

Seminario tractor 4 (ST4) – Desarrollo y estudio de materiales para medicina regenerativa

Salón de Grados de la Facultad de Farmacia, 11 de mayo de 2023

Hora: 12 a 14 h

PROGRAMA

12:00-12:25 Carlos A García González

Supercritical fluid technology: Towards sustainable solutions in the processing of materials for regenerative medicine

Summary: Supercritical fluid technology is a green alternative for the solvent-free processing of scaffolds in regenerative medicine. In this talk, recent advances on the use of this technology will be presented.

12:25-12:35: 1º Turno de preguntas / Debate

12:35-12:50 Patricia Díaz Rodríguez

Biomaterials for Engineering Immune Responses

Summary: Immune responses condition the performance of biomaterials playing key roles in tissue integration. However, more recently, this interaction between immune cells and biomaterials has been taken advantage to trigger a desired response able to control tissue homeostasis. In the tissue engineering field, different biomaterials have been developed to control inflammation and induce a specific macrophage phenotype.

12:50-13:00 Ana Iglesias Mejuto

Aerogel scaffolds by 3D-printing for bone regeneration

Summary: Aerogel has been recently recognized as a Top-10 Emerging Technology by IUPAC. Aerogels are nanostructured materials of interest for biomedical purposes as they can mimic the extracellular matrix. In this talk, the integration of aerogel and 3D-printing technologies is presented and evaluated for regenerative medicine.

13:00-13:15: 2º Turno de preguntas / Debate

13:15-14:00 VISITA A LABORATORIO DE FLUIDOS SUPERCRÍTICOS Y AEROGELES DE LA FACULTAD DE FARMACIA