



UNIÓN EUROPEA
Fondo Social Europeo



Dirección General de Investigación
e Innovación
CONSEJERÍA DE EDUCACIÓN
E INVESTIGACIÓN

Comunidad de Madrid

VIII Tec4Bio Meeting – 10/10/2023

Salón de Actos, Instituto de Ciencia de Materiales de Madrid (ICMM, CSIC)

Organizers: **Advanced Force Microscopy & Nanolithography group**

Chairperson: Ricardo García

09:20 Opening - Fernando Moreno Herrero (Tec4Bio's Coordinator)

09.30 Fernando Moreno-Herrero group (CNB, CSIC)

Eva M. Martín-Cuevas, Characterization of structural domains of long non-coding RNA using atomic force microscopy

Francisco de Asis Balaguer, CTP binding promotes KorB diffusion and formation of a transcription repressor complex with KorA

10.0 Oscar Llorca group (CNIO)

María Martínez Molledo, Structural and functional characterization of a human amino acid transporter

Marina Serna, CryoEM of the γ -tubulin ring complex

10.30 Jorge Alegre-Cebollada group (CNIC)

Manuel Gavilán Herrera, Transient cleavage of titin in myotubes induces irreversible sarcomere disassembly

11.00 Coffee Break

11.45 M.A. del Pozo group (CNIC)

Aleksandra Norczyk Simón, Role of mechanosensitive and metabolic pathways in mitochondrial ATP synthase trafficking

Álvaro García López, scRNAseq analysis of flow-induced arterial wall remodeling in atherosclerosis

12.15 Gustavo Plaza group (UPM)

Aldo Abarca, Production of microparticles for mechanobiological studies" ALDO ABARCA

Mahdi Yonesi, Characterization of biomechanical properties of silk fibroin-based biomaterials for therapeutic applications

12.45 Ricardo Garcia group (ICMM, CSIC)

Francisco M. Espinosa, AFM nanomechanical characterization of aorta tissues

Jaime Tejedor, Neural network method for processing AFM nanoindentation data

13.15 End of the Meeting

Note. The **allotted time** for group including questions is of **30 minutes**. We value your effort to keep the meeting on time.