

Turku Biomaterials Days and JSPS ACF Activity Seminar 2019

Biomaterials in cellular and tissue microenvironments

The topic for this year will provide useful information on materials and techniques at the cellular level for different applications in dentistry and medicine.

24th - 25th of October 2019

Arje Scheinin auditorium, Dentalia
Lemminkäisenkatu 2, Turku, Finland



Thursday October 24th

12.00 – 12.20

Opening remarks

Prof. Pekka Vallittu, Dean Institute of Dentistry, University of Turku, Turku, Finland

12.20 – 12.30

Japan Society for the Promotion of Science (JSPS) Stockholm Office welcome words

Mr. Takao Yoshihara, Deputy Director, JSPS Stockholm Office

12.30 – 13.15

Injectable in-vivo gel forming matrices that acts on endogenous cells to regenerate bone

Prof. Jöns Hilborn, Uppsala University, Sweden

13.15 – 14.00

Printing high cell density hydrogels for micro-tissue formation

Prof. Kenneth Dalgarno, Newcastle University, UK

14.00 – 14.15

Coffee break and poster presentations

14.15 – 15.00

Biomaterials for dentin regeneration

Dr. Adam Celiz, Imperial College London, UK

15.00 – 15.45

Biomechanical implications for tissue-abutment interface BEST quality assessment

Prof. Michael Gasik, Aalto University, Helsinki, Finland

15.45 – 16.30

Nanofibrillar cellulose in controlled drug release formulations

Prof. Timo Laaksonen, Tampere University of Technology, Finland

16.30 – 16.45

Preparation and evaluation of CaCO₃ Ceramics as a new bone augmentation materials

Mr. Kohei Kishi, Shiraishi Central Laboratories Co., LTD

16.45

Get-together reception

Organizers:

BioCity Turku Biomaterials and Medical Device
Research Program, Turku Science Park Ltd and
JSPS Alumni Club in Finland, JSPS Stockholm Office

Friday October 25th

9.00 – 9.45

Nano hybrid of calcium phosphates for dental applications; its morphology and reactivity improvements

Prof. Masamoto Tafu, National Institute of Technology, Toyama College, Japan

9.45 – 10.30

Chemical and topographical modification of materials surface to add biofunctions

Prof. Takao Hanawa, Tokyo Medical and Dental University, Tokyo, Japan

10.30 – 11.15

Could lab-grown teeth replace dental prostheses?

Dr. Anamaria Balic, University of Helsinki, Helsinki, Finland

11.15 – 11.30

Coffee break

11.30 – 12:15

Presentations PhD candidates

11.30 – 11.45: Fluorapatite nano-hybridization for reactivity improvement of calcium phosphate (DCPD) and fluoride ions

Ms. Natsuki Okajima, National Institute of Technology, Toyama College, Japan

11.45 – 12.00: Evaluation of the mechanical properties of fiber-reinforced implant overdenture

Dr. Mona Gibreel, Turku Clinical Biomaterials Centre-TCBC, University of Turku, Turku, Finland

12.00 – 12.15: TBA

12.15

Closing remarks

Pekka Vallittu

Registration at https://www.lyyti.in/turku_biomaterials_days_2019 by October 15th.

Welcome!