

**THE 36th ANNUAL MEETING OF
THE ISRAEL ENDOCRINE SOCIETY
17-18 APRIL 2007, KFAR HAMACCABIA, RAMAT-GAN**

Tuesday, April 17, 2007

- 07:45 **Registration and poster hanging**
- 09:00 **Three parallel free communication sessions (FC)**
- FC1 (A1-A5) DIABETES, INSULIN RESISTANCE AND OBESITY**
Chair: S.R. Sampson, M. Walker
- 09:00 A1 **Role of p38-MAPK and ErbB receptors pathways in the induction of IRS-1 serine phosphorylation and insulin resistance by TNF**
Yafit Rachminov, Ehud Barhurdar, Uri Nir, Maayan Barnea, Zecharia Madar, Avi Karasik, Rina Hemi, Hannah Kanety
The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan University; Institute of Endocrinology, Sheba Medical Center; Faculty of Agriculture, The Hebrew University of Jerusalem
- 09:15 A2 **Cytosolic Protein Tyrosine Phosphatase epsilon (cytPTPε) is a Negative Regulator of Insulin Signaling in Skeletal Muscle.**
Shlomit Aga-Mizrachi, Avraham I. Jacob, Tamar Brutman-Barazani, Asia Bak, Ari Elson, Sanford R. Sampson
Bar-Ilan University, Ramat-Gan; Weizmann Institute of Science, Rehovot
- 09:30 A3 **Crosstalk between inflammation and insulin resistance in insulin target tissues: NFκB represses GLUT4 gene promoter.**
Shiri Karni, Michal Armoni, Chava Harel, Simcha Milo, Eddy Karnieli
Techion- Israel Institute of Technology; Rambam Medical Center
- 09:45 A4 **Identification and Characterization of Novel Adiponectin Receptor 1 Isoforms**
Rina Hemi, Reut Ashwall, Reut Rosenblum, Avi Karasik, Hannah Kanety
Institute of Endocrinology, Sheba Medical Center; The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan University
- 10:00 A5 **Regulation of the gene encoding GPR40, a potential missing link between obesity and diabetes**
IES PRIZE FOR BEST ABSTRACT IN BASIC RESEARCH
Gabriela Ridner, Reut Bartoov-Shifman, Keren Bahar, Michael D. Walker
Weizmann Institute of Science-Rehovot
- FC2 (A6-A10) PUBERTY, GROWTH, AND SEXUAL DEVELOPMENT**
Chair: E. HersHKovitz, L. Lazar
- 09:00 A6 **Evidence that prenatal maternal serotonin reuptake inhibitors (SSRIs) therapy induce changes in anthropometrical parameters and in the hormonal profile of newborns**
Diana Prokonov, Irit Gil-Ad, Rachel Maayan, Amichai Zolokov, Abraham Weizman, Shmuel Davidson
Department of Neonatology Rabin Medical Center; Lab Biological Psychiatry, Felsenstein Medical research Center Tel-Aviv University
- 09:15 A7 **IGF-I Replacement Therapy in Children with Congenital IGF-I Deficiency Restore Heart Dimension and Function in Children with Laron Syndrome**
Zvi Laron, Olga Kisselgoff David M. Steinberg, Yzhar Toren, Miche Feinberg, Mickey Scheinowitz
Endocrinology and Diabetes Research Unit and Cardiac Clinic, Schneider Children's Medical Center, Petah-Tikva; Faculty of Exact Sciences, Tel-Aviv University; The Heart Institute, Sheba Medical center and Neufeld Cardiac Research Institute, Tel-Aviv University

- 09:30 A8 **11 beta-HSD1 activity in the programming of growth retardation and metabolic morbidity in SGA**
Nehama Zuckerman-Levin, Larisa Ziblin, Carlos Knopf, Oshrat Baruch, Ze'ev Hochberg
Pediatric Endocrinology, Meyer's Childrens Hospital, and Clinical Biochemistry, Rambam Medical Center, Faculty of Medicine, Technion-Israel Institute of Technology, Haifa
- 09:45 A9 **Neuroendocrine Phenotype Analysis in Five Patients with Isolated Hypogonadotropic Hypogonadism Due to a L102P Inactivating Mutation of GPR54**
Yardena Tenenbaum-Rakover, Monique Commenges-Ducos, Andr Iovane, Chantal Aumas, Osnat Admoni, Nicolas de Roux
Pediatric Endocrine Unit, Ha'Emek Medical Center, Afula, Technion Faculty of Medicine, Haifa, Israel
Maternité Pellegrin, CHU Bordeaux, 33076 Bordeaux, INSERM U690. Hopital Robert Debré, 75019 Paris, Faculté de Médecine Paris Sud, 94275 Le Kremlin Bicêtre, France
- 10:00 A10 **Endocrine care of transsexual men in Israel: a longitudinal study**
Yona Greenman, Naftali Stern.
Institute of Endocrinology and Metabolism, Tel Aviv-Sourasky Medical Center, Tel Aviv

FC3 (A11-A15) HORMONES AND CANCER

Chair: R. Koren, Y. Sharoni

- 09:00 A11 **Molecular mechanisms for activation of the antioxidant response element transcription system by dietary compounds**
Hagar Salman, Yaara Amosi, Michael Danilenko, Joseph Levy, Yoav Sharoni
Faculty of Health Sciences, Ben-Gurion University of the Negev and Soroka Medical Center of Kupat Holim, Beer-Sheva,
- 09:15 A12 **Interactions between androgen receptor and BRCA1 in regulation of IGF-I receptor gene expression in prostate cancer cells**
Hagit Schayek, Kathy Haugk, Lawrence True, Stephen R. Plymate, Haim Werner
Department of Human Molecular Genetics and Biochemistry, Sackler School of Medicine, Tel Aviv University, Tel Aviv; Departments of Pathology and Medicine, University of Washington, Seattle, Veterans Administration Puget Sound Health Care System-Geriatric Research Education and Clinical Center, Seattle
- 09:30 A13 **Impaired Insulin Signaling is Associated with Decreased Incidence of Experimental Skin Cancer.**
Jenny Russ, Weingarten Galina, Junji Takeda, C. Ronald Kahn, Efrat Wertheimer
Department of Pathology, Sackler Faculty of Medicine, Tel Aviv University, Israel. Dermatology, Osaka University Medical School, Osaka, JAPAN. Joslin Diabetes Center Harvard Medical School, Boston, MA.
- 09:45 A14 **The Role of NDRG1 in Human Prostate Cancer**
Tina Napso, **Fuad Fares**
Department of Molecular Genetics, Carmel Medical Center and the Bruce Rappaport Faculty of Medicine, Technion-Israel Inst. of Technology, Haifa.
- 10:00 A15 **The Role of the Antioxidant Response Element Transcription System in the Enhancement of Vitamin D-Induced Differentiation of Leukemic Cells**
Irene Bobilev, Victoria Rossova, Joseph Levy, Yoav Sharoni, Michael Danilenko
Clinical Biochemistry, Faculty of Health Sciences, Ben-Gurion University and Soroka Medical Center, Beer-Sheva

POSTER SESSION (P48-P91)

10:15

THYROID/ ADRENAL/ BONE

- P48 **Penicillamine induced dysmorphogenesis and hypothyroidism in healthy infants born to a mother with Wilson disease, and in Wilson disease patients**
Aaron Hanukoglu, Batya Curiel, Drora Berkowitz, Arieh Levine, Mordehai Lorberboym
E. Wolfson Medical Center, Division of Pediatric Endocrinology, Division of Pediatric Gastroenterology, Institute of Nuclear Medicine, Tel-Aviv University Sackler School of Medicine. Rambam Medical Center, Division of Pediatric Gastroenterology
- P49 **Medullary thyroid carcinoma in Israel**
Anat Jaffe, Micha Barchana, Liana Tripto Shkolnik, Yoel Toledano, Michael Hopp.
Endocrinology & Diabetes Unit, Hillel Yaffe Medical Center, Hadera, Israel National Cancer Registry, Ministry of health, Jerusalem, Tel Aviv University; & HOP research, School of Public Health, Haifa University
- P50 **Complications of antithyroid agents: A summary: 1968-2007.**
Menachem Shapiro, Rosani Ness Abramov, Gavriela Solomen, Mark Nevin, Lima Witz (z"l), Louis Shenkman, Dan Nabriski
Meir Hospital Kfar Sava, Laniado Hospital Natanya
- P51 **Loss of thyrotropin set points in Down syndrome subjects as a possible mechanism for their hypothyroidism**
Joseph Meyerovitch, Michael Sherf, Felice Antebi, Zeev Hochberg
Health Planning and Policy Wing, Clalit Health Services, Tel Aviv. Institute for Endocrinology and Diabetes, National Center for Childhood Diabetes, Affiliated to Tel Aviv University Sackler School of Medicine, Tel Aviv. Department of Family Medicine, Ben Gurion University, Beer-Sheva. Division of Endocrinology Meyer Children's Hospital and Technion, Haifa
- P52 **Neonatal hyperthyrotropinemia (HT): population characteristics, diagnosis, management and outcome after cessation of therapy**
Annon Zung, Shiri Barkan, Yardena Tenenbaum-Rakover, Aaron Hanukoglu, Eli Hershkovitz, Tzvy Bistrizer, Orit Pinhas-Hamiel, Zvi Zadik
Pediatric Endocrinology, Kaplan Medical Center, Rehovot, Ha'Emek Medical Center, Afula, E. Wolfson Medical Center, Holon, Soroka Medical University, Beer-Sheva, Assaf-Harofe Medical Center, Tzrifin, Safra Children's Hospital, Sheba Medical Center, Tel-hashomer
- P53 **Hyponatremia in the elderly is associated with hypercortisolemia rather than adrenal insufficiency**
Tania Winchester, Moshe Sonnenblick, **Gabriel Munter**
Shaare Zedek Medical Center, Geriatrics and Internal Medicine Departments, Ben Gurion University
- P54 **5 α -reduced steroid metabolites interfere with steroidogenesis in the human adrenal tumor cells H295R**
Michal Lahav, Karina Tereshenkov, Zeev Blumenfeld, Carlos Knopf
Unit Of Endocrinology, OB/Gyn Dept., The Ruth And Bruce Rappaport Faculty of Medicine, Technion – Israel Institute of Technology; Laboratory of Metabolic Diseases and Steroid Metabolome, Department of Clinical Biochemistry, Rambam Medical Center, Haifa
- P55 **Bone Turnover after Alendronate Dose Reduction Following Prolonged Standard Full Dose Treatment in Postmenopausal Osteoporosis Patients**
Elena Segal, Zila Shen-Or, Batia Raz, Sophia Ish-Shalom
Metabolic Bone Diseases Unit, Endocrine Laboratory, Rambam Medical Care Campus, The Bruce Rappaport Faculty of Medicine, Technion -Israel Institute of Technology, Haifa

- P56 **Parathyroid Hormone Selective Venous Sampling (SVS): Surgical Adjunct to allow Minimally Invasive Parathyroidectomy in Sestamibi Scan Negative Patients**
Michael Krausz, Sophia Ish-Shalom, Elena Segal, Amos Ofer, Ahuva Engel, Michal Mekel
Department of Surgery A, Metabolic Bone Disease Unit, Invasive Radiology Unit, Rambam Medical Care Campus, Technion-Israel Institute of Technology, Haifa
- P57 **Plant-derived micronutrients inhibit estrogen signaling in mammary cancer but not in bone osteoblast-like cells**
Anna Veprik, Marina Khanin, Keren Hirsch, Michael Danilenko, Yoav Sharoni, Joseph Levy
Clinical Biochemistry, Faculty of Health Sciences, Ben-Gurion University and Soroka Medical Center Beer-Sheva
- P58 **Immune cytokines modulate the levels of vitamin D receptor in keratinocytes**
Esther Ziv, Ruth Koren, Amiram Ravid
Felsenstein Medical Research Center, Department of Physiology and Pharmacology, Department of Cellular and Developmental Biology, Sackler Faculty of Medicine, Tel-Aviv University
- PUBERTY/GROWTH/GH/ IGF 1/ NEUROENDOCRINOLOGY**
- P59 **GnRH agonist treatment in girls with precocious puberty does not compromise post-pubertal uterine size**
Liat de Vries, Hadassa Goldberg-Stern, Moshe Phillip, Avi Ben-Haroush
Inst. for Endocrinology and Diabetes, Epilepsy Center, Schneider's Children Medical Center in Israel, Helen Schneider Hospital for Women, Rabin Medical Center, Beilinson Campus; Sackler school of Medicine, Tel-Aviv Univ.
- P60 **Nutrition-induced catch-up growth increases hypoxia inducible factor 1a RNA levels**
Naomi Even Zohar, Jasmine Jacob, Ninnette Amariglio, Gideon Rechavi, Olga Potievsky, Moshe Phillip, Galia Gat-Yablonski
Inst. for Endocrinology and Diabetes, National Center for Juvenile Diabetes, Schneider Children's Medical Center of Israel, and Felsenstein Medical Research Center, Petach Tikva; Laboratory of Molecular Biology, Inst. of Hematology and Cancer Research Center, Sheba Medical Center, Tel-Hashomer
- P61 **Growth pattern and final height after cessation of gonadotropin-suppressive therapy in girls with central sexual precocity**
Liora Lazar, Anna Padoa, Moshe Phillip
Inst. for Endocrinology and Diabetes, Schneider Children's Medical Center of Israel, Petah Tikva, Dept. of Obstetrics and Gynecology, Assaf Harofe Medical Center, Zerifin, Sackler Faculty of Medicine, Tel Aviv University
- P62 **Glucagon stimulation test for childhood GH deficiency – timing of the peak is important**
David Strich, Nahum Terespolsky, David Gillis.
Pediatric Specialty Clinic, Endocrinology and Diabetes, CHS; Pediatric Endocrinology Clinic, Hadassah Univ. Hospital, Ein-Kerem, Jerusalem
- P63 **Relationship between antidepressants and the IGF-1 system in the brain: Possible role in cognition**
Michal Taler, Nurit Grunbaum-Novak, Hagit Cohen, Abraham Weizman, Irit Gil-Ad, Ronit Weizman
Laboratory of Biological Psychiatry, Felsenstein Medical Research Center, Campus Rabin, Petah-Tiqva and Tel-Aviv University; Mental Health Center, Ben-Gurion University, Beer-Sheva; Brull Community Mental Health Center, Tel-Aviv University
- P64 **Autocrine action of estrogen on the bovine mammary gland**

- Yonatan Feuermann**, Sameer Mabweesh, Avi Shamay
Institute of Animal Science, Agricultural Research Organization, the Volcani Center, Bet Dagan; Department of Animal Science, Faculty of Agriculture, Hebrew University of Jerusalem, Rehovot
- P65 **Effects of selective somatostatin analogs and cortistatin on cell viability in cultured human non-functioning pituitary adenomas**
Hagit Padova, Hadara Rubinfeld, Moshe Hadani, Ilan Shimon
Institute of Endocrinology, Felsenstein Medical Research Center, Beilinson Hospital, Petah-Tiqva and Tel-Aviv University; Department of Neurosurgery, Sheba Medical Center, Tel-Hashomer
- DIABETES, OBESITY & ATHEROSCLEROSIS**
- P66 **Long-acting insulin analogues have mitogenic and antiapoptotic activities.**
Doron Weinstein, Zvi Laron, Haim Werner
Department of Human Molecular Genetics and Biochemistry, Sackler School of Medicine, Tel Aviv University, Endocrine and Diabetes Research Unit, Schneider Children's Hospital, Petah Tikva
- P67 **The role of cytosolic isocitrate dehydrogenase in the regulation of insulin secretion and biosynthesis.**
Veronique Attali, Nurit Kaiser, Gil Leibowitz.
Endocrinology and Metabolism Service, Department of Internal Medicine, Hadassah-Hebrew University Medical Center, Jerusalem
- P68 **Interference of GLUT4 gene expression by siRNA impairs IGF-I regulated skeletal growth - A potential mechanism for type 1 diabetes associated growth defect**
Gila Maor, Roni Hazan Bril, Eddi Karnieli .
Anatomy and cell Biology, Faculty of Medicine, Technion; Endocrinology, Diabetes and Metabolism, Rambam Medical Center and Faculty of Medicine – Technion, Haifa
- P69 **Insulin-like mechanism of Glucose Tolerance Factor (GTF)**
Tal Mizrahi, Nitsa Mirsky. Haifa University
- P70 **Dynamics of Cell Cycle Machinery in Pancreatic Beta Cells**
Seth Salpeter, Tzvika Granot, Yuval Dor.
The Hebrew University-Hadassah Medical School Jerusalem
- P71 **Cystic fibrosis-related diabetes: the role of peripheral insulin resistance and beta-cell dysfunction**
Dalit Modan-Moses, Pinhas-Hamiel, Kineret Mazor, **Taipora Ziv**, Asher Barak, Yaakov Yahav, Ori Efrati
Pediatric Endocrinology Unit, Pediatric Pulmonology Unit, The Edmond and Lily Safra Children's Hospital, Tel-Hashomer
- P72 **Phosphodiesterase isoenzymes as target for enhanced insulin response in pancreatic beta-cells**
Avital Dov, Nasim Warwar, Eva Abramovitch, Rafael Neshner .
Endocrinology and Metabolism Service, Department of Medicine, Hadassah - The Hebrew University Medical Center, Jerusalem
- P73 **Characterization of Atherosclerotic Lesions in apoE-deficient mice with Scanning Electron Microscopy (SEM) of Wet Tissue**
Hofit Cohen, Aviv Shaish, Yehuda Kamari, Anya Vainshtein, Rafael Bizur, Arnon Afek, Shlomzion Shen, Dror Harats
The Institute of Lipid and Atherosclerosis Research, Sheba Medical Center, Tel-Hashomer and Sackler Faculty of Medicine Tel Aviv University; Qantomix Ltd., Rehovot, Israel
- P74 **Prevalence of dyslipidemia and other cardiovascular risk factors in obese children and adolescents referred to a tertiary care center in Israel**
Shlomit Shalitin, Moshe Phillip.
Institute for Endocrinology and Diabetes, National Center for Childhood Diabetes, Schneider Children's Medical Center of Israel, Petach Tikva, Sackler Faculty of Medicine, Tel Aviv

- P75 **Apparent Role of 3T3-L1 12-Lipoxygenase in preventing adipocyte apoptosis and facilitating fat accumulation**
Rona Limor, Anat Revzin, Gary Weisinger, Naftali Stern
Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center
- CANCER**
- P76 **Oncogenesis in mammary epithelial cells of transgenic mice expressing Stat5 variants: conditions for cancer development and characterization of gene expression profiles in tumors**
Tali Eilon, Itamar Barash.
The Volcani Center. Institute of Animal Science. Bet-Dagan
- P77 **Mechanisms for cancer prevention by dietary compounds: A role for the Electrophile/Antioxidant Response Element and the Nrf2 transcription factor**
Yaara Amosi, Karin Linnewiel, Keren Hirsch, Hagar Salman, Joseph Levy, Yoav Sharoni
Dept. of Clinical Biochemistry, Faculty of Health Sciences, Ben-Gurion Univ. of the Negev and Soroka Medical Center of Kupat Holim, Beer-Sheva.
- P78 **Affinity targeting of the cytotoxic drug daunomycin with 7-(o)-carboxymethyl daidzein improves the therapeutic response in animal model of human ovarian cancer**
Fortune Kohen, S. Katzburg, N. Nevo, R. P. Hodge, M. D. Renevey, V. Kalchenko, N. Stern, D. Somjen.
Biological Regulation, Veterinary Resources, Weizmann Institute of Science, Rehovot; Pharmacology and Toxicology, Texas University Medical Branch at Galveston, USA; Institute of Endocrinology, Metabolism and Hypertension, Tel-Aviv Sourasky Medical Center
- P79 **Hormonal regulation of hyaluronan synthase and its effect on the adhesion process of human epithelial ovarian carcinoma metastasis**
Yael Tzuman, Dorit Granot, Galit Mazooz, Nava Nevo, Michal Neeman.
Weizmann Institute of Science, Rehovot
- P80 **Synergistic antileukemic effects of vitamin D3 derivatives and rosemary polyphenols in a mouse acute myeloid leukemia model**
Ayelet Shabtay, Hagar Sharabani, Ze'ev Barvish, Joseph Levy, Yoav Sharoni, Michael Danilenko
Clinical biochemistry department, Ben Gurion university, Beer-Sheva
- SIGNALING**
- P81 **AHNAK - new mediator of Insulin action: Implications for GLUT4**
Dafna Ben-Yosef, Michal Armoni, Chava Harel, Eddy Karnieli
Technion Institute of Biotechnology, Rambam Medical Center
- P82 **Protein Kinase C Alpha And Protein Kinase C Delta Differentially Regulate Insulin Signaling in Hepatocytes.**
Tamar Brutman-Barazani, Shlomit Aga-Mizrachi, Miriam Horovitz-Fried, Chaya Brodie, Sanford Sampson.
Bar-Ilan University, Ramat-Gan
- P83 **Crosstalk between cAMP and vitamin D in keratinocytes**
Ms. Jennifer Romano, Amiram Ravid, Ruth Koren
Felsenstein Medical Research Center, Department of Physiology and Pharmacology, Department of Cellular and Developmental Biology, Sackler Faculty of Medicine, Tel-Aviv University
- P84 **Preparation and Characterization of Recombinant Leptin from Pufferfish, Takifugu rubripes**
Michal Yacobovitz, Gili Solomon, Berta Levavi-Sivan, Arie Gertler
Faculty of Agricultural, Food and Environmental Quality Sciences, The Hebrew University of Jerusalem

P85 **Insulin Increases Nuclear PKC Delta in L6 Skeletal Muscle Cells**
Miriam Horovitz-Fried, Tamar Brutman-Barazani, Sanford Sampson.
Faculty of Life Sciences, Bar-Ilan University

REPRODUCTION

P86 **Novel roles for p38 and ERK1/2 in human ejaculated spermatozoa: regulation of flagellar motility, hyperactivation and acrosome reaction**
Tal Almog, Nir Etkovitz, Haim Breitbart, Zvi Naor
Dept. of Biochemistry, George S. Wise Faculty of Life Sciences, Tel Aviv Univ., The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan Univ.

P87 **Are steroids obligatory mediators of LH/hCG triggered resumption of meiosis in mammals?**
Shmulik Motola, Malka Popliker, Alex Tsafiriri.
The Bernhard Zondek Hormone Research Laboratory, Department of Biological Regulation, the Weizmann institute of science, Rehovot

P88 **Identification and Characterization of an Ovulation-Dependent Novel Gene**
Ketty Shkolnik, Shifra Ben-Dor, Dalia Galiani, Nava Nevo, Ariel Hourvitz, Nava Dekel
Department of Biological Regulation, Department of Biological Services, Weizmann Institute, Rehovot IVF Unit, Department of Obstetrics and Gynecology, Chaim Sheba Medical Center, Tel-Hashomer

P89 **Induction of heparanase by lh during the ovulatory process**
Eyal Klipper, Ehud Tatz, Israel Vlodaysky, Uzi Moallem, Dieter Schams, David Wolfenson, Rina Meidan
Department of Animal Sciences, Faculty of Agricultural, Food and Environmental Quality Sciences, The Hebrew University of Jerusalem, Rehovot,; Cancer and Vascular Biology Research Center, The Bruce Rappaport Faculty of Medicine, Technion, Haifa, Department of Dairy Cattle, Institute of Animal Sciences, Volcani Center, Bet-Dagan; Institute of Physiology, Weihenstephan, Technical University of Munich, Freising-Weihenstephan, Germany

P90 **Phospholipase D mediates hyperactivated motility in sperm capacitation.**
Sarit Bar-Sheshet Itach, Sara Rubinstein, Haim Breitbart
The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan Univ.

P91 **FSH and hCG induced an increase in Lipoxygenase gene expression in both human granulosa-lutein cells and cumulus cells from women undergoing in vitro fertilization**
Shalom Bar-Ami, Reem Biadsky-Atamny, Adrian Ellenbogen Moshe Ben-Ami, Johnny S. Younis, Madeia Michaeli, Orit Radin, Anat Jaffe
Endocrinology & Diabetes Unit, Hillel Yaffe Medical Center, Hadera; Reproductive Medicine Unit, Department of Obstetrics and Gynecology, Poriya Medical Center, Tiberias; Institute of Evolution, Faculty of Science, University of Haifa, Haifa Dept. of Obstetrics and Gynaecology, IVF Unit, Hillel Yaffe Medical Centre, Hadera

PL1 PLENARY LECTURE

Chair: **Z. Kraiem**

11:15 **Genetics of Thyroid Cancer Guides Design of Novel Therapeutic Strategies.**
Prof. James A. Fagin
Memorial Sloan-Kettering Cancer Center, New York, NY

12:10 **IES - BUSINESS MEETING**

12:45 **Lunch**

13:45 **Three parallel free communication sessions (FC)**

FC4 (A16-A20) ENDOCRINE PANCREAS, INSULIN SECRETION AND SIGNALING

Chair: R. Neshet, A. Zung

13:45 A16 **Incidence and age at disease onset of Type 1 Diabetes Mellitus among Israeli Ethiopians are correlated with the duration of exposure to a new environment**

Rafit Drori, Anat Jaffe

Endocrinology & Diabetes Unit, Hillel Yaffe Medical Center, Hadera; On behalf of the Israel IDDM Registry Study Group

14:00 A17 **Novel de novo heterozygous mutation in SUR1 presenting as hyperinsulinism (HI) in infancy followed by overt diabetes in adolescence – clinical and molecular studies**

IES PRIZE FOR BEST ABSTRACT IN CLINICAL RESEARCH

Maha Atwan, Jeremy Bushman, Show-Ling Shyng, Avital Perry, Sharona Tornovsky Babaey, Benjamin Glaser, David Zangen. *Hadassah Hebrew University Medical Center, Jerusalem, Oregon Health and Science University, Portland, USA*

14:15 A18 **PKC epsilon is involved in the control of insulin biosynthesis and secretion in pancreatic beta-cells**

Nasim Warwar, Esther Haber, Avital Dov, Eva Abramovitch, Erol Cerasi, Rafael Neshet

Endocrinology & Metabolism Service, Department of Medicine, Hadassah - Hebrew University Medical Center, Jerusalem

14:30 A19 **Rapamycin Treatment Exacerbates Nutrition-Induced Diabetes in *Psammomys obesus***

Merav Fraenkel, Mali Ketzinel Gilad, Yafa Ariav, Melis Karaca, Julien Castel, Christophe Magnan, Erol Cerasi, Nurit Kaiser, Gil Leibowitz. *Hadassah Medical Center, Hebrew Univ., Jerusalem Univ. Paris, Paris, France*

14:45 A20 **The role of Thioredoxin interacting protein in β -cell dysfunction in Type 2 diabetes**

Maayan Shaked, Ety Bachar, Erol Cerasi, Nurit Kaiser, Gil Leibowitz

Endocrinology & Metabolism Service, Department of Medicine, Hadassah - Hebrew University Medical Center, Jerusalem

FC5 (A21-A25) ENDOCRINE CANCER

Chair: D. Gross, O. Cohen

13:45 A21 **Dual treatment of the prostate cancer cell line DU145 with the anti-EGFR antibody and 1,25-dihydroxyvitamin D3 efficiently suppresses cancer cell growth**

Vladimir Gavrilov, Olga Belochitski, Samuel Ariad, Vladimir Fridman, Shraga Shany.

Dept. of Clinical Biochemistry, Department of Oncology, Soroka Medical Center and Faculty of Health Sciences, Ben-Gurion University of the Negev

14:00 A22 **Mechanism underlying the relationship between FSH, inhibin B (INB), anti-Mullerian hormone (AMH), and testosterone (T) secretion during long term treatment with Gonadotropin releasing-hormone agonist (GnRHa) in prostate cancer**

Talia Eldar-Geva, Gad Liberti, Boris Chertin, Alon Fridman, Hadassa Hartman, Amicur Farkas, Irving Spitz

Shaare-Zedek Medical Center; Institute of Hormone Research, Jerusalem

- 14:15 A23 **Registry of Adrenocortical Carcinoma in Israel – A preliminary report on 104 patients**
Anat Jaffe, Micha Barchana, Liana Tripto Shkolnik, I Liphshitz, Yoel toledano, Michael Hopp, Carlos Benbassat
Endocrinology & Diabetes Unit, Hillel Yaffe Medical Center, Hadera; Israel National Cancer Registry, Ministry of health, Jerusalem; Tel Aviv University; & HOP research: School of public Health, Haifa University; Institute of Endocrinology & Metabolism Beilinson Hospital, Petah-Tiqva
- 14:30 A24 **Hospital-based registry of differentiated thyroid cancer: a useful resource to improve the clinical management of thyroid cancer patients.**
Carlos Benbassat, Dania Hirsch, Gloria Zvetov, Ilana Shraga-Zlutzky, Ruth Weinstein, Monica Gaspar, Hanna Bernstine, Adam Steinmetz, Ronit Kalmanovitch, Joelle Singer, Ilan Shimon
Endocrine Inst., Dept of Nuclear Medicine, Beilinson Hospital, Petah-Tiqva
- 14:45 A25 **Differentiated thyroid carcinoma in the pediatric population – comparison between prepubertal children and adolescents**
Yael Lebenthal, Moshe Phillip, Liora Lazar.
Institute for Endocrinology and Diabetes, Schneider Children's Medical Center of Israel, Petah Tikva

FC6 (A26-A30) ENDOCRINOLOGY OF REPRODUCTION

Chair: P. Kraicer, I. Koch

- 13:45 A26 **The Orientation of The Alpha and Beta subunit domains in single-chain bovine LH analogs affects the secretion and steroidogenic response in vitro**
Moran Grinberg, Sigal Nakav, Svetlana Pen, Ada Dantes, Ruth Braw-Tal, Abraham Amsterdam, David Ben-Menahem.
Department of Clinical Pharmacology, The Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva; Institute of Animal Science, Agricultural Research Organization, The Volcani Center, Beit Dagan; Department of Molecular Cell Biology, The Weizmann Institute of Science, Rehovot
- 14:00 A27 **LH-induced caspase activation in rat preovulatory follicles is coupled to mitochondrial steroidogenesis**
Keren Yacobi, Alex Tsafiriri, **Atan Gross**.
Dept. of Biological Regulation, The Weizmann Institute of Science, Rehovot
- 14:15 A28 **Endometrial-trophoblast interaction: The role of Plexin-B1 and Progesterone receptors.**
Haggar Harduf, Shlomit Goldman, Eliezer Shalev.
Rapaport faculty of Medicine, Technion, Haifa. Laboratory for research in reproductive science, Dept. of Obstetrics and Gynecology, Ha'Emek Medical Center, Afula
- 14:30 A29 **The role of Xenopus membrane progesterone receptor beta in mediating the effect of progesterone on oocyte maturation.**
Liat Josefsberg Ben-Yehoshua, Andrea L Lewellyn, Peter Thomas, James L Maller.
Howard Hughes Medical Institute, Univ. of Colorado Health Sciences Center, Denver; Marine Sciences Institute, Univ. of Texas, Port Aransas
- 14:45 A30 **Elevated ET-2 in the young bovine corpus luteum: induction by LH and hypoxia**
Eyal Klipper, Yonit Mastich, Dieter Schams, Rina Meidan
Department of Animal Sciences, Faculty of Agricultural, Food and Environmental Quality Sciences, The Hebrew University of Jerusalem, Rehovot; Institute of Physiology Weihenstephan, Technical University of Munich, Freising-Weihenstephan, Germany
- 15:00 **Coffee Break**

SL Two Parallel Symposia

SL1 **Israeli Endocrine Society Guidelines for Thyroid Cancer**

Chair: Y. Liel, J. Arbelle

15:15 S1 **Israeli Guidelines for Thyroid Cancer –**
Dr. Jonathan Arbelle
Maccabi Sherutey Briut, Beer-Sheva

16:00 S2 **Case presentations –**
Dr. Carlos Benbassat
Rabin Medical Center, Petah-Tiqva

16:20 S3 **Open Discussion**

SL2 **Comparative Endocrinology**

Chair: A. Shamay, M. Friedman-Einat

15:15 S5 **The Effect of Leptin and GnRh on the Reproduction of Tilapia as a Model Fish**

Dr. Bertha Sivan

Department of Animal Science, Faculty of Agriculture, Hebrew University of Jerusalem, Rehovot

15:40 S6 **The Role of Retina and Extra Retinal Photo Stimulation in Reproductive Activities of Domestic Birds**

Dr. Israel Rosenboim

Department of Animal Science, Faculty of Agriculture, Hebrew University of Jerusalem, Rehovot

16:05 S7 **Multi-Level Regulation of Milk Protein Synthesis**

Dr. Itamar Barash

Institute of Animal Science, Agricultural Research Organization, the Volcani Center, Bet-Dagan

16:30 S8 **Prolactin, Leptin and The Mammary Gland**

Dr Avi Shamay

Institute of Animal Science, Agricultural Research Organization, the Volcani Center, Bet-Dagan

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17-18 APRIL 2007, KFAR HAMACCABIA, RAMAT-GAN**

Wednesday, April 18, 2007

07:45 **Registration (for those not registered on the 1st day)**

08:30 **Three parallel free communication sessions (FC)**

FC7 (A31-A36) BONE METABOLISM AND VITAMIN D

Chair: A. Ravid, E. Segal

08:30 A31 **Vitamin D attenuates the keratinocyte inflammatory response to TNF**
Mor Miodovnik, Amiram Ravid, Ruth Koren

*Felsenstein Medical Research Center, Department of Physiology and
Pharmacology, Department of Cellular and Developmental Biology,
Sackler Faculty of Medicine, Tel-Aviv University*

08:45 A32 **MS-KIF18A kinesin is regulated by estrogen and binds estrogen receptor**
Margalit Zusev, Dafna Benayahu.

*Department of Cellular and Developmental Biology, Sackler school of
Medicine, Tel-Aviv University*

9:00 A33 **Effects of androgens and estrogens on 12- and 15-Lipoxygenase**
Expression and Activity in Cultured Human Female Derived
Osteoblasts.

Dalia Somjen, Sara Katzburg, Esther Knoll, Orly Sharon, Rona Limor,
David Hendel, Naftali Stern

*Inst. of Endocrinology, Metabolism and Hypertension, Tel-Aviv Sourasky
Medical Center, and The Sackler Faculty of Medicine, Tel-Aviv Univ.;*

09:15 A34 **Clinical characteristics of patients treated with Teriparatide after long**
term antiresorptives treatment in a single tertiary referral metabolic clinic

Gloria Tsvetov, Carlos Benbassat, Ilana Shraga-Slutsky, Varda Eshed
*Endocrine Institute, Rabin Medical Center, Petah Tikva, Sackler Faculty of
Medicine, Tel Aviv University; Medical Department, Eli Lilly, Israel*

09:30 A35 **The involvement of Estrogen in accelerated Osteogenesis in skeletal**
growth center: A proposed mechanism

Marina Gurman, Moshe Phillip, **Gila Maor**.

*Department of Anatomy and Cell Biology, Faculty of Medicine, Technion-
Israel Institute of Technology, Haifa; Institute of Endocrinology and
Diabetes, Schneider Children's Medical Center, Petach Tikva*

09:45 A36 **Vitamin D Deficiency in Oncologic Patients - an Ignored and**
Potentially Life Threatening Condition, the Role of Osteoblastic
Activity in Hypocalcemia

Sophia Ish-Shalom, Shira Felder, Elena Segal, Hedva Yoffe- Sheinman,
Mira Volner, Eliahu Gez, Batia Raz, Zila Shen- Or Nissim Haim.

*Metabolic Bone Diseases Unit, Department of Oncology, Endocrine
Laboratory, Ramabam Health Care Campus, Haifa; The Bruce Rappaport
Faculty of Medicine, Technion -Israel Institute of Technology, Haifa*

FC8 (A37-A41) ADRENAL

Chair: N. Stern, A. Hanukoglu

08:45 A37 **Evaluation of the Hypothalamic-Pituitary-Adrenal Axis and Metabolic**
Profile of Women with Polycystic Ovary Syndrome

Elvira Chen, Caroline Apovian, Suzy Kovatz, Ghazy Ganem, Pnina
Rotman-Piekelnny, Michael Pomeranz, Eliahu Weiss Menachem Shapiro,
Louis Shenkman, **Rosane Ness-Abramof**

- Departements of Medicine B, C, E, Department of Obstetric and Gynecology, Endocrine Unit & Endocrine Laboratory, Sapir Medical Center, Kfar Saba; Kupat Holim Dgani, Hadara; Section of Endocrinology, Diabetes, and Nutrition, Boston Medical Center, Boston*
- 09:00 A38 **Disease control and sleep/activity quality by morning or evening replacement therapy in congenital adrenal hyperplasia**
Alina German, Suhir Suraiya, Yardena Tenenbaum-Rakover, Ilana Koren, Giora Pillar, Ze'ev Hochberg,
Clalit HMO, Haifa; Pediatric Endocrinology Unit, Meyer Children's Hospital, and Sleep Laboratory, Rambam Medical Center Haifa; Pediatric Endocrine Unit, Ha'Emek Medical center, Afula; Technion Faculty of Medicine, Haifa
- 09:15 A39 **Mutations in epithelial sodium channel (ENaC) beta subunit gene responsible for multi-system pseudohypoaldosteronism in ashkenazi families**
Oded Edelheit, Israel Hanukoglu, Matanel Tefilin, David Gillis, David H. Zangen, Gheona Altarescu, Aaron Hanukoglu
Dept. of Molecular Biology, College of Judea and Samaria, Ariel; Tel-Aviv Univ., Sackler Medical School; Dept. of Pediatrics, Hadassah-Hebrew Univ. Medical Center, Jerusalem; Genetics Unit, Shaare Zedek Medical Center; Div. of Pediatric Endocrinology, E. Wolfson Hospital, Holon
- 09:30 A40 **Absence of the PPARalpha (PPARα) gene abolishes hypertension, and attenuates atherosclerosis through downregulation of the Renin-Angiotensin-Aldosterone system in the Tsukuba hypertensive mouse (THM)**
Karen M. Tordjman, Clay F. Semenkovich, Trey Coleman, Etty Osher, Michal Vechoropoulos, Nafatli Stern
Inst. of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center; Div. of Endocrinology, Metabolism & Lipid Research, Washington Univ. School of Medicine, St. Louis, Missouri, USA
- 09:45 A41 **Inhibition of 12-lipoxygenase by baicalein reduced in vitro cell proliferation and induced apoptosis in two human primary adrenocortical carcinoma**
Anat Jaffe, Sholamit Karby, Keren Cohen, Shalom Bar-Ami.
Endocrinology & Diabetes Unit, Hillel Yaffe Medical Center, Hadera

FC9 (A42-A47) INTRACELLULAR SIGNALING MECHANISMS

Chair: F. Fares, Z. Naor

- 08:30 A42 **Role of PKC in GnRH activation of Extracellular Signal-Regulated Kinase (ERK) and Jun N-Terminal Kinase (JNK).**
Masha Dobkin-Bekman, Rony Seger, Zvi Naor
Department of Biochemistry, Tel Aviv Univ., Ramat Aviv; Department of Biological Regulation, The Weizmann Institute of Science Rehovot
- 08:45 A43 **Placental Expression of PKBalpha/Akt1 Improves Survival but does not Rescue PKBalpha/Akt1- deficient Embryos from Intrauterine Growth Retardation**
Vicki Plaks, Elina Berkovitz, Tamara Berkutzki, Rebecca Haffner, Alon Harmelin, Brian A. Hemmings, Nava Dekel Michal Neeman.
Biological Regulation, Veterinary Resources, The Weizmann Institute of Science, Rehovot, Israel; Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland,
- 09:00 A44 **Activin as a Possible Anti-Apoptotic Agent: Relevance for Neurodegenerative Diseases.**
Lana Kupershmidt, Kupershmidt L, Amit T, Orith Bar-Am, Youdim M.B.H, Blumenfeld Z
The Rappaport Faculty of Medicine, Technion, Israel Institute of Technology, Haifa

- 09:15 A45 **Vitamin D induces COX-2 in human keratinocytes**
Efrat Buchner, Ruth Koren, Amiram Ravid.
Felsenstein Medical Research Center, Department of Physiology and Pharmacology, Department of Cellular and Developmental Biology, Sackler Faculty of Medicine, Tel-Aviv University
- 09:30 A46 **Engineered Thyrotropin Variants with Increased In vivo Activity and High Serum Stability**
Naiel Azzam, Fuad Fares.
Department of Molecular Genetics, Carmel Medical Center and Faculty of Science, University of Haifa
- 9:45 A47 **Administration of leptin antagonist attenuates Concavalin A- and Pseudomonas Exotoxin A-induced experimental hepatitis and thioacetamide-induced hepatic fibrosis**
Arieh Gertler, Gila Solomon, Muhammed Ali, Rafi Bruck, Zamir Halpern, Eran Elinav.
Inst. of Biochemistry, Food Science & Nutrition, The Hebrew Univ. of Jerusalem; Gastroenterology & Liver Institute, Tel Aviv Sourasky Medical Center
- 10:00 **Coffee Break and Poster session**
- SL3 ENDOCANNABINOID SYSTEM (Sponsored by Sanofi-Aventis)**
Chair: R. Dresner-Pollak
- 10:45 **The Endocannabinoid System: an Overview of its Physiological Roles**
Prof. Raphael Mechoulam
The Hebrew University of Jerusalem
- 11:20 **The Role of the Endocannabinoid System in Common Obesity**
Dr. Gabriella Lieberman
Sheba Medical Center, Tel-Hashomer
- 11:45 **Endocannabinoid Regulation of Bone Remodeling**
Prof. Itai Bab
The Hebrew University of Jerusalem
- PRIZE LECTURES AND PRIZE ANNOUNCEMENTS**
Chair: B. Glaser
- 12:15 **Recognition Award for Special Contribution to Endocrinology in Israel – to Prof. Zvi. Laron**
- 12:25 **LINDNER PRIZE – In vitro Models of Human Pituitary Hormone Regulation**
Dr. Ilan Shimon
Rabin Medical Center, Petah Tiqva.
- 12:55 **CHOWERS PRIZE – A Servant to two Masters: Tissue-Specific Regulation of Steroidogenic P450 (Cyp11a) in the Ephemeral Placenta and Cycling Ovary**
Noa Sher
The Hebrew University of Jerusalem
- Low Expression of COX-2, Reduced Cumulus Expansion, and Impaired Ovulation in SULTIEL-deficient mice**
Dr. Eran Gershon
Biological Regulation, Weizmann Inst., Rehovot

