

**Tuesday, April 5<sup>th</sup>, 2011**

**12:30-16:00 Pre-Conference Hand-on Courses** (only available by early signup + participation fee)

1. Basic course for thyroid ultrasound: Introduction to US, normal thyroid anatomy, thyroid pathology, US guided FNA.
2. Imaging of the pituitary: CT and MRI. Introduction, normal anatomy, pathology and analysis of clinical cases

**14:00- con. Registration**

14:30-17:00 Guided tour of Nazareth

17:00-18:00 Nazareth Style Opening Receptions

18:00-18:15 Greetings: **Joseph Orly**

**18:15-19:00 Plenary Lecture**

**Insulin, Type 2 Diabetes and Cancer**

**Derek LeRoith**, Legacy Heritage Clinical Research Institute at Rambam Health Care Campus, Haifa, Israel

Chairs: **Haim Werner, Edi Karnieli**

**19:00-21:00 Yitzhak Koch Symposium: Celebrating 50 Years of Science**

Chairs: **Rina Meidan, Shai Rahimipour**

19:00-19:15 Greetings

19:20 **Fate decisions during neural crest ontogeny**

**Chaya Kalcheim**, Department of Medical Neurobiology, Hebrew University of Jerusalem and Hadassah Medical School

19:40 **A genetic approach for intra-cerebro-ventricular delivery**

**Alon Chen**, Department of Neurobiology, Weizmann Institute of Science

20:00 **Neurodegeneration and neuroprotection in an animal model of multiple sclerosis**

**Stella Elkabes**, Department of Neurological Surgery, New Jersey Medical School Newark, NJ 07103

20:20 **Interactions between cancer genes and the IGF-I signaling pathway**

**Haim Werner**, Department of Human Molecular Genetics and Biochemistry, Sackler School of Medicine, Tel Aviv University

20:40 **Multicellular angiogenic control mechanisms: the corpus luteum as a model**

**Rina Meidan**, Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food, and Environment, The Hebrew University of Jerusalem

19:20-20:50 **Controversies in Clinical Endocrinology**  
Chairs: Rivka Dresner-Pollak, Joseph Foldes

19:20-20:50 **Update on "hot" issues in osteoporosis - Atypical fractures and ONJ**

**Atypical Fractures- from the Endocrinologist perspective -**

**Dr. Liana Tripto Shkolnik,**

Endocrinology and Diabetes Unit, Hillel Yaffe Medical Center

**Atypical Fractures - from the orthopedic surgeon perspective -**

**Dr. Amal Khoury,**

Department of Orthopedics Hadassah-Hebrew University Medical Center

**Osteonecrosis of the Jaw- from the oral surgeon perspective -**

**Dr. Eran Regev,**

Department of Oral Surgery Hadassah- Hebrew University Medical Center

**Wednesday, April 6<sup>th</sup>, 2011**

8:30 - 10:15 **Oral Presentations- three parallel sessions**

8:30 - 10:15 **Hall A – Oral Presentation**

**Session 1: Thyroid and Adrenal**

Chairs: Zaki Kraiem, Dan Nabriski

- 8:30 **Child with extended deletion of monocarboxylate transporter 8 (MCT8): eight-year follow-up and a trial of high-dose Liothyronine**  
**Amnon Zung,** Edith C H Friesema
- 8:45 **Newborn screening for congenital adrenal hyperplasia using cutoff based on gestation age and birth weight**  
**Joseph Sack,** Shlomo Almashanu
- 9:00 **Final height of subjects with non classical 21 hydroxylase deficiency by age at initiation of glucocorticoids therapy and Genotype**  
**Ori Eyal,** Shlomit Shalitin, Yardena Tenenbaum-Rakover, Naomi Weintrob
- 9:15 **Construction of gene therapy viral vectors targeting thyroid carcinoma cells**  
**Meital Grafi-Cohen,** Gary Weisinger, Rona Limor, Ellena Izkhakov, Zaki Kraiem, Naftali Stern
- 9:30 **RET Proto-oncogene Mutations in Israel-20 years experience**  
**Orit Twito,** Hava Peretz, Sali Usher, Elisheva Grynberg, Tova Morad, Yelena Goldin, Liana Tripto-Shkolnik, Pinchas Klein, Anat Jaffe
- 9:45 **Hemithyroidectomy for papillary thyroid carcinoma – When less is**

**sometimes more**

**Dania Hirsch**, Sigal Levy, Tsvetov Gloria, Weinstein Ruth, Lifshitz Avner, Grozinsky-Glasberg Simona, Shimon Ilan, Benbassat Carlos

10:00 **Parathyroid hormone selective venous sampling for preoperative evaluation of primary hyperparathyroidism**

**Michael Krausz**, Michal Mekel, Fatma Mahamed, Amos Ofer, Sofia Ish-Shalom

8:30 - 10:15 **Hall B – Oral Presentation**

**Session 2: Bone Metabolism**

Chairs: **Pnina Rotman-Pikielny**, **Shraga Shany**

8:30 **Atypical femoral fractures – single center data**

**Liana Tripto Shkolnik**, Alicia Nachtigal, Anat Jaffe

8:45 **Inhibition of osteoclast differentiation by carotenoid derivatives**

**Shlomit Odes**, Marina Khanin, Karin Linnewiel-Hermoni, Joseph Levy, Yoav Sharoni

9:00 **Post fracture osteoporosis treatment program, is it efficient?**

**Elena Segal**, Marina Nodelman, Doron Norman, Michael Soudri, Lior Koren, E. Abu Johar, Sophia Ish-Shalom

9:15 **Vitamin D increases the expression of fak in keratinocytes leading to accelerated migration**

**Roni Adiri**, Amiram Ravid, Ruth Koren, Ilan Tsarfati

9:30 **Bone Gla Protein induces cartilage and vascular calcification via HIF1 $\alpha$ -dependent glucose metabolism**

**Efrat Monsonego-Ornan**, Anna Idelevich, Yoach Rais

9:45 **Vitamin D levels in pediatric patients with malignancy**

**Dalit Modan**, Orit Pinhas-Hamiel, Vered Temam, Dafna Munitz-Shenkar, Amos Toren

10:00 **Nutrition-induced serum factor effects mirnas levels in the growth plate**

**Rakefet Pando**, Biana Shtauf, Meytal Bar-Meisels, Moshe Phillip, Galia Gat-Yablonski

8:30 - 10:15 **Hall C – Oral Presentation**

**Session 3: Neuroendocrinology**

Chairs: **Zvi Naor**, **Simona Grozinsky-Glasberg**

8:30 **The global mTOR inhibitor Torin1 is more effective than the mTORC1 inhibitor, everolimus, alone or in combination with HDACi in suppressing neuroendocrine tumors cell proliferation**

**Simona Grozinsky-Glasberg**, Hadara Rubinfeld, Ortal Cohen, Franklin Greif, Adi Kammer, Ashley B. Grossman, Ilan Shimon

8:45 **Activation and role of PI3K and PI4K in MAPK activation during GnRH actions**

**Tali Bar-Lev**, Zvi Naor

- 9:00 **mTOR Inhibitor TORIN1 induces antiproliferative effects in MtT/E cell line and human pituitary tumors**  
**Ortal Cohen**, Hadara Rubinfeld, Moshe Hadani, Ilan Shimon
- 9:15 **CRF receptor type 2 activation in the VMH is required for energy balance regulation following metabolic challenges**  
**Yael Kuperman**, Orna Issler, Oren Forkosh, Dmitriy Getselter, Adi Neufeld-Cohen, Shosh Gil, Elad Schneidman, Alon Chen
- 9:30 **MiRNA ablation in POMC neurons leads to severe obesity and glucocorticoid deficiency**  
**Yona Greenman**, Yael Kuperman, Inbal Navon, Yonat Keshet, Sharon Rodrig-Haramati, Shosh Gil, Naftali Stern, Alon Chen
- 9:45 **GnRH-stimulation of gonadotropin  $\alpha$  subunit (GSU) gene expression via calcineurin involves activation of a NFAT transcription factor and the TORC**  
**Philippa Melamed**, Lilach Pnueli, Sihui Wang, Min Luo, Zvi Naor
- 10:00 **ACTH-Secreting pituitary macroadenomas: Outcomes of multimodal therapy**  
**Rosane Ness-Abramof**, Yona Greenman, Yoel Toledano, Ilan Shimon

#### 10:15- 10:45 **Exhibition & Refreshments**

- 10:45- 11:45 **Plenary lecture**  
**Integration of homeostatic and hedonic signals in control of energy homeostasis**  
**Jens Bruening**, University of Cologne, Koeln, Germany  
Chairs: **Alon Chen, Ilan Shimon**

#### 11:55-13:00 **Meet the Professor- two parallel sessions**

**Session 1: Endocrine hypertension: cases discussion**  
**Naftali Stern**, Souraski Medical Center

**Session 2: Management of Patients with Adrenocortical Carcinoma**  
**Felix Beuschlein**, Univ of Munich, Germany:

- 11:55-12:55 **Symposium 1: Introduction to New Technologies**  
Chairs: **Yitzhak Koch, Phillipa Melamed**

- 11:55 **The importance of microRNA biology to your research: What, Why and How**  
**Orna Issler**, Department of Neurobiology, Weizmann Institute of Science

12:15 **Introduction to optogenetics: the future is already here**  
Sharon Haramati, Department of Neurobiology, Weizmann Institute of Science.

12:35 **Gutless adenoassociated virus family: a new tool and potential treatment paradigm for three endocrine systems**  
Gary Weisinger, Departments of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center and the Sackler Faculty of Medicine

**13:00- 14:00 Lunch**

**14:00-16:00 Parallel Symposia**

**14:00-16:00 Symposium 2- Evaluation of Endocrine Laboratory Tests**

Chairs: Emily Bosin, Abd Al-Roof Higazi

14:00 **HBA1C as a diagnostic parameter for Diabetes Mellitus –Israel 2011**

Micha Rapaport, Assaf Harofeh Medical Center

14:30 **Steroid Metabolomics**

Ze'ev Hochberg, Pediatric Endocrinology Unit, Rambam Health Care Campus

15:00 **Assessment of cortisol secretion in various body fluids: pitfalls and technical aspects**

Rona Limor, Institute of Endocrinology, Metabolism and Hypertension Tel Aviv Sourasky Medical Center

15:30 **Hormone Assays: Are They Reliable?**

Varda Nadler, Maccabi Healthcare Services, Central Laboratory, Rehovot

**14:00-16:00 Symposium 3- The Involvement of Inflammation in Obesity**

Chairs: Assaf Rudich, Hannah Kanety

14:00 **Inflammatory and anti-inflammatory pathways in insulin resistance induction in obesity**

Hannah Kanety, Director, Endocrine Laboratory, Sheba Medical Center Tel-Hashomer, Ramat Gan, Israel

14:30 **Adipose tissue foam cells: roles in remodeling, lipid metabolism and insulin Resistance**

Hagit Shapiro, Joslin Diabetes Center, Harvard Medical School, Boston, MA, USA and Clinical Biochemistry, Faculty of Health Sciences Ben-Gurion University, Israel

15:00 **Hypothalamic neuronal toll-like receptor 2 protects against obesity**

Ravid Shechter and Michal Schwartz, Department of Neurobiology, Weizmann Institute of Science, Rehovot, Israel

15:30 **CNS inflammation and the control of glucose metabolism**

Jens Bruening, University of Cologne, Koeln, Germany

**16:00- 16:30 Exhibition & Refreshments**

16:30- 17:30 **Plenary Lecture 2**  
**Controversies in Clinical Endocrinology: Graves Ophthalmopathy**  
**Claudio Marcocci**, Department of Endocrinology and Metabolism University of  
Pisa, Italy  
Chairs: **Gabi Dickstein, Yoav Vardizer**

17:30- 20:00 **Guided Poster Presentations** [around the pool]  
Group leaders: **Group A- Anat Tsur and Ben Glaser, Group B- Jonathan  
Arbelle and Zvi Naor**

**20:00- 22:00 Dinner - Thanks and greetings to the IES veterans & Entertainment  
Thursday, April 7<sup>th</sup>, 2011**

8:30 - 10:15 **Oral Presentations- three parallel sessions**

8:30 - 10:15 **Hall A – Oral Presentation**  
**Session 1: Metabolism**  
Chairs: **Moshe Phillip, Ben Glaser**

- 8:30 **Insulin and glucagon share the same mechanism of neuroprotection in diabetes: role of glutamate**  
**Abd Al-Roof Higazi**, Rami Abu Fanne, Taher Nassar, Nuha Higazi
- 8:45 **AHNAK Is a novel regulator of GLUT4 gene expression in rat and human adipocytes: Role in obesity and insulin resistance**  
**Ben-Yosef Dafna**, Chava Harel, Michal Armoni, Assalia Ahmad, Theodore P. Ciaraldi, Robert R. Henrey, Eddy Karnieli
- 9:00 **AHNAK gene expression is increased in human obesity and decreased after bariatric surgery**  
**Irit Hochberg**, Ahmad Assalia, Dafna Ben-Yosef, Michal Armoni, Ted Ciaraldi, Robert Henry, Eddy Karnieli
- 9:15 **More muscle, less fat, better than diet: The positive effects of ANG 1-7 treatment in the metabolic syndrome**  
**Gabi Shefer**, Yonit Marcus, Michal Bach, Dafna Benayahu, Yoram Shechter, Naftali Stern
- 9:30 **Vitamin D metabolites and vitamin D less-calcemic synthetic analogs induce reactive oxygen species (ROS) formation as a signal to inhibit human arterial vascular smooth muscle cell proliferation**  
**Dalia Somjen**, Meital Grafi-Cohen, Orli Sharon, Esther Knoll, Arie Many, Naftali Stern
- 9:45 **The glucokinase mutation T206P is common among MODY patients of Ashkenazi Jewish descent**  
**Yael Gozlan**, Ariel Tenenbaum, Shlomit Shalitin, Yael Lebenthal, Tal Oron, Moshe Phillip, Ohad Cohen, Galia Gat-Yablonski

10:00 **The insulin-like growth factor I receptor (IGF-IR) translocates to the nucleus and autoregulates IGF-IR gene expression**  
**GENE EXPRESSION**  
**Rive Sarfstein**, Lea Shochat, Haim Werner

8:30 - 10:15 **Hall B – Oral Presentation**  
**Session 2: Growth & Puberty**  
Chairs: **Nehama Zuckerman-Levin, Dov Tosiano**

8:30 **Impact of infancy length on child growth in 22 subsistence-based societies**  
**Ze'ev Hochberg**, Walker Robert S., Gawlik Aneta

8:45 **Empirical testing of the 'Infancy– Childhood Transition (ICT) Theory on growth regulation**  
**Crispel Yonatan**, Oren Katz, Ze'ev Hochberg

9:00 **The length of infancy controls infantile and juvenile development, and this adaptive response is transmitted trans-generations**  
**Oren Katz**, Yonathan Krispel, Ze'ev Hochberg

9:15 **Autosomal recessive hyponatremia due to isolated salt wasting in sweat associated with a mutation in the active site of carbonic anhydrase 12**  
**Eli Hershkovitz**, Emad Muhammad, Neta Leventhal, Galit Parvari, Aaron Hanukoglu, Israel Hanukoglu, Vered Chalifa-Caspi, Ruti Parvari

9:30 **A novel c-terminal FSH $\beta$  mutation cause primary amenorrhea in three siblings**  
**Abdulsalam Abu-Libdeh**, Bassam Abu-Libdeh, David Zangen

9:45 **Sexual interests and hypogonadism in Prader-Willi Syndrome (PWS)**  
**Harry Hirsch**, Talia Eldar-Geva, Fortu Benarroch, Orit Rubinstein, Varda Gross-Tsur

10:00 **Lack of association between seroconversion and catch-up growth in children with celiac disease**  
**Amnon Zung**, Michal Kori

8:30 - 10:15 **Hall C – Oral Presentation**  
**Session 3: Reproduction**  
Chairs: **Nava Dekel, Ruth Shalgi**

8:30 **Investigating oocytes and intestine lineages by the reconstruction of cell lineage trees**  
**Yitzhak Reizel**, Shalev Itzkovitz, Rivka Adar, Judith Elbaz, Noa Chapal-Ilani, Adrian Jinich, Nava Dekel, Ehud Shapiro

8:45 **The regulation and topology of ubiquitination in mammalian oocytes during meiosis**  
**Yael Shahar Pomerantz**, Judith Elbaz, Dalia Galiani, Nava Nevo, Nava Dekel

- 9:00 **Transcriptional regulation of mitochondrial proteases protecting mitochondrial homeostasis during steroid hormone synthesis**  
**Assaf Bahat**, Joseph Orly
- 9:15 **Menopausal transdermal estrogen and intrauterine levonorgestrel does not increase CRP levels whereas oral hormone treatment may**  
**Zeev Blumenfeld**, Ronit Leiba, Ran Linn
- 9:30 **The spectrum of gonadal and hypothalamic function in adolescents and adults with Prader-Willi Syndrome(PWS)**  
**Talia Eldar-Geva**, Harry J Hirsch, Varda Gross-Tsur
- 9:45 **The role of sperm ligands in forward and hyperactivated motility, capacitation and acrosome reaction, in human sperm**  
**Gili Band**, Igael Madgar, Zvi Naor, Haim Breitbart
- 10:00 **Long acting hormones designed by gene fusion and gene transfer are safe for use in clinics**  
**Fuad Fares**, Eyal Fima, Avri Havron

#### 10:15 -10:45 **Exhibition & Refreshments**

- 10:45 -11:45 **Plenary lecture 3**  
**Primary Hyperparathyroidism; unsolved issues and treatment**  
**Claudio Marcocci**, Department of Endocrinology and Metabolism University of Pisa, Italy  
Chairs: **Sofia Ish Shalom, Yair Liel**

#### 11:45 -13:00 **General Assembly**

#### 13:00 -14:00 **Lunch**

- 14:00 -15:00 **Prize winning lectures**  
Chairs: **Zeev Blumenfeld, Joseph Orly**

**H. Lindner:** Alon Chen  
Recipient of the Hans Linder Prize  
**I. Chowers:** Reut Ashwal  
Recipient of the Israel Chowers Prize

#### 15:00-17:00 **Parallel Symposia**

- 15:00-17:00 **Hall A - Symposium 4- Adrenal: Hot Issues**  
Chairs: **Naomi Weintrob, Karen Tordjman**

- 15:00 **Preclinical testing of novel therapeutic approaches in endocrine tumor models**  
**Felix Beuschlein**, University of Munich Germany

- 15:30 **The Epidemic of Primary Hyperaldosteronism: Where is the Beef?**  
**Naftali Stern**, Institute of Endocrinology, Metabolism and Hypertension Tel Aviv Sourasky Medical Center, Israel
- 16:00 **Pheochromocytoma update**  
**Auryan Szalat**, Endocrinology and Metabolism Service, Hadassah-Hebrew University Medical Center, Jerusalem, Israel
- 16:30 **Congenital adrenal hyperplasia due to steroid 21- hydroxylase deficiency**  
**Liat de Vries**, The Institute of Endocrinology and Diabetes National Center for Childhood Diabetes, Schneider Children's Medical Center of Israel
- 15:00-17:00 **Hall B - Symposium 5- Regulation of bone cells activity**  
Chairs: **Yossi Levy, Galia Gat-Yablonski**
- 15:00 **Bone physiology-update and implications for new therapies**  
**Uri A. Liberman**, Department of Physiology and Pharmacology, Sackler School of Medicine, Tel Aviv University
- 15:30 **HIF-1 alpha regulates ECM secretion in the hypoxic growth plate**  
**Elazar Zelzer**, Department of Molecular Genetics, Weizmann Institute of Science
- 16:00 **A SERM-like activity of dietary compounds in bone and cancer cells**  
**Yoav Sharoni**, Faculty of Health Sciences, Ben-Gurion University
- 16:30 **Bone loss is fat gain: the role of Sirt1 in bone**  
**Rivka Dresner-Pollak**, Endocrinology and Metabolism, Hadassah-Hebrew University Medical Center
- 17:00-17:30 **Closing Remarks**