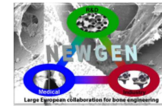




UNIVERSITY OF AVEIRO

COST Action MP1301 – NEWGEN



Workshop

*“Interactions between materials and host tissues”*

Mechanical Engineering Department, University of Aveiro's Campus, Aveiro, Portugal

**Day 1 – 17 March**

**Workshop**

**14.30 – Registration of the participants in the workshop**

**15.00 – Welcome – Prof. Doutor José Fernando F. Mendes, Vice-Rector UA**

**15.15 – Introduction – Francis Cambier (Chair of NEWGEN)**

**15.30 – Invited Talk – Michaël Gasik (Aalto University – FI)**

*Biomaterials enhanced simulation test as alternative towards true 1R implementation*

**16.15 – 16.45 - Coffee Break**

**16.45 – STSM Presentation – Monika Furko (Bay Zoltan Institute – HU)**

*Investigation of biocompatibility and toxicity properties of modified calcium phosphate coating*

**17.00 – STSM Presentation – Stella Aslanoglou (FORTH – GR)**

*Silicon Micro-Conical Tips for Gene Delivery*

**18.00 – Moliceiro Tour**

**20.00 – Workshop Dinner**

## **Day 2 – 18 March**

**09.00 – Registration**

**09.15 – Invited Talk – João F. Mano (University of Minho – PT)**

*Closed and open scaffolds for bone regeneration*

**10.00 – STSM Presentation – Tess Geever (Athlone Institute of Technology – IE)**

*Synthesis and characterisation of hydrogel/bioceramic composites for bone regeneration applications*

**10.15 – STSM Presentation – Davide Porrelli (University of Trieste – IT)**

*In-vivo study of injectable nanocomposite bone filler based on metal nanoparticles and biopolymers*

**10.30 – 11.00 – Coffee break**

**11.00 – Invited Talk – Pedro Granja (INEB – PT)**

*Advanced bioengineering strategies using cellularized hydrogels*

**11.45 – STSM Presentation – Massimiliano Dapporto (ISTEC – IT)**

*Preparation of complex-shape calcium phosphate structures using pH-responsive particles and robocasting*

**12.00 – 14.00 – Lunch**

**14.00 – 14.45 – Posters Session**

**14.45 – Invited Talk – Gianluca Vadalà ( University of Rome)**

*Intervertebral disc regeneration obtained through a bone tunneling approach*

**15.30 – Invited Talk – Gintaras Juodzbalys (Lithuanian Univ. of Health Sciences)**

*Jaw bone regeneration – current status*

**16.15 – 16.45 – Coffee break**

**16.45 – WGs Meeting**