

7th Annual Conference of the Israeli Society of Gene & cell Therapy (ISGCT)

Sheba Medical Center at Tel-Hashomer, Ramat-Gan, Israel

Wednesday, May 5th 2010



Scientific Program



8:00 – 8:50	Reception and Registration
8:50 – 9:00	OPENING AND GREETINGS: Sarah Ferber - Conference Chairman Zeev Rotstein- Director, Sheba Medical Center, Ramat-Gan, Israel
SESSION 1	REPROGRAMMING OF ADULT CELLS INTO COMMITTED LINEAGES Chairpersons – Michael Walker, Sarah Ferber
9:00 – 9:25	Reprogramming liver cells into insulin-producing cells by pancreatic transcription factors <u>Li-Jun Yang</u> , <i>University of Florida, Gainesville, FL, USA</i>
9:25 – 9:50	Reprogramming into pancreatic beta cells based on developmental cues, converting alpha to beta cells <u>Patrick Collombat</u> , <i>INSERM, Nice, France</i>
9:50 – 10:10	Ex-vivo expansion of adult human pancreatic islet beta cells <u>Shimon Efrat</u> , <i>Tel-Aviv University, Tel-Aviv, Israel</i>
10:10 – 10:25	Hierarchical sequential administration of pancreatic transcription factors that leads to pancreas organogenesis improves liver to pancreas reprogramming process <u>Dana Berneman</u> , <i>Sheba Medical Center, Ramat-Gan, Israel and Tel-Aviv University, Tel Aviv, Israel</i>
10:25 – 10:45	COFFEE BREAK
10:45 – 11:10	Gene transfer to induce cellular reprogramming for the treatment of diabetes <u>Mark Kay</u> , <i>Stanford University, CA, USA</i>
11:10 – 11:35	AAV vectors for gene therapy of the brain in lysosomal storage diseases <u>Jean Michel Heard</u> , <i>Institut Pasteur, INSERM, Paris, France</i>
11:35 – 11:55	Delineating the molecular mechanisms regulating chromatin protein dynamics in embryonic stem cells <u>Eran Meshorer</u> , <i>The Hebrew University, Jerusalem, Israel</i>
11:55 - 12:10	Homing endonucleases for gene therapy <u>Adi Barzel</u> , <i>Tel-Aviv University, Tel-Aviv, Israel</i>
12:10 - 13:10	LUNCH BREAK and POSTER SESSION
SESSION 2	TISSUE AND CELL THERAPY Chairpersons – Moshe Flugelman, Shulamit Levenberg
13:10 – 13:30	hESC – from bench to patient <u>Benjamin Reubinoff</u> , <i>Hadassah Hebrew University Hospital, Jerusalem, Israel</i>
13:30 – 13:50	Differentiated mesenchymal stem cells rescue sciatic nerve injury in rats <u>Daniel Offen</u> , <i>Tel-Aviv University, Tel-Aviv, Israel</i> <i>and Rabin Medical Center, Petach-Tikva, Israel</i>
13:50 – 14:10	Targeting CEACAM1 in adoptive TIL transfer in melanoma <u>Gal Merkel</u> , <i>Sheba Medical Center, Ramat-Gan, Israel and Tel-Aviv University, Tel-Aviv, Israel</i>

14:10 – 14:30	Engineering cell platforms for cardiovascular regeneration <u>Marcelle Machluf</u> , <i>Technion-IIT, Haifa, Israel</i>
14:30 - 14:45	Efficient transgene expression from naked DNA delivered into an arterio-venous fistula model for kidney dialysis <u>Anat Globerman</u> , <i>Hadassah University Hospital, Jerusalem, Israel</i>
14:45 - 15:05	COFFEE BREAK
SESSION 3	STEM CELLS Chairpersons: Smadar Cohen, Benjamin Dekel
15:05 – 15:25	Identification and prospective isolation of novel human renal stem/progenitor populations from normal and cancerous kidney tissue <u>Benjamin Dekel</u> , <i>Sheba Medical Center, Ramat-Gan, Israel and Tel-Aviv University, Tel-Aviv, Israel</i>
15:25 – 15:40	An NCAM1⁺ cell enriched for aldehyde dehydrogenase activity and possessing renal stem cell characteristics is the Wilms' tumor initiating cell <u>Naomi Pode-Shakked</u> , <i>Sheba Medical Center, Ramat-Gan, Israel and Tel-Aviv University, Tel-Aviv, Israel</i>
15:40 – 16:00	Dynamic interactions between the nervous and immune systems with the microenvironment, regulate normal and leukemic human stem cells <u>Tsvee Lapidot</u> , <i>Weizmann Institute of Science, Rehovot, Israel</i>
16:00 – 16:20	Clinical and future application of autologous multipotential mesenchymal stromal stem cells for the treatment of neurological diseases <u>Shimon Slavin</u> , <i>International Center for Cell Therapy & Cancer Immunotherapy (CTCI), Tel-Aviv, Israel</i>