

## Turku Biomaterials Days 2024

### Nanomaterials for Biomedical Applications

*The topic for this year will provide useful information on the latest developments and applications of nanomaterials a cross healthcare industry and science*

24<sup>th</sup>- 25<sup>th</sup> of October 2024 (Mauno Koivisto centre in BioCity/ Presidentti auditorium)



#### Thursday October 24<sup>th</sup>

11.45 – 12.00

#### Registration

12.00 – 12.10

#### Opening remarks

**Prof. Pekka Vallittu**

12.10 – 12.50

**Dr. Erkkä Frankberg (Tampere University, Finland)**

Ductile glass at room temperature and high strain rates

12.50 – 13.30

**Prof. Xu Zhang (Jiangsu University, China)**

Exosomes in cancer diagnosis and therapy

13.30 – 14.00

**Dr. Arto Hiltunen (University of Turku, Finland)**

Nanoplastic pollution in the environment

14.00-14.30

#### Poster Session and Coffee Break

14.30-15.10

**Prof. Min Zhou (Zhejiang University, China)**

Microalgae-Based Drug Delivery System

15.10-15.40

**Dr. Shiqi Wang (University of Helsinki, Finland)**

Polysaccharide-conjugated amphiphilic polymers for intracellular drug delivery

15.40 – 16.10

**Dr. Vimalkumar Balasubramanian/ Bayer Oy**

Nanoparticles in medicine: Evolution or revolution?

16.10-16.15

#### Closing remarks

16.30

**Get-together Reception with Live Music and Gala Dinner (Joki Cave)**

## Friday October 25<sup>th</sup>

9.00 – 9.40

**Dr. Cindy Elschner (Institute Polymer Materials, Germany)**

Sustainable composites based on hydrolytically active glass fibres and bio-based coatings for medical and technical applications

9.40 – 10.20

**Prof. Gianluca Turco (University of Trieste, Italy)**

Nanostructured biomaterials: the role of roughness in promoting osteointegration

10.20 – 10.50

**Poster Session and Coffee Break**

10.50 – 11.30

**Prof. Gilles Subra (University of Montpellier, France)**

Marrying sol-gel and peptide chemistry to design bioactive materials

11.30 – 12.00

**Dr. Sybil Obuobi (The Arctic University of Tromsø, Norway)**

Tailoring drug delivery and antimicrobial properties: The role of nucleic acid nanostructure design

12.00

**Closing remarks**

**Registration at:**

<https://konsta.utu.fi/Default.aspx?tabid=88&tap=19877>

**Welcome!**