



MARINHA GRANDE | PORTUGAL

8/9 . FEV . 2012

# 2ND ADVANCED COURSE ON REGENERATIVE MEDICINE

The 2nd Advanced Course on Regenerative Medicine is organized by the Centre for Rapid and Sustainable Product Development (CDRSP). The aim of the course is to illustrate the state-of-the-art regarding the principles and methodologies associated with Regenerative Medicine. The course joins a unique group of worldwide renowned experts with the aim of contributing for the exchange of the scientific knowledge on cells, biomaterials and strategies for tissue regeneration. Attendees will also have the opportunity discuss ideas directly with the invited speakers.

## FEV . 8

- 8.45h **Opening Ceremony**  
Prof. Paulo Bártolo | CDRsp, Portugal
- 9.00h **Biofabrication strategies for tissue engineering.**  
Prof. Paulo Bártolo | CDRsp, Portugal
- 10.30h Coffee Break
- 11.00h **Is it possible to construct an optimal scaffold for Regenerative Medicine applications.**  
Prof. Vozzi | University of Pisa, Pisa, Italy
- 12.30h Lunch
- 13.30h **Multiscale computational modeling in tissue regeneration: from organ to cell cytoskeleton.**  
Prof. Manuel Garcia-Aznar | University of Zaragoza, Zaragoza, Spain
- 15.00h **Building tissues and organs as the embryo does.**  
Prof. Gabor Forgacs | University of Missouri-Columbia, USA
- 16.30h Coffee Break
- 17.00h to 18.00h Open Discussion Pannel

## FEV . 9

- 9.00h **Plasma Treatment of Polymers for Tissue Engineering.**  
Prof. Riccardo d'Agostino | University of Bari, Bari, Italy
- 10.30h Coffee Break
- 11.00h **Biofunctional hydrogels for cell entrapment and delivery.**  
Prof. Pedro Granja | INEB, Porto, Portugal
- 12.30h Lunch
- 13.30h **Biofabrication of 3D tissues by Laser-Assisted Bioprinting: Promises and Challenges.**  
Prof. Fabien Guillemot | National Institute for Health and Medical Research, Bordeaux, France
- 15.00h **Controlling and evaluating molecular organisation in biomanufacturing.**  
Prof. Geoffrey Mitchell | CDRSP, Portugal
- 16.30h Coffee Break
- 17.00h to 18.00h Open Discussion Pannel



**IPL**

cdrsp - centre for rapid  
and sustainable  
product development  
polytechnic institute  
of leiria

**FCT**

Fundação para a Ciência e a Tecnologia  
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR