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JUNIO

9:30-14:00

Sala B6

CNB

Centro Nacional de Biotecnología

Madrid Seminars on Mechanobiology

Spring 2019 meeting

Session 1. Chairman Fernando Moreno-Herrero

9:30 – 10: 30 Plenary Talk - **Óscar Llorca** (CNIO).

Cryo-EM provides mechanistic insights about the HSP90-mediated assembly of the ATM/ATR/mTOR-family of kinases

10:30-11:00 **María Aboy** (Miguel Ángel del Pozo's Group, CNIC).

Lipodystrophy, mechanical properties of adipocytes and the role of caveolin

11:00-11:30 **Carlos Guerrero** (Ricardo García's group, ICMM-CSIC).

Measuring viscoelastic properties of cells using AFM

11:30 – 12:00 Coffee Break & Networking

Session 2. Chairman Miguel Ángel del Pozo

12:00-12:30 **Ana Domínguez Bajo** (María Concepción Serrano López-Terradas' group, ICMM-CSIC).

Designing biomaterials to mimic the mechanical properties of the spinal cord

12:30-13:00 **Elías Herrero-Galán** (Jorge Alegre-Cebollada's group, CNIC).

Modulation of sarcomere mechanics by redox posttranslational modifications of titin

13:00-13:30 **Ana Baretino** (Vicente Andrés Group, CNIC).

Aortic Stiffness and Endothelial Dysfunction in Progeria Models

13:30-14:00 **Natalia Martín** (Pedro J. de Pablo's Group, UAM).

Adenovirus major core protein condenses DNA in bundles, modulating genome release and capsid internal pressure

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