

TOPICS FOR WORKSHOPS

FEBRUARY
19th 2020

CNB
AUDITORY

LATEST ADVANCES IN MICROSCOPY TECHNOLOGIES BIOIMAGING PLATFORM AT THE CNB

10:00-10:15h. Welcome/Opening

SESSION 1. Advanced Light Microscopy Chair: Sylvia Gutierrez-Erlandsson

10:15-10:45h. **Dra. Sarah Needham**

Central Laser Facility, UKRI: Science & Technology Facilities Council, Harwell Campus, UK
Automating FLImP – macromolecular structure fingerprints for personalised cancer therapy

10:45-11:15h. **Francisco Porto**

Advanced Workflow Specialist, Life Sciences, EMEA
Leica Microsystems SLU, Spain

Advanced techniques in Super Resolution: STED, TIRF and Localization Microscopy

11:15-11:45h.

Coffee Break

SESSION 2. Correlative Microscopy Chair: José Requejo

11:45-12:15h. **Dr. Cristina Flors**

IMDEA Nanociencias, Campus Cantoblanco, Madrid, Spain
Hybrid AFM and Fluorescence Nanoscopy to image amyloids: from materials to biomedicine

12:15-12:45h. **Dr. Javier Conesa**

Centro Nacional de Biotecnología/CSIC, Campus Cantoblanco, Madrid, Spain
A correlative imaging platform at the CNB

13:00-14:30h.

Lunch buffet

SESSION 3. Cryo-electron Microscopy

14:30-15:00h. **Dr. José M^a Valpuesta**

Centro Nacional de Biotecnología/CSIC, Campus Cantoblanco, Madrid, Spain
Single-particle cryo-electron microscopy at the CNB

SESSION 4. Image Analysis Chair: José Jesús Fernandez

15:00-15:30h. **Dr. Carlos Oscar Sorzano**

Centro Nacional de Biotecnología/CSIC, Campus Cantoblanco, Madrid, Spain
Image analysis for advanced light microscopy

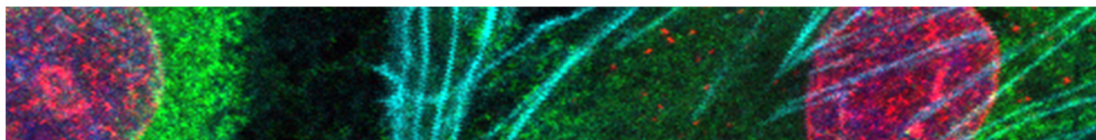
15:30-16:00h. **Dr. Daniel Rolfe**

Central Laser Facility, UKRI: Science & Technology Facilities Council, Harwell Campus, UK
Developing cryo-CLEM workflows at Octopus

16:00-16:30h. **Dr. José M^a Carazo**

Centro Nacional de Biotecnología/CSIC, Campus Cantoblanco, Madrid, Spain
Image analysis for cryo-electron microscopy

16:30-17:00h. Discussion and concluding remarks



Organized: Centro Nacional de Biotecnología, CSIC, Severo Ochoa Excellence Program, and LEICA Microsystems

