

A THREE-DAYS INTENSIVE COURSE ON "INTERFACE BIOLOGY AND ULTRASTRUCTURE" SUCCESSFULLY COMPLETED IN COLLABORATION WITH THE OSTEOLGY RESEARCH FOUNDATION

Eight international participants from top-world universities and clinics took part in the three-days course entitled "Interface biology and ultrastructure" at the Department of Biomaterials.

Lectures and hands-on workshops provided an overview on biomaterials and bone tissue regeneration as well as associated characterisation techniques and experimental models.

As part of the course, which took place 16 – 18 May, 2018, participants received multidisciplinary lectures and interactive modules, covering:

- Biomaterials in oral and maxillofacial applications
- Inflammation, tissue regeneration & remodelling at tissue-implant interface
- Characterization of biomaterial properties
- Structural and molecular aspects of bone regenerative procedures
- Animal models and analytical techniques for biomaterials research
- Osseointegration and bone regenerative procedures in dentistry – Clinical perspectives

The course involved multiple interactive discussions with a great spirit among the participants. This created an inspiring environment for learning and sharing knowledge and expertise on the tissue-biomaterial interface, from the molecular mechanistic level and up-to the clinical applications in patients and the outcomes.

Moreover, the course included practical workshops on advanced analytical techniques in the tissue-biomaterial interface research:

- Extensive hands-on training in small-size classes of 2-3 participants
- Workshop on molecular biological techniques (RT-qPCR)
- Workshop on electron microscopies (SEM and TEM)

The participants were from the Tufts University & University of Detroit Mercy (USA), The University of Milan (Italy), Uppsala University and University of Gothenburg (Sweden) and Goethe University and the University Clinic of Düsseldorf (Germany). The course also provided casual atmosphere and networking events for potential future collaborations.

The course is part of the international collaboration between the department of Biomaterials, University of Gothenburg (represented by Assoc Prof Omar Omar, Organizer and Scientific Chairman & Prof Christer Dahlin, Chairman) and the Osteology Foundation/Osteology Research Academy, Switzerland (Represented by Dr. Benjamin Müller, Education Coordinator), aiming to promote research, education and collaboration between international researchers and universities.