

## Workshop

# Current trends in spectroscopy for bio and nanosciences

- Friday 24<sup>th</sup> November
- Room 1403, Pabellón cero + infinito

### Schedule

<b>9:30- 9:45</b>	<b>Opening/Introduction</b> FCEN and DQIAyQF/INQUIMAE authorities
<b>9:45-10:10</b>	<b>Design of plasmonic nanostructures for SERS/SERRS detection of pigments and bioanalytes.</b> Maria Ana Castro – DQIAyQF/INQUIMAE
<b>10:10-10:35</b>	<b>Models and Experiments on Azopolymer-Nanoparticle Hybrid Materials</b> Gabriela Capeluto – DF/IFIBA
<b>10:35-11:00</b>	<b>Transport and diffusion of fluorescent probes in nanoporous materials</b> Jose Hodak/Iskra Zambrano – DQIAyQF/INQUIMAE
<b>11:00-11:10</b>	<b>Coffee Break</b>
<b>11:10-11:35</b>	<b>Real-Time Structural Biology of DNA and DNA-Protein Complexes on an Optical Microscope</b> Alan Szalai - CIBION
<b>11:35-12:00</b>	<b>Insights on transcription factors and chromatin dynamics through single-molecule tracking in live cells</b> Diego Presman – FBMC/IFIBYNE
<b>12:00-12:25</b>	<b>The role of conformational entropy in molecular evolution of bacterial transcriptional repressors</b> Daiana Capdevila - LELOIR
<b>12:30-14:00</b>	<b>Lunch break</b>
<b>14:00-15:00</b>	<b>Spectroscopy/Microscopy for Biophysics and Nanosystems: Studying Nucleic Acids, One Molecule at a Time...</b> David Nesbitt - University of Colorado Boulder
<b>15:00-15:20</b>	<b>Coffee Break</b>
<b>15:30-16:30</b>	Meeting of students and postdocs with David Nesbitt
<b>16:30-17:30</b>	Visits to labs/research groups in FCEN-UBA

Registration, free and obligatory:

<https://forms.gle/scAScZVEPa3rRnWG7>