

14 GROWTH OF SMEs THROUGH EU PROJECTS

AFTERNOON

- 14:30 **Welcome address from the European Commission**
MATTEO BONAZZI - InnovaBone Programme Officer
- 14:45 **Introduction to InnovaBone**
OSKAR HOFFMANN - University of Vienna
- 15:00 **TETRA: a know-how-intensive technology company growing fast thanks to InnovaBone**
JÖRG MÄMPEL - TETRA GmbH (InnovaBone partner)
- 15:20 **Bridging the gap between advanced research and medical device industry**
WILLIBRORD DRIESSEN - Qserve Consultancy BV (InnovaBone partner)
- 15:40 **NetScience: a case study of how European funding allows to create tools for a smooth running of scientific experiments**
NOEMI BARUCH - Promoscience srl (InnovaBone partner)
- 16:00 *Coffee break*
- 16:30 **Clustering, training and networking: participative methodologies to support innovative discussions among researchers in Europe**
LAURA VIVANI - Moverim sprl (InnovaBone partner)
- 16:50 **Horizon 2020 - SME instrument: offering business innovation support**
MARCO RUBINATO - EASME
- 17:10 **Collaborations between SMEs and academic institutes within EU funded projects: IP and exploitation**
OLIVIER LESCROART - IPR expert from Entente project
- 17:30 **Role of NCPs and Enterprise European Network in supporting competitiveness of SMEs in Europe**
SARAH VAN HAELST - NCP Brussels
- 17:50 **Discussion and closing remarks**
- 18:20 **Meeting adjourned**



A TWO-DAY CONFERENCE OF THE EU FUNDED PROJECT INNOVABONE

You are invited to join the conference to share ideas and learn about the latest results on bone regeneration from the InnovaBone teams.

Conference attendees will include scientists, patient associations, health professionals, policy makers, industrial players and citizens.

Come and explore how to position InnovaBone into future orthopedic practice, ensuring better healing solutions and maximizing business opportunities.

HOW AND WHEN TO REGISTER

Attendance is free of charge, but subject to availability. Acceptance of attendants will be on a first-come, first-serve basis.

REGISTER AT
conference.innovabone.eu

VENUE

UNIVERSITY FOUNDATION
Egmontstraat 11 rue d'Egmont - 1000 Brussels

PROJECT COORDINATOR

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BIOMATERIALS FOR BONE REGENERATION

CLINICAL NEEDS & SCIENTIFIC ADVANCEMENTS
IN REGENERATIVE MEDICINE

BRUSSELS
October 14-15th, 2015



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14 BUILDING BRIDGES FROM BENCH TO CLINIC

MORNING

- 09:30 **Welcome address from the European Commission**
- 09:45 **From bone to InnovaBone**
OSKAR HOFFMANN - University of Vienna, Department of Pharmacology and Toxicology
- 10:00 **Biomaterials development for orthopaedic applications: coatings, microspheres, composites and scaffolds**
DAVID GRANT - University of Nottingham, Department of Mechanical, Materials and Manufacturing Engineering
- 10:30 **Engaging patients in EU policies and priorities**
NEIL BETTERIDGE - EULAR Liaison Officer for International Organisations and Public Affairs
- 11:00 *Coffee break*
- 11:30 **What your orthopaedic and trauma surgeon can do for your bone defects: current concepts in the OR**
RAINER KLUGER - Sozialmedizinisches Zentrum Ost – Donauespital, Vienna
- 11:50 **Major trends and networking in the EU Materials R&D community: the Alliance for Materials (A4M)**
MARCO FALZETTI - Steering Committee Chairman of EuMaT - European Technology Platform for Advanced Engineering
- 12:10 **Discussion and closing remarks**
- 12:45 **Meeting adjourned**

15 SHARING THE ACHIEVEMENTS OF INNOVABONE BIOMIMETIC STRATEGY

WHOLE DAY

- 09:00 **Welcome**
OSKAR HOFFMANN - Coordinator - University of Vienna
- 09:10 **Introduction**
MATTEO BONAZZI - InnovaBone Programme Officer
- 09:20 **New developments in bone regeneration**
RAINER KLUGER - Sozialmedizinisches Zentrum Ost – Donauespital, Vienna
- 09:50 **Hierarchically organized porous devices for bone tissue engineering**
JOÃO MANO - Universidade do Minho

MATERIALS SESSION

- 10:20 **Elastin-Like Recombinamers for injectable ECM analogs**
CARLOS RODRÍGUEZ-CABELLO - Universidad de Valladolid
- 10:40 **Tailoring cell interaction through ion doping of hydroxyapatite nanoparticles**
MONTSERRAT ESPANOL - Universitat Politècnica de Catalunya
- 11:00 *Coffee break*
- 11:30 **Application of 2-Photon-Polymerization (2PP) for the establishment of biocompatible LCM-scaffolds for tissue engineering**
NICOLE HAUPTMANN - IBA - Institut für Bioprozess- und Analysenmesstechnik e.V.
- 11:50 **Industrial production of high resolution scaffolds utilizing 2-Photon-Polymerization**
JÖRG MÄMPEL - TETRA GmbH
- 12:10 **In vitro degradation and cytocompatibility of photopolymerised poly(lactide-co-caprolactone) scaffolds**
DAVID GRANT - University of Nottingham

IN VITRO SESSION

- 12:30 **Investigation of the InnovaBone product with primary human cells**
DAVID SHEPHERD - University of Cambridge

- 12:50 **A bioreactor to model 3D bone repair**
MARTHA LILEY - CSEM

13:10 *Lunch*

- 14:20 **In vitro platforms for testing smart scaffold materials, bioactive ELR-gels and hydroxyapatite nanoparticles on bone regeneration**
CARINA KAMPLEITNER - University of Vienna

IN VIVO SESSION

- 14:40 **In vivo platforms for testing smart scaffold materials, bioactive ELR-gels and hydroxyapatite nanoparticles on bone regeneration**
OSKAR HOFFMANN - University of Vienna
- 14:50 **Evaluating foreign body reactions to biomaterials**
KATAYOON CHANGI - Medical University of Vienna
- 15:10 **Imaging of bone regeneration and inflammation of mice with calvarial implants**
ANDREA MARKUS - University Medical Center Göttingen
- 15:30 *Coffee Break*
- 16:00 **Bone regeneration using stem cells and biomaterials**
PIERRE LAYROLLE - University of Nantes
- 16:30 **Benefits of medical device regulations in applied research**
WILLIBRORD DRIESSEN - Qserve Consultancy BV
- 16:50 **Panel discussion: "Bone Biomaterial Strategies"**
SERENA BEST, MARIA PAU GINEBRA, DAVID GRANT, OSKAR HOFFMANN, PIERRE LAYROLLE, CARLOS RODRÍGUEZ-CABELLO
- 17:30 **Meeting adjourned**