

Turku Biomaterials Days 2015

Composite – A Material for Biomaterial Devices of Today and Tomorrow

Date: Wednesday October 28th and Thursday, October 29th 2015

Organizers: BioCity Turku Biomaterials Research Program and Turku Science Park

Venue: DataCity Auditorium (Restaurant Alabama, Lemminkäisenkatu 14-18 B, Turku, Finland)

WEDNESDAY October 28th, 2015

Scientific INDO-FINNISH Seminar of Bioactive Materials

13.00

Opening of the Turku Biomaterial Day 2015

Professor Pekka Vallittu, University of Turku, Finland

13.10

Hierarchically designed bioactive glassy composite coatings for faster and uniform growth of apatite

Dr. Goutam De, CSIR – Central Glass & Ceramic Research Institute, India

13.40

Size-tailored Gold nanoparticles: Novel therapeutic agents as electroactuators to guide stem cell differentiation and to inhibit prosthetic infection

Professor Bikramjit Basu, Biomaterials and Engineering Ceramics, Materials Research Center, Indian Institute of Science, Bangalore, India

14.10

Nanoscale Metal Particles and Polymer Composites for Theranostic Applications

Professor Arun Chattopadhyay, Dept. of Chemistry & Centre for Nanotechnology, Indian Institute of Technology Guwahati, Assam, India

14.40

Coffee

15.00

Protein nanoparticle interaction, biological application and toxicity: surface coating holds the key

Dr. Krishnananda Chattopadhyay, Indian Institute of Chemical Biology, Jadavpur, Kolkata, India

15.30

Metal and ceramic composites for potential implant applications

Dr. Vamsi Krishna Balla, Senior Principal Scientist Bioceramics & Coating Division, CSIR-Central Glass & Ceramic Research Institute, Kalkuta, India

16.00

Speciality bioactive ceramic materials for clinical applications

Dr. Harikrishna Varma, Sree Chitra Tirunal Institute Medical Sciences and Technology – SCTIMSTY, Trivandrum, India

16.30

Ion release from bioactive glasses

Docent Leena Hupa, Department of Inorganic Chemistry, Åbo Akademi University, Turku, Finland

17.00

Bioactive components of composite implants

Professor Pekka Vallittu, Department of Biomaterials Science, University of Turku, Turku, Finland

17.20

Discussion

17.30

Cocktail and buffet dinner

THURSDAY October 29th

Chairperson: Professor Pekka Vallittu

09.00

Opening of the day

Professor Pekka Vallittu, University of Turku, Finland

09.15

Nanocomposites for bio-related applications

Dr. Goutam De, CSIR – Central Glass & Ceramic Research Institute, India

10.00

Drug releasing composites: Silica composite formulations in controlled drug delivery

Docent Mika Jokinen, University of Applied Sciences, Turku, Finland

10.45

Coffee

11.00

Structural composites: Bioactive fiber reinforced composite implants

Dr. Angela Brentrup, University Hospital of Munster, Munster, Germany

11.45

Structural composites: Dental composites and constructions

Associate Professor Filip Keulemans, University of Ghent, Belgium

12.30

Discussion and Ending of the Days

12.45

Press Conference and Speaker's Lunch