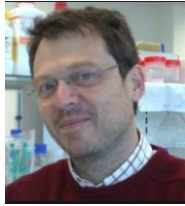


## **Program Thursday 3rd of December**



**Joao F. Mano** is Professor at the University of Minho, Portugal, and staff member of the 3B's (Biomaterials, Biodegradables and Biomimetics) research group. He was awarded the Stimulus to Excellence by the Portuguese Minister for Science and Technology in 2005 and the Materials Science and Technology Prize by the Federation of European Materials Societies in 2007.

His research interests include the development of new materials and concepts for biomedical applications, e.g. development of new materials and multidisciplinary concepts for biomedical applications, especially aimed at being used in tissue engineering of bone and cartilage and in the controlled delivery of bioactive molecules; developing materials, mainly derived from natural-based biodegradable polymers, that can react to external stimuli, or biomimetic and nanotechnology approaches applied to materials and surfaces to be used in the biomedical area; polymer science & technology.

He is author of more than 525 papers, and has more than 8.100 citations, h-index=56. Inventor on 30 patents, and has evaluated several international projects (including for the European Commission). He is in the Editorial board of international journals (ISI) including 4 in major publishers. He has coordinated/participated in several national and European research projects, and participated in the organization of scientific events in the area of polymer/materials science and biomaterials/tissue engineering.



**Pierre Layrolle**, Research Director, INSERM, Nantes, France, has extensive experience in tissue engineering research both in industry and academia. He obtained his PhD in biomaterials in 1994 at the Polytechnic National Institute of Toulouse (FR) and his thesis was awarded the Leopold Escande prize. He completed his postdoctoral studies in Japan and later joined the tissue engineering company IsoTis (NL) prior to enter INSERM as Director of Research in Nantes. In 2007, he received the Jean Leray Award from the European Society for Biomaterials.

He is currently the coordinator of the FP7 REBORNE project, aimed at regenerating bone defects using a combination of stem cells and biomaterials. This project gathers 24 partners in 8 European countries, including research labs, hospitals, biomaterial companies and cell manufacturing facilities. His team has conducted a vast amount of pre-clinical studies and 4 clinical trials are currently underway which show excellent results. His work is routinely highlighted in national and international media.

Pierre Layrolle is inventor of 14 patents and co-founder of the spinoff company Biomedical Tissues that produces innovative medical devices based on biomimetic microfibrinous polymer matrices. He has authored over 150 peer-reviewed publications (6000 citations, h-index 44) is a member of the Editorial board of several journals (*Acta Biomaterialia*, *Biomedical Materials*, *J Mater Sci Mater Med*, *The Open bone journal*) and regularly invited to present at international conferences. He has also organized several conferences such as the European Society for Biomaterials in 2006, *Bioceramics 20* in 2007 and the European Orthopaedic Research Society conference in 2014.