

SUNDAY, MAY 22

- 08:00-08:30 **Morning gathering with Light breakfast**
Sponsored by 
- 08:30-15:20 **Translational Nutrigenomics Workshop | Israel A Hall**
Chairs: Baukje De Roos, University of Aberdeen, UK
Dana Weiner, Sheba Medical Center, Israel
- 08:30-08:45 **Opening Remarks**
- 08:45-09:30 **Translational Nutrigenomics: Reshaping the Nutrition Landscape**
Yael Joffe, Manuka Science, South Africa
- 09:30-10:00 **Moving From Population Advice to Personalized Advice: The Need for Big Datasets to Find Out How Genotypes and Metabotypes Can Contribute To a Desired Phenotype**
Baukje de Roos, University of Aberdeen, UK
- 10:00-10:30 **Harnessing Nutrigenomics to Favorably Modify Cellular Defense: Redefining Antioxidant Concepts**
Christine Houghton, Cell Logic, Australia
- 10:30-11:00 **Coffee Break & Visit the Exhibition**
RAFFLE – two sets of My Bio genetic analysis kits – MyBio - Customize your lifestyle
- 11:00-11:30 **Personalized Nutrition for Obesity Management**
Alfredo Martínez, Institute of Nutrition at the University of Navarra, Spain
- 11:30-12:00 **Moving Towards Specific Nutrigenetics Recommendation Algorithms: Caffeine, Genetic Variation and Cardiovascular Risk**
Raffaele De Caterina, University of Chieti, Italy
- 12:00-12:30 **The Food4Me Studies – Implications for Personalized Nutrition**
Lorraine Brennan, UCD Institute of Food and Health, Ireland
- 12:30-12:50 **Epigenetics – The Missing Piece in the Food Allergy Puzzle**
Shimrit Barel, The Hebrew University of Jerusalem, Israel
- 12:50-13:50 **Lunch & Visit the Exhibition**
- 13:50-14:35 **Nutritional Genomics of the Mediterranean Diet: A Dietary Pattern That “Talks” to Our Genes**
Valentini Konstantinidou, DNANutricoach, Spain
- 14:35-15:20 **Panel Discussion, Conclusions, Future Perspectives**
Yael Joffe, Manuka Science, South Africa
Baukje de Roos, University of Aberdeen, UK
Dana Weiner, Sheba Medical Center, Israel
- 15:20-16:30 **Coffee Break & Visit the Exhibition**

SUNDAY, MAY 22

- 16:30-18:35** Innovation: From Academia To Market | Israel A Hall
How to make the courageous move from research to applicable product with commercialization potential
Chairs: **Martha Butler**, Universidad Nacional Evangélica, Dominican Republic
Zohar Kerem, The Hebrew University of Jerusalem, Israel
- 16:30-17:00** SNC's Innovation Talk:
The Future of Nutrition and Health: What's Next for the Start-Up Nation
Saul Singer, Co-author, Start-Up Nation, Israel
- 17:00-17:40** Experts Panel
Moderator: **Anna Phillips**, Start-Up Nation Central, Israel
Panel:
- **Academia** | **Michal Levi**, Yissum, Israel
 - **NGO** | **Sivan Yaari**, Innovation Africa, Israel
 - **Investor** | **Nadav Berger**, Founder and CEO of FoodLab Capital, Israel
 - **Industry/abroad** | **Peter Jones**, Head of Danone Canada Research Center, Canada
- 17:40-17:55** From Grain to Brain
Sponsored by  **Zohar Kerem**, The Hebrew University of Jerusalem, Israel
- 17:55-18:25** Companies / Research Projects Showcase
Presenters:
- **Research stage**
Genetic Improvement of Sesame: Nutrient Content and Bioavailability
Zvi Peleg, The Hebrew University of Jerusalem, Israel
 - **Early stage startup**
Seaweed – not just sushi, Novel Aquaculture Technology
Moshe Rivosh, Seakura, Israel
 - **Companies with product and sales**
Yael Lichter, Enzymotec, Israel
 - **Established**
Traits and Properties Control of Bulk Tank Milk (cooperation with research at Volcani, ARO)
Gil Katz, Afimilk, Israel
- 18:25-18:35** Agriinnovation Fund & Concluding Remarks
Ido Schechter, Yissum Fund, The Hebrew University of Jerusalem, Israel
- 19:20-21:30** Opening Cocktail Party | Exhibition Hall

MONDAY, MAY 23

- 07:30-08:30** **Meet the Expert I | Galil Hall**
Alfredo Martinez, University of Navarra, Spain
Yael Joffe, Manuka Science, South Africa
Sponsored by 
- 07:30-08:30** **Meet the Expert II | Golan Hall**
Peter Jones, University of Manitoba, Canada
Bruce German, University of California Davis, USA
- 08:00-09:00** **Light Breakfast & Visit the Exhibition**
- 09:00-11:05** **SESSION I | Israel A Hall**
From Human Genes to Lipid Metabolism
Chairs: Hermona Soreq, The Hebrew University of Jerusalem, Israel
Amit Ganor, Atid Association, Israel
- 09:00-09:30** **The Importance of Protecting the Brain During Liver Disease**
Christopher Rose, Université de Montréal, Canada
- 09:30-10:00** **Cholinergic-targeting microRNAs as Regulators of Brain-To-Body Metabolic Signaling**
Hermona Soreq, The Hebrew University of Jerusalem, Israel
- 10:00-10:10** **Changes in Cardiostrophin-1 Serum and PBMC Expression Levels after a Weight Loss Program in Obese Children**
Amelia Marti, University of Navarra, Spain
- 10:10-10:25** **Possible Effect on Atherosclerosis through Regulatory T Cells**
Jacob George, Kaplan Medical Center, Israel
- 10:25-10:40** **MicroRNA-132 Is a Suppressible Regulator of Hepatic Lipid Accumulation and Hyperlipidemia**
Geula Hanin, The Hebrew University of Jerusalem, Israel
- 10:40-10:55** **Carbohydrate Intake and Physical Activity Levels Modify the Association between FTO Gene Variants and Obesity and Type 2 Diabetes: First Nutrigenetics Study in an Asian Indian Population**
Vimal Karani, Hugh Sinclair Unit of Human Nutrition, UK
- 10:55-11:05** **Conclusions**
Hermona Soreq, The Hebrew University of Jerusalem, Israel
Amit Ganor, Atid Association, Israel
- 11:05-11:30** **Coffee Break, Visit the Exhibition & Poster Viewing**

MONDAY, MAY 23

- 09:00-11:05** Parallel Session – Oral Presentations | Golan Hall
Chairs: Yael Joffe, Manuka, South Africa
Ido Braslawski, The Hebrew University of Jerusalem, Israel
- 09:00-09:10** **GLUT14 (SLC2A14): Genomic Locus, Tissue Expression and Glucose Transport**
Peter Eck, University of Manitoba, Canada
- 09:10-09:20** **Nutritional Quality of Novel Genotypes of Freshwater Prawn, Macrobrachium vollenhovenii (Herklots, 1857)**
Oyediran Olusegun Oyebola, University of Ibadan, Nigeria
- 09:20-09:30** **Interactions between Vitamin Status and Gene-Variants in the Folate and Homocysteine Pathway Influence Cognitive Outcomes in A Cross-Sectional Multi-Ethnic Cohort**
Aron Troen, The Hebrew University of Jerusalem, Israel & Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, USA
- 09:30-09:40** **Personal Breast Milk Nutritional Profiling – What, Why and When?**
Ravid Shechter, Mymilk Laboratories, Israel
- 09:40-09:50** **The Nutritional Basis of Altered DNA Methylation in AD**
Andrea Fuso, Sapienza University of Rome, Italy
- 09:50-10:00** **Essential Oils for Parkinson’s Disease**
Anat Helman, Agricultural Research Organization (ARO), Israel
- 10:00-10:10** **Nutrition, Mammographic Breast Density and Molecular Types of Breast Cancer, an Overview**
Magda Johanna Vandelo, ECP Organization and Hasselt University, Belgium
- 10:10-10:20** **Polymorphisms and Folate Metabolism: Genetic Risk Score to Predict Plasma Homocysteine and Lipid Profile in Adolescents with Cardiovascular Risks Factors**
Cristiane Cominetti, Federal University of Goias, Brazil
- 10:20-10:30** **Effects On Endothelial and Adipocyte Gene Expression and Function**
Egeria Scoditti, CNR Institute of Clinical Physiology, Italy
- 10:30-10:40** **Extracts From Mexican Ganoderma Lucidum Modulate the Cholesterol Metabolism and Show Prebiotic Effects on Mice Gut Microbiota**
Maria E Meneses, Colegio de Postgraduados (CP), Mexico
- 10:40-11:05** **Discussion**
Moderators:
Yael Joffe, Manuka, South Africa
Ido Braslawski, The Hebrew University of Jerusalem, Israel
- 11:05-11:30** **Coffee Break, Visit the Exhibition & Poster Viewing**

MONDAY, MAY 23

- 11:30-13:45** **SESSION II | Israel A Hall**
The Nutrigenomics of Mediterranean Diets – From Epidemiology to Mechanistic Understanding
Sponsored by 
Chairs: Raffaele De Caterina, University of Chieti, Italy
Aliza Stark, The Hebrew University of Jerusalem, Israel
- 11:30-11:55** **Disease Prevalence and Dietary Habits – The Epidemiological Basis for the Health Interest in Mediterranean Diets**
Francesco Visioli, University of Padova, Italy
- 11:55-12:20** **Is it the Vegetables and Fruits? Identifying the Components of the Mediterranean Diet that Modulate Gene Expression**
Aliza Stark, The Hebrew University of Jerusalem, Israel
- 12:20-12:45** **Nutritional Consequences of Polymorphism in Cyp 3A**
Yelena Gutman, The Hebrew University of Jerusalem, Israel
- 12:45-13:05** **How to Implement Mediterranean Dietary Recommendations**
Paola Pittia, University of Teramo, Italy
- 13:05-13:30** **The Mediterranean Diet Ingredients: Fatty Acids and Polyphenols**
Maurizio Servili, Perugia, Italy
- 13:30-13:45** **Panel discussion**
Moderators:
Raffaele De Caterina, University of Chieti, Italy
Aliza Stark, The Hebrew University of Jerusalem, Israel
- 13:45-14:45** **Lunch, Visit the Exhibition & Poster Viewing**
- 11:30-13:20** **Parallel Session Continued – Oral Presentations | Golan Hall**
Chair: Efrat Monsonego-Ornan, The Hebrew University, Israel
Rosita Gabbianelli, University of Camerino, Italy
- 11:30-11:40** **“Junk Food” Diet Inhibits Longitudinal Growth and Bone Quality through Impairment of Growth Plate Development in Young Rodents**
Efrat Monsonego-Ornan, The Hebrew University of Jerusalem, Israel
- 11:40-12:00** **Colostrum, and its Oxytocin, Attenuate ER-Stress and Inflammation Signaling Markers, in Rat Newborn Gut Villi**
Benjamin Klein, Columbia University College of Physicians and Surgeons, USA
- 12:00-12:20** **Maternal Diet Enrichment in Alpha Linolenic or Saturated Fatty Acids Differentially Regulates Gene Expression in Mice Offspring’s liver**
Alicia Leikin Frenkel, Sheba, Tel Hashomer, Israel & Tel Aviv University, Israel

MONDAY, MAY 23

- 12:20-12:40 **Should 'Omics' Education be a Part of Undergraduate Allied Health Profession Curricula?**
Chandan Prasad, Texas Woman's University, USA
- 12:40-13:00 **Are miRNA in Blood a Reflection of Physiological Conditions?**
Eckart Meese, University of Saarland, Germany
- 13:00-13:20 **Discussion**
Moderators: **Efrat Monsonego-Ornan**, The Hebrew University of Jerusalem, Israel
Rosita Gabbianelli, University of Camerino, Italy
- 13:45-14:45 **Lunch, Visit the Exhibition & Poster Viewing**
- 14:45-15:30 **SESSION III | Israel A Hall**
Plenary Session
Chair: **Ram Reifen**, The Hebrew University of Jerusalem, Israel
- 14:45-15:30 **The First One Thousand Days – From Epidemiology to Nutrigenomics**
Zulfiqar A. Bhutta, The Hospital for Sick Children, Canada & The Aga Khan University, Pakistan
- 15:30-16:55 **SESSION IV | Israel A Hall**
Biological Targets and Mechanisms of Action of Natural Products
Chairs: **Peter Jones**, University of Manitoba, Canada
David Terrero, Universidad Nacional Evangélica, Dominican Republic
- 15:30-15:45 **Connecting the Dots: Bioengineering Legume Seeds with Enhanced Nutritional Composition using Systems Biology Approaches**
Jerome Verdier, Chinese Academy of Sciences (CAS), China
- 15:45-16:00 **Securolicida: Genomic Aspect of a Natural Antineoplastic New Drug and Its Pharmaceutical Development**
David Terrero, Universidad Nacional Evangélica, Dominican Republic
- 16:00-16:10 **Anti-aging Effect of Marine Fish Oil and Polyunsaturated Fatty Acids Based on Redox State Regulation and Telomere Protection Mechanisms**
Jingnan Chen, Zhejiang University, China
- 16:10-16:35 **Use of Combinatory SNP Patterns for Predicting Responsiveness of Biomarkers to Natural Products**
Peter Jones, University of Manitoba, Canada
- 16:35-16:55 **Nutrigenomic Mechanisms Associated With Chemoprevention by Phytochemicals; a Clinical Perspective**
Christine Houghton, University of Queensland, Australia
- 16:55-17:15 **Coffee Break, Visit the Exhibition & Poster Viewing**

MONDAY, MAY 23

- 17:15-18:30** **SESSION IV Continued | Israel A Hall**
Biological Targets and Mechanisms of Action of Natural Products
Chairs: **Paola Pittia**, University of Teramo, Italy
Oren Tirosh, The Hebrew University of Jerusalem, Israel
- 17:15-17:30** **High Dose Phytochemicals in Clinical Trials: Friend or Foe?**
Jeremy Johnson, University of Illinois at Chicago, USA
- 17:30-17:40** **A Combination of Single-Nucleotide Polymorphisms Is Associated with Interindividual Variability in Dietary Beta-Carotene Bioavailability in Healthy Men**
Charles Desmarchelier, Aix-Marseille University, France
- 17:40-17:55** **N-Acetyl-L-Cysteine Administration in Early Life Affect the Development of Glucose Intolerance and Diabetes in Adulthood**
Tovit Rosenzweig, Ariel University, Israel
- 17:55-18:15** **Differential Inhibition of Oxidative Stress by Specific Cereal Grain Fractions: In Vitro and In Vivo Studies**
Trust Beta, University of Manitoba, Canada
- 18:15-18:30** **Conclusions**
Peter Jones, University of Mannitoba, Canada
Paola Pittia, University of Teramo, Italy

TUESDAY, MAY 24

- 07:30-08:30** **Meet the Expert III | Galil Hall**
Baukje De Roos, University of Aberdeen, UK
Lorraine Brennan, University College Dublin, Ireland
Sponsored by 
- 07:30-08:30** **Meet the Expert IV | Golan Hall**
Kattie Hinde, Harvard University, USA
Michael Müller, Norwich Research Park, UK
- 08:00-09:00** **Light Breakfast & Visit the Exhibition**
- 09:00-11:00** **SESSION V | Israel A Hall**
Nutrigenomics Milk and Lactation
Sponsored by 
Chairs: **Bruce German**, University of California Davis, USA
Nurit Argov-Argaman, The Hebrew University of Jerusalem, Israel
- 09:00-09:20** **Milk Bioactives**
Nurit Argov-Argaman, The Hebrew University of Jerusalem, Israel
- 09:20-09:35** **How Enrichment of Milk with Magnesium Can Improve Quality and Safety of Milk Products?**
Moshe Shemesh, The Volcani Center, Israel
- 09:35-10:05** **Lactation – Evolving Components of Health**
Bruce German, University of California Davis, USA
- 10:05-10:35** **Molecular Anthropology of Mothers and Infants**
Katie Hinde, Harvard University, USA
- 10:35-10:45** **Expression and Biological Function of miRNA in Breast Milk**
Regina Golan-Gerstl, The Hebrew University of Jerusalem, Israel
- 10:45-11:00** **Panel Discussion – Challenges & Opportunities**
- 11:00-11:30** **Coffee Break, Visit at the Exhibition & Poster Viewing**
- 11:30-14:00** **SESSION VI | Israel A Hall**
The Microbiome – New Addition to Our Tool Box
Chairs: **Michael Müller**, The Norwich Research Park, UK
Omry Koren, Bar Ilan University, Israel
- 11:30-12:00** **Systems Nutrition of the Food-Microbe-Host Interaction in the Gut-Liver Axis**
Michael Müller, The Norwich Research Park, UK
- 12:00-12:10** **Diet, the Microbiome and Behaviour**
Hadar Neuman, Bar-Ilan University, Israel

TUESDAY, MAY 24

- 12:10-12:30** **Fecal Microbiota Transplants - The Clinical Perspective**
Ilan Youngster, Assaf Harofeh Medical Center, Tel-Aviv University, Israel
- 12:30-13:00** **Emulsifiers in Food – And the Microbiome**
Andrew Gewirtz, Georgia State University, USA
- 13:00-13:20** **Personalized Nutrition**
Eran Segal, Weizmann Institute of Science, Israel
- 13:20-13:40** **Microbiome and Gut Function**
Udi Ringel, Rabin Medical Center, Tel Aviv University, Israel
- 13:40-14:00** **Impact Of Food Pesticides on the Gut Microbiota**
Rosita Gabbianelli, University of Camerino, Italy
- 14:00-14:45** **Lunch, Visit the Exhibition & Best Poster Announcement**
- 14:00** **Announcement of Best Posters – Exhibit Hall**
Chairs: **Zvi Hayuka**, The Hebrew University of Jerusalem, Israel
David Terrero, Universidad Nacional Evangélica, Dominican Republic
- 14:45-15:30** **Plenary Session | Israel A Hall**
Chair: **Shimrit Bar-El**, The Hebrew University of Jerusalem, Israel
Epigenetics & Nutrigenomics
Howard Cedar, The Hebrew University of Jerusalem, Israel
- 16:00-22:00** **Gala Event (departure from Dan Panorama)**
- 17:30** **Old City Tour**
- 19:30** **Greetings**
Menachem Ben Sasson, President, The Hebrew University of Jerusalem
- 19:40** **Science as A Bridge between People**
Zulfikar Bhutta, Hospital for Sick Children, Canada, The Aga Khan University, Pakistan
- 20:30** **Night Spectacular – Sound and Light at the Citadel**
- 21:15** **Cocktail Party & live music**

WEDNESDAY, MAY 25

- 08:00-18:30** Professional Tour: **Olive Oil and Wine Production in Israel: Tel Aviv – Nazareth**

THURSDAY, MAY 26

- 08:00-16:00** Professional Tour: **Dairy Farms, Production & R&D Stations**

LIST OF POSTERS

- 1 Myricetin Improves Endurance Capacity and Mitochondrial Function by Activating SIRT1 and PGC-1A**
Hoe-Yune Jung, Pohang University of Science and Technology (POSTECH) & NovMetaPharma, South Korea
- 2 Angiotensin-Converting Enzyme (ACE) I/D Polymorphism Influences Body Composition through the Hydration Status in A Young Italian Population**
Laura Bordoni, University of Camerino, Italy
- 3 Effects of Dietary Supplementation with Eicosapentaenoic Acid and/or α -Lipoic Acid on Adipose Tissue Transcriptome in Healthy Overweight/Obese Women**
J. Alfredo Martínez, University of Navarra & Instituto de Salud Carlos III & IdiSNA, Spain
- 4 Prediction of Obesity Risk Through Three Genetic Risk Score (GRS) Models**
J. Alfredo Martínez, University of Navarra & Instituto de Salud Carlos III & IdiSNA, Spain
- 5 DNA Methylation Levels of miR-1203, miR-412 and miR-216A Coding Sequences in White Blood Cells are Associated with Childhood Obesity**
J. Alfredo Martínez, University of Navarra & Instituto de Salud Carlos III & IdiSNA, Spain
- 6 Influence of Oxygen Consumption on IL6 Promoter Methylation in PBMC from Obese Subjects with Sleep Apnea-Hypopnea Syndrome**
J. Alfredo Martínez, University of Navarra & Instituto de Salud Carlos III & IdiSNA, Spain
- 7 Maresin 1 Improves the Inflammatory State in White Adipose Tissue of ob/ob Mice**
J. Alfredo Martínez, University of Navarra & Instituto de Salud Carlos III & IdiSNA, Spain
- 8 Polymorphisms in PPARG, APOE and MTHFR Genes Are Related to Lipid Profile and ox-LDL in Adolescents with Cardiovascular Risk Factors**
Cristiane Cominetti, Federal University of Goias, Brazil
- 9 The Small Food Additive Molecule Acetoin Triggers Biofilm Formation by Prebiotic Bacteria**
Noa Ben-Ishay, The Volcani Center, Israel & The Hebrew University of Jerusalem, Israel
- 10 Impact of Thermal Processing of Bovine Lactoferrin on Gut Microbiota**
Alice M. Moscovici, Technion – Israel Institute of Technology, Israel
- 11 Influence of Gestational Diabetes on Metabolite Concentrations in Human Colostrum**
Ilana Chertok, University of North Carolina, USA
- 12 Expression of MiRNAs Related to Obesity and Diabetes in Human Milk**
Yaffa Elbaum Shiff, The Hebrew University of Jerusalem, Israel

LIST OF POSTERS

- 13 The Study of the Association of Genetic Polymorphisms with Obesity in Children of Preschool and School Age: A Pilot Study**
Nataliya Shilina, Institute of Nutrition, Russia
- 14 Microbiota Composition of Ugandan children Following Vitamin A Supplementation**
Elina Manusevich Wiseman, The Hebrew University of Jerusalem, Israel
- 15 Transcriptome-based Identification of New Anti-inflammatory Properties of the Olive Oil Hydroxytyrosol in Vascular Endothelial Cell under Basal and Proinflammatory Conditions**
Egeria Scoditti, CNR, Italy
- 16 Anti-Inflammatory Nutrigenomic Effects of Hydroxytyrosol in Human Adipocytes - Protective Mechanisms of Mediterranean Diets in Obesity-Related Inflammation**
Egeria Scoditti, CNR, Italy
- 17 Phosphodiesterase5A Up-regulation in Vascular Endothelium Under Pro-inflammatory Conditions: a Newly Disclosed Anti-inflammatory Activity for the ω -3polyunsaturated Fatty Acid Docosahexaenoic Acid**
Egeria Scoditti, CNR, Italy
- 18 Vitamin A and Epigenetics**
Alona Metz, The Hebrew University of Jerusalem, Israel
- 19 Using Prebiotic Bacterium Bacillus Subtilis to Enhance Growth and Survival of Probiotic Health Promoting Bacteria**
Sagit Yahav, The Volcani Center, Israel & The Hebrew University of Jerusalem, Israel
- 20 Isoflavone Metabolizing Phenotypes Dictated By Diet in Men with Asymptomatic Prostate Cancer**
Yael Vodovotz, The Ohio State University, USA
- 21 A Cereal Contaminant Affects Genome-Wide Expression in Kidney of Weanling Piglets**
Daniela Marin, National Institute for Research and Development for Biology and Animal Nutrition, Romania
- 22 Effect of Microbial and Mycotoxin Co-contamination on Wide Genome Profile of Porcine Epithelial Intestinal Cells**
Ionelia Taranu, National Institute for Research and Development for Biology and Animal Nutrition, Romania
- 23 Physical Activity Attenuates the Effect of the FTO rs9939609 Polymorphism on Obesity and Metabolic Syndrome in Lithuanian Adult Population**
Alina Smalinskiene, Lithuanian University of Health Sciences, Lithuania

LIST OF POSTERS

- 24 Antiinflammatory and Antihyperglycemic Effects of Quercetin and Quercetin-3-O-glucoside in Cellular Models**
Ana Laura de la Garza, Autonomous University of Nuevo Leon, Mexico
- 25 Fructose versus Sucrose Associated With Elevated Plasma Triglyceride and Glucose Levels: Preliminary Look To Developmental Programming**
Yagmur Kaya, Hacettepe University, Turkey
- 26 Genetic Variants Influence HDL Subclass Distribution in Response to Dietary Cholesterol and Plant Sterol Consumption in a Hutterite Founder Population**
Peter AS Alphonse, University of Manitoba, Canada
- 27 Fruit Consumption May Protect Against the Development of Intestinal Inflammation via Modification of Microbial Composition**
Naomi Fliss-Isakov, Tel Aviv University, Israel
- 28 The Effects of Diet Contamination on Wide Genome Expression in Duodenum of Growing Pigs**
Gina Cecilia Pistol, National Institute for Research and Development for Biology and Animal Nutrition, Romania
- 29 Omega-3 Deficiency Impairs Honey Bee Learning**
Yael Arien, The Hebrew University of Jerusalem, Israel
- 30 Factors Influencing the Formation of Nisin and its Isolation from Whey and the Use of Antimicrobial Effects for Food, Cosmetic and Medical Applications**
Jan Drbohlav, Vyzkumny Ustav Mlekarensky, Czech Republic
- 31 A Methyl Balanced Diet Can Prevent Prenatal CRF Triggered Predisposition to Binge Eating/H3**
Mariana Schroeder, Max-Planck Institute of Psychiatry, Germany & Weizmann Institute of Science, Israel
- 32 A Randomized Controlled Trial of a Gluten-Free Weight Loss Diet in HLA DQ2 or D8 Positive Subjects**
Maria Vranceanu, Eurogenetica, UK
- 33 Effect of 3-Hydroxy-3-Methylbutyrate on Protein Metabolism in Whole Body and in Selected Tissues of Laboratory Rat**
Milan Holecek, Faculty of Medicine, Charles University, Czech Republic
- 34 N-Acetyl-Cysteine (NAC) Supplementation Improves Insulin Sensitivity: a Personalized Recommendation is Required**
Tovit Rosenzweig, Ariel University, Israel

LIST OF POSTERS

- 35 Insulin Sensitivity is improved by the Beduin Medicinal Plant, Sarcopoterium Spinosum**
Tovit Rosenzweig, Ariel University, Israel & Diabest Botanical Drugs, Israel
- 36 Developing Peptidic Inhibitors for E.Coli Mazf Toxin Protein**
Carmit Ginesin Tzela, The Hebrew University of Jerusalem, Israel
- 37 Consumption of Soy-Based Infant Formula is not associated with Early Onset of Pubertal Signs**
Tali Sinai, The Hebrew University of Jerusalem, Israel
- 38 Improving Agriculture Products Quality and Safety by Novel Antimicrobial Random Peptide Mixtures**
Tal Stern, The Hebrew University of Jerusalem, Israel
- 39 Interaction Effect of Genetic Variants in GC and DHCR7 and the Vitamin D Status on Blood Pressure and the Risk of Gestational Hypertension in Pregnant Women**
Jayong Chung, Kyung Hee University, South Korea