

Start-up Symposium for Innovative Materials Research ***“A Roadmap for Future of Oral Biomaterials”***



July 2nd (Sat), 3rd (Sun), 2011

Organizer: Satoshi Imazato
(Osaka University)

Venue: Yumikura Hall,
Osaka University Graduate School of Dentistry

July 2nd 13:00 ~ 17:30

Session I: Bioactive/Functional materials

Yasuhiro Yoshida (Okayama University)

Phosphopullulan bioadhesive for hard-tissue reconstruction

Ma Sai (Osaka University)

New antibacterial monomers based on quaternary ammonium for resin restoratives

Shuichi Ito (Health Science University of Hokkaido)

Effects of bioactive materials on dentin remineralization

Takayoshi Nakano (Osaka University)

Design of biomaterials based on bone anisotropic microstructure

Session II: Adhesive Dentistry

Hidehiko Sano (Hokkaido University)

Current progress of tooth adhesion: Nano-based approach

Toru Nikaido (Tokyo Medical and Dental University)

A unique interfacial structure, "Super Dentin", created by self-etching technique

Lorenzo Breschi (University of Trieste)

Strategy of MMP inhibition and its relevance to bonding durability

July 3rd 9:15 ~ 12:45

Session III: Students Session

Ranna Yoshikawa (Osaka University)

Development of antibacterial resin-based root canal filling system containing MDPB

Kahoru Takeda (Osaka University)

Development of resin adhesive with FGF-2 releasing property

Hiroyuki Miyajima (Osaka University)

Mechanical environment modulates branching morphogenesis of salivary gland

Sang Hyun An (Osaka University)

ZrO₂/HAP composite scaffold for bone tissue engineering

Session IV: Regenerative Therapy/Tissue Engineering

Masahiro Nishimura (Nagasaki University)

Bone graft materials combined with bone marrow stromal cells for alveolar ridge augmentation

Chiaki Kitamura (Kyushu Dental College)

Induction of local regeneration in pulp and periapical tissues

Yusuke Takahashi (Osaka University)

Analysis of pulpal gene expression for designing pulp capping materials

Takuya Matsumoto (Osaka University)

Cell and tissue manipulation by engineered microenvironment

Registration : Free
Reception : ¥5000

Please register on the website

<http://web.dent.osaka-u.ac.jp/~techno/Welcome.html>

