<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Event</th>
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<tbody>
<tr>
<td>13:00</td>
<td><strong>Opening Remarks</strong>&lt;br&gt;Toshiyuki Yoneda (Division of Hematology and Oncology, Indiana University School of Medicine)</td>
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<td>13:05</td>
<td><strong>Myeloma bone disease - mechanism of development and prevention by Pim-2 inhibition</strong>&lt;br&gt;Toshio Matsumoto (Department of Medicine and Bioregulatory Sciences, The University of Tokushima Graduate School of Medical Sciences)</td>
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<td>13:45</td>
<td><strong>Pathogenesis of FGF23-related hypophosphatemic diseases</strong>&lt;br&gt;Yuka Kinoshita (Division of Nephrology and Endocrinology, Department of Internal Medicine, University of Tokyo Hospital)</td>
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<td>14:05</td>
<td><strong>Preferential orientation of biological apatite (BAp) as a bone quality parameter in intact, regenerated or pathological bone tissues</strong>&lt;br&gt;Takayoshi Nakano (Division of Materials Science and Engineering, Graduate School of Engineering, Osaka University)</td>
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<td>14:45</td>
<td><strong>Pleiotropic approach to the prevention of age-related musculoskeletal changes</strong>&lt;br&gt;Sumito Ogawa (Department of Geriatric Medicine, Graduate School of Medicine, The University of Tokyo)</td>
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<td>15:05</td>
<td><strong>Notch/Rbpj/Hes1 Signal in Chondrocytes Modulates the Terminal Stage of Endochondral Ossification during Skeletal Growth and Osteoarthritis Development</strong>&lt;br&gt;Shurei Sugita (Department of Orthopaedic Surgery, Faculty of Medicine, The University of Tokyo)</td>
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<td>15:25</td>
<td><strong>The Inflammasome in Health and Disease</strong>&lt;br&gt;Richard Flavell (Department of Immunobiology, Yale University School of Medicine)</td>
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<td>16:25</td>
<td><strong>Coffee Break (15 min.)</strong></td>
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Session IV
Moderator:
Hiroshi Asahara (Department of Systems BioMedicine, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University)
Shiro Ikegawa (Laboratory for Bone and Joint Diseases, Center for Integrative Medical Sciences, RIKEN)

16:40 Directed conversion and iPS cell technologies allow for pathophysiologival recapitulation of type II collagenopathy
Minoru Okada (Department of Cell Growth and Differentiation, Center for iPS Cell Research and Application, Kyoto University)

17:00 Regulation of Endochondral Ossification by Transcriptional Network
Riko Nishimura (Department of Molecular and Cellular Biochemistry, Osaka University Graduate School of Dentistry)

17:40 Muscle-derived humoral factor, osteoglycin, links muscle to bone
Kenichiro Tanaka (Internal Medicine 1, Shimane University Faculty of Medicine)

Session V
Moderator:
Takeshi Imamura (Department of Molecular Medicine for Pathogenesis, Ehime University Graduate School of Medicine)
Takeshi Miyamoto (Department of Orthopaedic Surgery, School of Medicine, Keio University)

18:00 Control of bone remodeling by sensory nervous system
Shu Takeda (Department of Physiology and Cell Biology, Tokyo Medical and Dental University Graduate School and Faculty of Medicine)

18:40 Spleen serves as a reservoir of osteoclast precursors in op/op mice: A pivotal role for IL-34 in osteoclastogenesis
Yuko Nakamichi (Institute for Oral Science, Matsumoto Dental University)

Welcome Reception
19:00 Reception Remarks
Sakae Tanaka (Department of Orthopaedic Surgery, Faculty of Medicine, The University of Tokyo)
Session VI
Moderator:
Toshiyuki Yoneda (Division of Hematology and Oncology, Indiana University School of Medicine)

8:30 Strategies toward regeneration of damaged CNS using iPS cells
Hideyuki Okano (Department of Physiology, Keio University School of Medicine)

Session VII
Moderator:
Masaru Ishii (Department of Immunology and Cell Biology, Graduate School of Medicine and Frontier Biosciences, Osaka University)
Hiroshi Takayanagi (Department of Immunology, Graduate School of Medicine and Faculty of Medicine, The University of Tokyo)

9:30 Regulation of bone remodeling
Tomoki Nakashima (Department of Cell Signaling, Tokyo Medical and Dental University)

10:10 The role of local vitamin D function in bone and calcium homeostasis
Ritsuko Masuyama (Department of Cell Biology, Nagasaki University Graduate School of Biomedical Sciences)

10:30 Coffee Break (15 min.)

Session VIII
Moderator:
Toshio Matsumoto (Department of Medicine and Bioregulatory Sciences, The University of Tokushima Graduate School of Medical Sciences)

10:45 Wnt signaling during bone mass accrual and homeostasis
Matthew Warman (Department of Genetics, Harvard Medical School)

Session IX
Moderator:
Yasuhiro Takeuchi (Division of Endocrinology and Metabolism, Toranomon Hospital)

11:45 Diabetes mellitus and bone metabolism
Toshitsugu Sugimoto (Internal Medicine 1, Shimane University Faculty of Medicine)

12:25 Lunch (60 min.)

Session X
Moderator:
Haruhiko Akiyama (Department of Orthopaedics, Kyoto University)
Hirotoshi Tanaka (Center for Antibody and Vaccine Therapy, The institute of Medical Science, The University of Tokyo)

13:25 Zfp521 is involved in the anabolic and catabolic responses of bone to PTH
Kei Yamana (Teijin Institute for Biomedical Research, Teijin Pharma Limited)
13:45  Joint regeneration in rheumatoid arthritis with mesenchymal stem cells: is it a achievable goal?
      Kunihiro Yamaoka  (The First Department of Internal Medicine, University of Occupational and Environmental Health, Japan)

14:05  Control of skeletal muscle mass by myostatin/TGF-β signaling
      Shinichiro Nishimatsu  (Department of Molecular and Developmental Biology, Kawasaki Medical School)

14:25  Closing Remarks
      Toshio Matsumoto  (Department of Medicine and Bioregulatory Sciences, The University of Tokushima Graduate School of Medical Sciences)