

AIMed  
ECerS  
WINTER  
SCHOOL



## Emerging antimicrobial biomaterials for orthopaedic applications

22-23 FEBRUARY 2023 • HOTEL ACADEMIA ZAGREB • CROATIA



### PROGRAMME

#### Day 1 - Wednesday 22<sup>nd</sup> February 2023

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8:30-9:00: Welcome-Opening

#### Session 1 Processing of biomaterials and functionalisation

9:00 **Prof. Anne Leriche, Polytechnic University Hauts-de-France, France**  
Classical fabrication methods for ceramic materials

10:00 **Prof. Hanshan Dong, University of Birmingham, UK**  
Surface functionalisation of biomaterials

11:00 **Coffee Break**

11:30 **Dr Stephen Gray, Ourobionics, UK**  
3D printing principles

12:30 **Lunch**

#### Session 2 Antimicrobial biomaterials and testing

14:00 **Prof. Fernando Albericio, University of Barcelona, Spain and University of KwaZulu-Natal, South Africa**  
Synthesis of antimicrobial peptides

15:00 **Prof. Maria-Helena Fernandez, University of Porto, Portugal**  
Antimicrobial testing of biomaterials

16:00 **Coffee Break**

#### Session 3 Advanced characterisation methods

16:30 **Prof. Silke Christiansen, IKTS, Germany**  
Advanced imaging of biomaterials

17:30 **Poster Session 1**

20:00 **School Dinner**

## Day 2 - Thursday 23<sup>rd</sup> February 2023

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### Session 4    **Advanced characterisation methods**

9:00            **Prof. Akis Agathopoulos, University of Ioannina, Greece**  
Mechanical properties of biomaterials

### Session 5    **Post-production treatments**

10:00          **Prof. Sophie Cazalbou, Universite Paul Sabatier Toulouse I, France**  
Biomaterials and sterilisation

**11:00          Coffee Break**

### Session 6    **Topics on standardisation of materials and medical devices**

11:30          **Prof. David Grossin, Institut National Polytechnique de Toulouse, France**  
Standardisation of medical devices

**12:30          Lunch**

### Session 7    **Data Treatment**

14:00          ***To be confirmed***  
Statistics and data analysis

### Session 8    **Soft skills**

15:00          **Prof. Elina Meliou, Brunel University, UK**  
Equality and diversity

**16:00          Coffee Break**

16:30          **Dr. sc. Bojan Macan, Ruđer Bošković Institute, Croatia**  
Dissemination and open access

**17:30          Poster Session 2**

**19:00          Closing ceremony**

### Venue

**Hotel Academia**

Ul. Ivana Tkalčića 88

10000 Zagreb

Croatia

<https://www.hotelacademia.hr/en/>