

OSTEOLOGY RESEARCH ACADEMY GOTHENBURG

2022

PROGRAMME

11–13 May /
“Interface Biology and Ultrastructure”

Chaired by:
Christer Dahlin, Sweden
Anders Palmquist, Sweden
Margarita Trobos, Sweden



WEDNESDAY /

11 May 2022

- 08:30 – 09:00 Welcome and course introduction (Osteology & Participants)
Christer Dahlin, Anders Palmquist, Margarita Trobos
- 09:00 – 10:00 Biomaterials in oral and maxillofacial applications
(classifications, requirements, pitfalls & biocompatibility)
Anders Palmquist
- 10:00 – 10:30 COFFEE BREAK
- 10:30 – 12:00 Inflammation, tissue regeneration & remodeling at tissue-implant interfaces
Peter Thomsen
- 12:00 – 13:15 LUNCH
- 13:15 – 16:15 **WORKSHOP 1**
qPCR: Sample homogenisation and RNA extraction (Group 1)
Anna Johansson
- WORKSHOP 2**
qPCR: cDNA synthesis and RNA quality analysis (Group 2)
Rininta Firdaus
- WORKSHOP 3**
Electron microscopy: BS-SEM of bone-implant interface (Group 3)
Anders Palmquist
- 16:15 – 16:30 Wrap-up of course day (Q&A)
Anna Johansson, Rininta Firdaus, Anders Palmquist
- 16:30 – 17:30 Tips for a successful academic career in dentistry
Tomas Albrektsson
- 18:00 – 21:00 WELCOME RECEPTION

THURSDAY /

12 May 2022

- 08:30 – 09:30 Characterisation of biomaterial properties and the ultrastructure of bone-implant interfaces
Anders Palmquist
- 09:30 – 11:00 Micro-Raman spectroscopy
Furqan Ali Shah
- 11:00 – 11:30 COFFEE BREAK
- 11:30 – 12:15 Pathogenesis of biomaterial-associated infections
Margarita Trobos
- 12:15 – 13:30 LUNCH
- 13:30 – 14:15 Models of biomaterial-associated infections
Margarita Trobos
- 14:15 – 17:15 **WORKSHOP 1**
qPCR: Sample homogenisation and RNA extraction (Group 2)
Anna Johansson
- WORKSHOP 2**
qPCR: cDNA synthesis and RNA quality analysis (Group 3)
Rininta Firdaus
- WORKSHOP 3**
Electron microscopy: BS-SEM of bone-implant interface (Group 1)
Anders Palmquist
- 17:15 – 17:30 Wrap-up of course day (Q&A)
Anna Johansson, Rininta Firdaus, Anders Palmquist, Margarita Trobos
- 18:00 – 21:00 TEAM DINNER

FRIDAY /

13 May 2022

- 08:30 – 09:30 Animal models and analytical techniques for biomaterials research in the field of oral tissue regeneration
Furqan Ali Shah
- 09:30 – 12:00 **WORKSHOP 1**
qPCR: Sample homogenisation and RNA extraction (Group 3)
Anna Johansson
- WORKSHOP 2**
qPCR: cDNA synthesis and RNA quality analysis (Group 1)
Rininta Firdaus
- WORKSHOP 3**
Electron microscopy: BS-SEM of bone-implant interface (Group 2)
Anders Palmquist
- 12:00 – 13:15 LUNCH
- 13:15 – 14:45 The role of epigenetics functionalisation in implants and biomaterials
Farah Asa'ad
- 14:45 – 15:15 COFFEE BREAK
- 15:15 – 16:15 Osseointegration and bone regenerative procedures in dentistry (bone augmentation and GBR) – clinical perspectives
Christer Dahlin
- 16:15 – 16:30 Closing of the course
Christer Dahlin, Anders Palmquist, Margarita Trobos

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