SUNDAY, JUNE 10, 2018

SESSION 1: OPENING AND KEYNOTE LECTURE
8:00-9:00 Registration (Lopatie Conference Center, Weizmann Institute campus)
09:00-09:20 Formal opening and welcome: Prof. Benjamin Geiger

09:20-10:20 KEYNOTE LECTURE: Prof. G. David Rodman, University of Indiana Medical School, USA
Osteoclasts: Key Contributors to Myeloma Bone Disease
10:20-10:50 Coffee break

SESSION 2
10:50-11:20 Jean-Marie Delaisse, University of Southern Denmark, Denmark
The “bulldozer” osteoclast resorption mode: a new concept
11:20-11:50 Vincent Everts, Academic Center for Dentistry, The Netherlands
Osteoclasts versus foreign body giant cells: two of a kind?
11:50-12:20 Yankel Gabel, Tel Aviv University, Israel
Sex-specific regulation of bone resorption by Krox20 in the osteoclast lineage: hormone-independent sexual dimorphism
12:20-12:35 SHORT TALK: Kent Sac, University of Southern Denmark, Denmark
Influence of aging on osteoclasts
12:35-14:00 Lunch

SESSION 3
14:00-14:30 Cristina Sobacchi, Institute for Genetic and Biomedical Research, Italy
Genetics of osteopetrosis
14:30-15:00 Ari Elson, The Weizmann Institute of Science, Israel
SNX10, osteoclasts, and autosomal recessive osteoporosis
15:00-15:30 Benjamin Geiger, The Weizmann Institute of Science, Israel
The biogenesis, maturation and fate of wild-type and SNX10 mutated osteoclasts
15:30-15:45 SHORT TALK: Ciro Menale, Institute for Genetic and Biomedical Research, Italy
DPP3 as a new player in osteoclast response to oxidative stress
15:45-16:15 Coffee break

SESSION 4
16:15-16:45 Jean Vacher, Montreal Clinical Research Institute, Canada
Ostm1 expression in mature osteoclast is essential to prevent osteopetrosis
16:45-17:00 SHORT TALK: Riccardo Paone, University of L’Aquila, Italy
Extracellular vesicles in bone biology
17:00-17:30 Valentina Capo, San Raffaele Telethon Institute for Gene Therapy (SR-TIGET), Italy
Vector-driven TCFR51 expression rescues bone resorption in autosomal recessive osteopetrosis

MONDAY, JUNE 11, 2018

SESSION 5
09:00-09:30 Elazar Zeltzer, The Weizmann Institute of Science, Israel
A global view on bone modelling
09:30-10:00 Jan Tuckermann, University of Ulm, Germany
Osteoblast/Osteocyte - Osteoclast Crosstalk: New Kids on the Block
10:00-10:30 Drorit Neumann, Tel Aviv University, Israel
Erythropoietin induced bone loss - the immune-skeletal connection
10:30-10:45 SHORT TALK: Yeon de Vries, Academic Center for Dentistry, The Netherlands
Mouse osteoclast precursors and heterogeneous cytokine responses
10:45-11:15 Coffee Break

SESSION 6
11:15-11:45 Noam Levaot, Ben Gurion University, Israel
From Progenitor to active resorption: Uncovering the osteoclast molecular mechanisms and exploiting them to generate novel anti-resorptive compounds
11:45-12:00 SHORT TALK: Michel Eger, Tel Aviv University, Israel
Titanium particles released from ultrasonic scaling of implants induce a severe inflammation and osteolysis: Mechanisms and treatment options
12:00-12:30 Timothy Arnett, University College London, United Kingdom
Hypoxia, acidosis and bone cell function
12:30-14:00 Lunch

SESSION 7
14:00-14:30 Ulf Lerner, University of Gothenburg, Sweden
The role of WNT16 for cortical thickness
14:30-15:00 Anna Tel, University of L’Aquila, Italy
New frontiers in the treatment of Autosomal Dominant Osteopetrosis
15:00-15:30 Johan Richter, University of Lund, Sweden
Towards gene therapy of infantile malignant osteopetrosis
15:30-15:45 SHORT TALK: Ilana Moscatelli, University of Lund, Sweden
Novel mouse models to study osteoclasts and osteoporosis
15:45-16:15 Coffee Break

SESSION 8
16:15-16:45 Angar Schulz, University Medical Center Ulm, Germany
Osteoporosis - a tricky clinical problem
16:45-17:00 SHORT TALK: Matthias Baiker, University Medical Center Ulm, Germany
Longitudinal growth data of children with autosomal recessive osteopetrosis and bone marrow transplantation, a single center study
17:00-17:30 Polina Stepenksy, Hadassah Medical Center, Israel
Transplant results in patients with osteopetrosis