

BITS OF ADVANCED NANOBIOSCIENCE *in the Madrid area*

6th February, 2023
Auditorium, Centro Nacional de Biotecnología
Campus Cantoblanco. UAM

CONFIRMED SPEAKERS

- Montserrat Calleja** IMN-CSIC Mechanical Sensors and Devices
Borja Ibarra IMDEA Nanociencia Single-Molecule Biophysics
Oscar Llorca CNIO Structural Biology of Molecular Machines
Cristina Flors IMDEA Nanociencia Super-resolution Fluorescence Microscopy
Jorge Alegre-Cebollada CNIC Mechanobiology
Fernando Moreno-Herrero CNB-CSIC Single-Molecule Biophysics

PROGRAMME

9:20 Arrival. Welcome words

9:30 **Fernando Moreno-Herrero** CNB-CSIC *Molecular biophysics of DNA handling machines*

10:00 **Borja Ibarra** IMDEA Nanociencia *Optical tweezers to force information out of biological and synthetic systems*

10:30 **Montserrat Calleja** IMN-CSIC *Nanomechanical sensors for applications in biology*

11:00 **Oscar Llorca** CNIO *Using cryo-electron microscopy to study molecular mechanisms in cancer*

11:30 Coffee Break

12:00 **Cristina Flors** IMDEA Nanociencia *Advanced combinations of fluorescence and atomic force microscopy to study Biology at the nanoscale*

12:30 **Jorge Alegre-Cebollada** CNIC *Protein nanomechanics in the physiology of the heart*

13:00 **Susana de Lucas** CNB *CNB guided tour*

14:00 Closing. Farewell words

Organisers: Fernando Moreno-Herrero, Ana G. del Arco, and Susana de Lucas

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This is an activity organized for the Study Trip Diffucie of
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