

Aula del Instituto de Materiais, July 22, 2022

Workshop of Young Researchers

PROGRAM

9:00-9:10 **Welcoming**

9:10-9:30 Luis Díaz Gómez *Additive and subtractive biofabrication for tissue regeneration*

9:30-9:50 Adriana Cambón *Pharmacological delivery systems with optically active nanoparticles*

9:50-10:10 Ana I. Gómez Varela *Laser technology for the manufacture of biomedical devices*

10:10-10:30 Victor Pardo *How to tune magnetism in two-dimensional materials*

10:30-10:50 Manuel Antonio González Gómez *Multifunctional magnetic nanostructures for dual modal MRI/PET imaging*

10:50-11:10 Carlos García González *Design and process engineering of porous materials for biomedical applications*

11:10-11:40 **Coffee break**

11:40-12:00 Trinidad Méndez Morales *Simulations of densely ionic electrolytes under confinement for energy applications*

12:00-12:20 Patricia Díaz Rodríguez *Biomaterials and cells: friends or enemies*

12:20-12:40 Juan José Lopez Mayan *Metallic nanoparticles determination and characterization: a closer look*

12:40-13:00 María J. G. Guimarey *Nanomaterials as lubricant additives*

13:00-13:20 David Serantes *Magnetic nanoparticles for biomedical applications: simulations and theoretical approaches*

13:20-13:40 Yago Arosa *Modelling materials through optics, beyond what we can see*

13:40-14:00 Hadrián Montes Campos *Neural-network force fields for ionic liquids*

NOTE: Live recording by SERVIMAV. The time for each talk is 15 minutes followed by 5 minutes of questions.

Organized by iMATUS Research Committee
Josefa Fernández Pérez (Coordinator)
Silvia Barbosa Fernández
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