

4th Meeting of Bone Biology Forum

24th, August, 2007

Session I

13:05 – 15:05

Moderator: Shigeaki Kato, Toshihiko Yanase

Plenary Lecture I: **Pierre Chambon**, The Involvement of nuclear receptors in atopic Diseases (dermatitis and asthma)

Communication I: **Satoshi Inoue**, Novel Vitamin K Action via Transcriptional Regulation

Communication II: **Hideki Chiba**, A novel mechanism underlying vitamin D-dependent Ca²⁺ absorption between enterocytes

Communication III: **Ken-ichi Takeyama**, A novel co-repressor of human androgen receptor regulates Notch signaling in neurogenesis

Session II

15:20 – 17:20

Moderator: Yoshiya Tanaka, Seiji Fukumoto

Plenary Lecture II: **Erwin Wagner**, The multiple functions of FOS/AP-1 proteins in Bone Biology

Lecture I: **Ko-ichi Matsuo**, New regulatory mechanisms for osteoclast differentiation

Communication IV: **Kenji Hata**, Regulation of Sox9-assembled transcriptional factory by general and chondrocyte specific transcription factors during chondrocyte differentiation

Session III

17:35 – 18:35

Moderator: Toshio Matsumoto

Educational Lecture: **Shin-ichi Nishikawa**, ES cell culture for specifying developmental origin of stem cells

Session IV

18:35 – 19:15

Moderator: Riko Nishimura

Lecture II: **Masaki Noda**, Interaction of Molecular Signal in Bone Formation

25th, August, 2007

Session V

8:30 – 10:30

Moderator: Daisuke Inoue, Naoyuki Takahashi

Plenary Lecture III: **Roland Baron**, Osteoblasts, Adipocytes and Brain: More Bone and Less Fat in D *Fos* B Mice

Lecture III **Hiroshi Kawaguchi**, Molecular backgrounds of degenerative skeletal disorders from mouse genetics approach

Communication V: **Yuuki Imai**, Estrogen receptor α mediates the osteoprotective estrogen action by controlling the life cycle of osteoclasts through *Fas* ligand signaling

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Session VI

10:45 – 11:45

Moderator: Toshihisa Komori, Akira Yamaguchi

Lecture IV: **Kyoji Ikeda**, Bone without osteocytes

Communication VI: **Haruhiko Akiyama**, Transcriptional activity of Sox9 regulated by molecular interaction

Session VII

13:30 – 14:50

Moderator: Toshitsugu Sugimoto, Hiroyuki Tanaka

Lecture V: **Takeshi Imamura**, Regulation of TGF- β /BMP signaling in bone and cancer

Communication VII: **Masahiro Abe**, Targeting the bone marrow microenvironment in myeloma

Communication VIII: **Yoshio Katayama**, Neural regulation of osteoblastic niche for hematopoietic stem cells

Session VIII

14:50 – 15:30

Moderator: Sakae Tanaka

Lecture VI: **Hiroshi Takayanagi**, Molecular mechanism of osteoclast differentiation

Presentations

Plenary Lecture: 60min including short discussion

Educative Lecture: 60min including short discussion

Lecture: 40min including short discussion

Communication: 20min including short discussion

Each Presentation should be performed with power point for Windows XP or Macintosh (OS X) in flash memory or presenter's own PC.