

東京医科歯科大学 難治疾患研究所

先端ライフワークショップ 幹細胞の制御と骨

骨と関節の先端的疾患分子医科学

JSPS Core-to-Core Program The First International Workshop on
Advanced Bone and Joint Science(ABJS)

独立行政法人日本学術振興会 先端研究拠点事業 ABJS

21世紀COEプログラム



2007年ABJS

国際シンポジウム・ワークショップ



歯と骨の分子破壊と
再構築のフロンティア
共催

東京医科歯科大学 難治疾患研究所・東京大学・
ハーバード大学・トロント大学・ウィーン分子病理学研究所共同事業

Canadian Arthritis Network Symposium

平成19年10月28日(日)~31日(水)

東京医科歯科大学1号館9階特別講堂

Henry Kronenberg, Harvard University, USA

"Periosteal origin of the first osteoblasts in the primary spongiosa"

Jane Aubin, University of Toronto, Canada

"Leukemia inhibitory factor effects on mesenchymal cell fate choice and osteogenesis"

Masaki Noda, Tokyo Medical and Dental University, Japan

"Microenvironmental regulation of cells in skeletal system"

Nobuyuki Miyasaka, Tokyo Medical and Dental University, Japan

"Treatment Strategies of Rheumatoid Arthritis in Japan; Present and Future"

Michael Underhill, University of British Columbia, Canada

"Delineating the molecular mechanisms underlying chondrogenesis"

Makoto Asashima, University of Tokyo, Japan

"In vitro organogenesis and transplantation in vertebrate development"

Yoichi Nabeshima, Kyoto University, Japan

" α -Klotho: a regulator that integrates calcium homeostasis"

Marius Wernig, Whitehead Institute for Biomedical Research, USA

"Generation of pluripotent stem cells through direct reprogramming of fibroblasts"

"Epigenetics of stem cell differentiation"

Toshio Suda, Keio University, Japan

"Quiescent hematopoietic stem cells in the endosteal niche"

Levent Akyurek, Göteborg University, Sweden

"Filamin B deficiency in mice results in skeletal malformations and impaired microvascular development"

"Filamin A promotes VEGF-A activity through the HIF-1 α -mediated hypoxic response"

Hiroshi Takayanagi, Tokyo Medical and Dental University, Japan

"Molecular mechanism of osteoclast differentiation"

James R. Woodgett, Samuel Lunenfeld Research Institute, Canada

"Genetic analysis of the roles of glycogen synthase kinase-3 in stem cell fate determination and signaling."

"Regulation of nuclear oncogene functions by phosphorylation"

Shigeaki Kato, University of Tokyo, Japan

"Osteoprotective action of sex hormones mediates nuclear sex hormone receptors in osteoclasts"

"A novel signaling pathway of fat-soluble ligands of transcriptional factor-type receptors through target protein degradation"

Konrad Hochedlinger, Center for Cancer Research, USA

"Nuclear reprogramming and pluripotency"

"Epigenetic reprogramming of adult cells by defined transcription factors"

Hiroshi Kawaguchi, University of Tokyo, Japan

"Transcriptional regulation of cartilage degradation during osteoarthritis"

"Bone regeneration by FGF signaling"

Toshihisa Komori, Nagasaki University, Japan

"Regulation of skeletal development and maintenance by Runx2"

Koichi Matsuo, Keio University, Japan

"Regulation of bone metabolism through AP-1target genes"

Shu Takeda, Tokyo Medical and Dental University, Japan

"A new aspect of central control of bone remodeling"

Kenichi Shinomiya, Tokyo Medical and Dental University, Japan

"Fundamental and clinical study of magnetic field potentials of the cervical spinal cord for evaluation of spinal cord function"

William Stanford, University of Toronto, Canada

"Defining the mesenchymal stem cell - clonality and function"

Ung-il Chung, University of Tokyo, Japan

"Development of high-performance implant devices"

Anita Woods, University of Western Ontario, Canada

"Rho signalling pathways in chondrocyte differentiation and function"

ニッチ
幹細胞
骨形成
PTN
GSK3
Runx2
Klf11
FGF
Rho
RA
OA
中樞神経
骨髄系
造血素
骨芽細胞
間葉系幹細胞
器官形成



Bone and Cartilage Diseases

プログラムは一部変更される場合がございます。 シンポジウム専用ホームページ

難治疾患研究所・分子薬理学あて

URL: <http://www.tmd.ac.jp/mri/abjs/>

参加費無料 要・参加申し込み

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