

# Tailored Nanopatterning Scaffolds for Musculoskeletal Tissue

## Regeneration (1<sup>st</sup> Annual Meeting)

Barcelona, 10<sup>th</sup> May 2019

- 09:30-10:00 Welcome. **Josep Samitier**, Institut de Bioenginyeria de Catalunya (IBEC)-Networking Biomedical Research Center (CIBER).
- 10:00-10:30 Nanopatterning defines tissue organization and intercellular communication network architecture in mesenchymal condensation. **Anna Lagunas**, Networking Biomedical Research Center (CIBER)-Institut de Bioenginyeria de Catalunya (IBEC).
- 10:30-11:00 New dendrimeric materials for biological applications. **Yolanda Vida**, Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Málaga – IBIMA.
- 11:00-11:30 Molecular characterization of genes involved in cell-to-cell communication during the chondrogenic differentiation of human mesenchymal stromal cell. **Cristina Rodríguez**. Unidad de Medicina Regenerativa, Grupo de Investigación en Reumatología (GIR), Instituto de Investigación Biomédica de A Coruña (INIBIC), Complejo Hospitalario Universitario de A Coruña (CHUAC), Sergas, Universidade da Coruña (UDC).
- 11:30-12:00 Coffee Break
- 12:00-12:30 Mechanical characterization of elastomers. **José Luis Gómez Ribelles**. Biomaterials Center of the Universidad Politécnica de Valencia (CBM-UPV)-Networking Biomedical Research Center (CIBER).
- 12:30-13:00 *In vitro* tenogenic differentiation of MSCs and *in vivo* models of tendon repair. **Leonor Santos**. Networking Biomedical Research Center (CIBER)-Tissue Regeneration and Bioengineering Laboratory, University of Málaga (LABRET-UMA).
- 13:00-14:00 Lunch
- 14:00-15:30 Discussion