

BIOREMIA Open Science Workshop

Implant-related infections: clinical and translational aspects, biofilm pathogenesis and osseointegration

4 & 7-8. June 2021 (online, CEST)

Program

LOCATION

Online event
- via ZOOM -

ORGANISERS

BIOREMIA ETN project
<https://www.bioremia.eu/>
Event organised by: Anders Palmquist, Margarita Trobos
University of Gothenburg, Sweden

FUNDING

This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska - Curie grant agreement No. 861046.



3 June

Thursday

18:00 – 21:00 (CEST) Welcome reception (optional) *Adam Turner and Paula Giraldo (UGOT, SE)*

4 June

Friday

10:00 (CEST) Opening the virtual room & technical check

11:00 Welcome address & Introduction to the Workshop *Mariana Calin (BIOREMIA Coordinator)
Anders Palmquist (Workshop organiser)*

11:15 UGOT and Gothenburg – historical perspective and current *Anders Palmquist (UGOT, SE)*

BIOFILM Theme (I)

Moderator: Tadhg Ó Cróinín (UCD, IE)

Invited Talks

*Invited speakers**

11:45 Biofilm characterization and analysis *Margarita Trobos (UGOT, SE)*

12:15 Lab demonstration *Adam Turner and Paula Giraldo (UGOT, SE)*

12:30 Questions and wrap up

12:45 Lunch break

Moderator: Annett Gebert (IFW, DE)

14:30 ESR poster sessions, and rapid-fire presentation (8 min/ESR) *ESRs 1-5*

15:15 Coffee break

BIOFILM Theme (II)

Moderator: Margarita Trobos (UGOT, SE)

Invited Talks

*Invited speakers**

15:30 Preclinical *in vivo* testing of antimicrobial strategies *Sebastian Zaat (University of Amsterdam, NL)*

16:00 Biofilm prevention and control strategies *James Bryers (University of Washington, USA)*

16:30 Questions and wrap up

16:45 ESR social time on topic *Fun in Gothenburg* *Moderators: A. Turner, P. Giraldo (UGOT, SE)*

7 June

Monday

10:15 Opening the virtual room & technical check	
10:45 Virtual lab tour	A. Palmquist, M. Trobos (UGOT, SE)
OSSEOINTEGRATION Theme (I)	
<i>Moderator: Carme Nogués (UAB, ES)</i>	
<i>Invited Talks</i>	<i>Invited speakers*</i>
11:00 Osseointegration in the past and today	Tomas Albrektsson (UGOT, SE)
11.30 Cellular mechanisms of osseointegration	Omar Omar (UGOT, SE)
12:00 Questions and wrap up	
12:15 Lunch break	
OSSEOINTEGRATION Theme (II)	
<i>Moderator: Nicolas Courtois (Anthogyr, FR)</i>	
<i>Invited Talks</i>	<i>Invited speakers*</i>
13:30 Structural and mechanical aspects	Anders Palmquist (UGOT, SE)
14:00 Clinical applications of osseointegration	Peter Thomsen (UGOT, SE)
14:30 Questions and wrap up	
14:45 Coffee break	
<i>Moderator: Christina Lekka (UOI, GR)</i>	
15:00 ESR poster sessions, and rapid-fire presentation (8 min/ESR)	ESRs 6-10
15:45 Network dissemination session	Anne Hönemann (IFW, DE)
16:00 Management board meeting	Mariana Calin, Anne Hönemann (IFW, DE)

8 June

Tuesday

09:45 Opening the virtual room & technical check	
<i>Moderator: Florian Spieckermann (MUL, AT)</i>	
10:15 ESR poster sessions, and rapid-fire presentation (8 min/ESR)	<i>ESRs 11-15</i>
CLINICAL AND TRANSLATIONAL ASPECTS (I)	
<i>Moderator: Anders Palmquist (UGOT, SE)</i>	
<i>Invited Talks</i>	<i>Invited speakers*</i>
11:00 Research ethics in translational research	<i>Björn Rydevik (UGOT, SE)</i>
11.30 From idea to clinic	<i>Martin Johansson (Oticon Medical AB, SE)</i>
12:00 Questions and wrap up	
12:15 Lunch break	
CLINICAL AND TRANSLATIONAL ASPECTS (II)	
<i>Moderator: Charles James Kirkpatrick (Johannes Gutenberg University Mainz, DE)</i>	
<i>Invited Talks</i>	<i>Invited speakers*</i>
13:30 The story of guided bone regeneration	<i>Christer Dahlin (UGOT & VGR, SE)</i>
14:00 Register based research and clinical follow-up	<i>Ola Rolfsson (UGOT & VGR, SE)</i>
14:30 Treatment of periprosthetic joint infections – Current practice and potential improvements	<i>Jonatan Tillander (VGR, SE)</i>
15:00 Questions and wrap up	
15:20 Final remarks & End of workshop	<i>A. Palmquist, M. Trobos (Workshop organisers)</i>

Open sessions:

- **Friday 4. June** → two sessions on **BIOFILM: 11:00 – 12:45 and 15:30 – 16:45**
- **Monday 7. June** → two sessions on **OSSEOINTEGRATION: 11:00 – 12:15 and 13:30 – 14:45**
- **Tuesday 8. June** → two sessions on **CLINICAL AND TRANSLATIONAL ASPECTS: 11:00 – 12:15 and 13:30 – 15:20.**

*Further Information	
<i>Margarita Trobos</i>	Associate Professor of Biomaterials, Research group leader on biomaterial-associated infections, Department of Biomaterials, Sahlgrenska Academy, University of Gothenburg, Sweden
<i>Sebastian Zaat</i>	Professor, Department of Medical Microbiology, Academic Medical Center (AMC), University of Amsterdam, The Netherlands
<i>James Bryers</i>	Professor of Chemical Engineering, Department of Bioengineering, University of Washington, USA
<i>Tomas Albrektsson</i>	Professor Emeritus of Biomaterials, Department of Biomaterials, Sahlgrenska Academy, University of Gothenburg, and Senior Professor at Department of Odontology, Malmö University, Sweden
<i>Omar Omar</i>	Associate Professor of Biomaterials, Department of Biomaterials, University of Gothenburg, Sweden and Department of Biomedical Dental Sciences, College of Dentistry, Imam Abdulrahman bin Faisal University, Dammam, Saudi Arabia
<i>Anders Palmquist</i>	Associate Professor of Biomaterials, Research group leader on structure and biomechanics of osseointegration, Department of Biomaterials, Sahlgrenska Academy, University of Gothenburg, Sweden
<i>Peter Thomsen</i>	Professor of Biomaterials, FBSE, Head of Department, Research group leader in cell-material interactions, Department of Biomaterials, Sahlgrenska Academy, University of Gothenburg, Sweden
<i>Björn Rydevik</i>	Professor Emeritus of Orthopaedics, Chairman of Council for Research Ethics at Sahlgrenska Academy, Department of Orthopaedics, University of Gothenburg, Sweden
<i>Martin Johansson</i>	PhD in Biomaterials, Senior Translational Research Manager, Research & Technology, Oticon Medical, Sweden
<i>Christer Dahlin</i>	Professor of Oral Surgery and Guided Tissue Regeneration, Department of Biomaterials, University of Gothenburg, Specialist in Oral and Maxillofacial Surgery, Näl Hospital, Sweden
<i>Ola Rolfsson</i>	Professor of Orthopaedics, Chief Physician, Head of Department of Orthopaedics, Sahlgrenska Academy, University of Gothenburg, Director of the Swedish Hip Arthroplasty Register, Sweden
<i>Jonatan Tillander</i>	PhD in Infection, Chief Physician, Department of Infectious Diseases, Sahlgrenska University Hospital, Sweden