

## Turku Biomaterials Days and JSPS ACF Activity Seminar 2019

Biomaterials in cellular and tissue microenvironments

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

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24<sup>th</sup> - 25<sup>th</sup> 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 for controlled drug delivery

Prof. Timo Laaksonen, Tampere University of Technology, Finland

16.30 – 16.45

#### Preparation and evaluation of CaCO<sub>3</sub> 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: TBA

11.45 – 12.00: TBA

12.00 – 12.15: TBA

**12.15**

**Closing remarks**

Pekka Vallittu

**Registration at** [https://www.lyyti.in/turku\\_biomaterials\\_days\\_2019](https://www.lyyti.in/turku_biomaterials_days_2019)  
by October 15<sup>th</sup>.

**Welcome!**