30-9:15 Registration
- 9:15- 9:30 Opening remarks:
Amit Meller, Biomedical Engineering, Technion
Peretz Lavie, President, Technion
Claus Schiederit, MDC, Berlin
- 9:30- 10:05 **Walter Birchmeier**, MDC, Berlin
Wnt and Met in mammary gland cancer stem cells
- 10:05-10:40 **Clemens Schmitt**, MDC, Berlin
Metabolic Targeting of Senescent Cancer Cells
- 10:40-11:15 **Yaakov Nachmias**, Center for Bioengineering, Hebrew University, Jerusalem

11:15 – 11:30 Coffee break

- 11:30-12:05 **Claus Scheidereit**, MDC, Berlin
Inside-out signaling in the DDR:Nf-kB and genotoxic stress
- 12:05-12:40 **Aaron Ciechanover**, Rappaport Faculty of Medicine, Technion
Non-canonical proteasomal signaling

12:45 – 2:15 Lunch

2:30 – 5:35 Afternoon Session

- Chair: **Yaakov Nachmias**, Hebrew University, Jerusalem
- 2:30-2:55 **Oliver Rocks**, MDC, Berlin
Spatio-temporal control of Rho GTPase signaling
- 2:55-3:10 **Orian's lab**, Technion
- 3:10-3:25 **Friedman's lab**, Hebrew University, Jerusalem
- 3:25-3:40 **Glickman's lab**, Technion
- 3:40-3:55 **Yael Mandel - Gutfreund's Lab**, Technion

4:00 – 4:20 Coffee break

- 4:20-4:45 **Alexander Lower**, MDC, Berlin
Always on guard: p53 dynamics in single cells
- 4:45-5:10 **Nathalie Balaban**, Hebrew University, Jerusalem
- 5:10-5:35 **Assaf Zemel**, Hebrew University, Jerusalem
Rigidity sensing of biological cells and control of stem cell differentiation
- 5:35- 6:30 **PI's round-table session**

6:30 – 8 pm Dinner

8:00 – 9:00 Evening special lecture

Ultrasound Surgery - Beyond Biophysics

Dr. Yoav Medan, Visiting Associate Professor at Biomedical Engineering and TASP

Introduction: **Amit Meller**



This event is supported by the Rappaport Institute

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