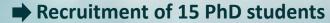


# **BIOfilm-REsistant Materials for hard tissue Implant Applications**

**BIOREMIA – H2020 MSCA European Training Network** 

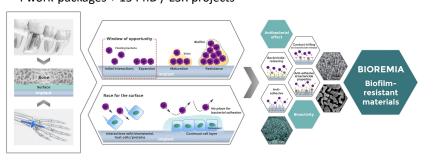
Implant-associated infections caused by bacterial biofilms are a major cause of implant rejection. The key idea behind this project is to inhibit microbial biofilm formation by fabricating novel biomaterials and surfaces with enhanced antimicrobial device functionality that will result in improved biological acceptance of hard tissue implants.

BIOREMIA has the primary goal of training a pool of young researchers in the emerging area of biofilm-resistant biomaterials and coatings for bone-related implant applications.

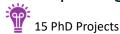


# Research

• 4 work-packages + 15 PhD / ESR projects



# Work-packages





15 Early Stage Researchers (ESRs/PhD st.)

WP 1: Material design & Innovative processing

WP 2: In-depth characterisation of materials

WP 3: Biocompatibility & Bacterial testing

WP 4: Gateway to industry

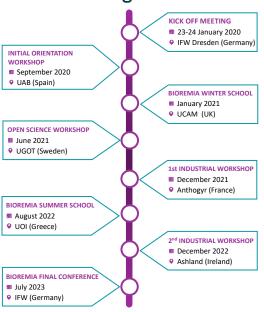
WP 5: Training

WP 6: Dissemination & Outreach

WP 7: Network management & IPR

WP 8: Ethics requirements

# **Training Events**



## BIOREMIA Network

#### 11 Beneficiaries



IFW Dresden (IFW) - Germany M. Calin, A. Gebert, T. Gemming, U. Kühn



Montanuniversität Leoben (MUL) - Austria J. Eckert, F. Spiekermann, B. Sarac



University of Ioannina (UOI) - Greece



Goeteborgs Universitet (UGOT) - Sweden



A. Palmquist, M. Trobos



University of Cambridge (UCAM) - UK S. Best, R. Cameron, L. Greer



Universitat Autonoma de Barcelona (UAB) - Spain J. Sort, E. Pellicer, M.D. Baro, C. Nogués, J. Fornell



Università degli Studi di Torino (UNITO) - Italy P. Rizzi . F. Turci



PX Services SA (PXS) – Switzerland

A. Blatter

N. Courtois

\$\frac{1}{2} \Ashland \text{B9.} Ashland Specialties Ireland Ltd (Ashland) – Ireland



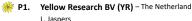
Stryker\* B11. Stryker Trauma GmbH (Stryker) - Germany

R. Büscher, R. Schwanbeck

### 17 organisations located in 12 countries

### **6 Partner Organisations**







Technische Universität Dresden (TUD) – Germany



University Clinics of Giessen & Marburg (UKGM) - Germany C. Heiß, K. Lips



University College Dublin (UCD) - Ireland



Yale University (Yale) - USA U. Schwarz, J. Schroers

INSA Lyon (INSA) - France D. Fabregue, J. Chevalier

### **External Advisory Board**

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