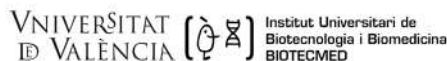




Microscopy at the Frontiers of Science Conference 2025

Joint Meeting of the "Sociedad de Microscopía de España" (SME) and the Portuguese Microscopy Society (SPMicros)



Welcome

We would like to cordially invite you to participate in the next exciting and inspiring event “Microscopy at the Frontiers of Science” series (MFS2025). This year, the *Spanish Microscopy Society* (microscopia.org) and the *Portuguese Society for Microscopy* (spmicros.com) are once again joining forces –following the success of the 2023 meeting in Braga (Portugal)– to host this next edition. The congress will take place in Valencia, Spain, from September 23rd to 26th, 2025 (Tuesday to Friday).

The Scientific Committee has designed an engaging program aimed at fostering collaboration and knowledge exchange among imaging scientists and professionals from Spain, Portugal, and beyond. The event will feature keynote and invited lectures, flash talks, poster sessions, a broad commercial exhibition, and vibrant social activities.

[Centro de Investigación Príncipe Felipe \(CIPF\)](#)

23rd-26th September 2025



Contributions

Contributions are welcome from all areas of microscopy and related disciplines, including but not limited to:

- ⚙ **Cryo-Electron Microscopy:** *Applications in Life Sciences (Single Particle Imaging, Cryo-electron Tomography) and Material Sciences.*
- ⚙ **Electron Microscopy:** *High-resolution TEM, STEM, SEM, diffraction, Low Energy Electron Microscopy, FIB techniques, spectroscopy (EELS, EFTEM, EDX, CL), High-Voltage Electron Microscopy, Electron Tomography, Phase-Related Techniques, 3D-EM, In Situ EM, and advanced techniques such as FIB-SEM, Serial Block-Face SEM (SBEM), and Array Tomography (AT).*
- ⚙ **Light Microscopy:** *Innovations in imaging technologies, including Super-Resolution (STED, STORM, PALM, Structured Illumination), Light Sheet Microscopy (SPIM, DSLM, DiSPIM), Nonlinear Microscopy (TPEF, SHG, THG), Fluorescence Techniques (FRET, FLIM, FCS), High-Speed Confocal Laser Scanning Microscopy (CLSM), Big Data/Image Analysis, Hyperspectral Imaging, Mesoscopic Imaging, and advanced Tissue Imaging.*
- ⚙ **Correlative and Multimodal Microscopy:** *Correlated Light and Electron Microscopy (CLEM).*
- ⚙ **Other Techniques:** *Atomic Force Microscopy (AFM), X-ray Tomography, Optical Tweezers.*
- ⚙ **Advances in Sample Preparation:** *Innovations in automated processing, live-cell imaging, and clearing techniques.*
- ⚙ **Instrumentation and Techniques:** *Developments in aberration correction, contrast enhancement, light optimization, detectors, and imaging software.*

Conference venue

The event will take place at the **“Centro de Investigaciones Príncipe Felipe (CIPF)”**, a leading biomedical research center located near Valencia’s City of Arts and Sciences complex.

Surrounded by the iconic modern architecture of this vibrant city, the CIPF offers state-of-the-art facilities and a dynamic environment to host scientific events like this one. Its focus on cutting-edge research and innovation makes it an ideal venue for exchanging knowledge and fostering collaboration in the warm camaraderie of the scientific community.

This inspiring setting is combined with Valencia’s welcoming atmosphere, a city on the eastern coast of Spain by the shores of the Mediterranean Sea that boasts a rich cultural heritage and blends tradition and modernity. Renowned for its gastronomy –most notably as the birthplace of Paella– Valencia also offers beautiful beaches, a thriving cultural scene, and an extensive network of green spaces, including the iconic Turia Gardens. As a dynamic hub for innovation and research, the city is home to leading scientific institutions and universities, making it the perfect setting to foster collaboration and exchange ideas.

We eagerly look forward to welcoming you to MFS2025 in Valencia!



Plenary speakers

In the Life Sciences/CryoEM area, we are honored to welcome a distinguished lineup of confirmed speakers, including **Sjors Scheres** (MRC Laboratory of Molecular Biology, Cambridge, UK), **Giulia Zanetti** (Francis Crick Institute, London, UK), **Manos Mavrikis** (Institut Fresnel Marseille, France), **Erin Tranfield** (VIB-UGent Center for Inflammation Research), and **Wiebke Möbius** (University of Gottingen, Germany). These leading experts have made groundbreaking contributions to the application of advanced microscopy techniques in life sciences.

In the area of Materials Microscopy, we are pleased to announce the participation of **Fabrizio Carbone** (EPFL, Switzerland) and **José Sánchez Costa** (IMDEA Nanociencia, CSIC), both of whom are at the forefront of innovation in the characterization of materials at nanoscale.

With these world-renowned scientists sharing their latest insights, MFS2025 promises to be an exciting and intellectually stimulating event. Stay tuned as we continue to expand our lineup of exceptional speakers!



Erin Tranfield



Fabrizio Carbone



Giulia Zanetti



Manos Mavrikis



Sjors Scheres



Wiebke Möbius



**José Sánchez
Costa**

Official Webpage

For regular updates and new information on MFS2025, please visit our website:

<https://www.mfs2025.com>

Deadlines

On-line registration will be open from 17th of March onwards in

Abstract submission	28 th May 2025
Aceptance of abstracts	17 th June 2025
Early registration	Up to 27 th June 2025
Regular registration	From 30 th June 2025
Registration closing	2 nd September 2025

Author guidelines for the preparation of abstracts, abstract templates and on-line submission will be available soon at <https://www.mfs2025.com>

For technical Secretary, travel advise and bookings:

Scito Events-nanoGe Conferences. Science @Technology Organizers

Fundació Scito

C. del Poeta Mas y Ros, 130, Bj Dcha.

46022 València, Valencia

MFS25@scitoevents.com

Organizing Committee

- 🏠 **José Luis Llácer:** *Main Organizer MFS2025.*
Instituto de Biomedicina de Valencia. IBV-CSIC
C/ Jaime Roig 11. 46010. Valencia, Spain.
Contact: +34 958181600 Ext. 215.
MFS2025@ibv.csic.es
- 🏠 **Clara Marco:** *Instituto de Biomedicina de Valencia (IBV-CSIC).*
- 🏠 **María Angeles Juanes:** *Centro Investigación Príncipe Felipe (CIPF, Valencia).*
- 🏠 **Patricia Casino:** *Universitat de València-Instituto Universitario Biotecmed.*
- 🏠 **Santiago Ramón Maiques:** *Instituto de Biomedicina de Valencia (IBV-CSIC).*
- 🏠 **Juan de Dios Alché:** *Estación Experimental del Zaidín (EEZ/CSIC, Granada).*
- 🏠 **Paulo Ferreira:** *University of Lisbon & International Iberian Nanotechnology Laboratory, Braga.*

Scientific Committees

Cryo-EM

Celia Romão (ITQB NOVA, Oeiras), Nuria Verdaguer and Pablo Guerra (IBMB-CSIC; Barcelona), Rocío Arranz (CNB-CSIC; Madrid), Javier Garcia Nafría (Unizar-BIFI;- Zaragoza), Ernesto Arias (CIB-CSIC; Madrid), Aitor Hierro (Instituto Biofisika- Bilbao) and Marisa López (IBV-CSIC; Valencia).

Life Sciences

Carmen San Martín and Jaime Martín Benito (CNB-CSIC, Madrid), Juan de Dios Alché (EEZ/CSIC, Granada), Luisa Jordao (Instituto Nacional de Saúde Dr Ricardo Jorge - INSA, Lisboa), Erin Tranfield (VIB-UGent), Tania Carvalho (Champalimaud Foundation, Lisboa), Paula Sampaio (i3S –Universidade do Porto), Gabriel G Martins (Gulbenkian Institute for Molecular Medicine) and Oliver Schraidt (INL, Braga).

Materials

Francisca Peiró Martínez (IN2UB-University of Barcelona), Raúl Arenal (INMA University of Zaragoza), Juan Carlos Hernández Garrido and Lionel Cervera Gontard (University of Cádiz), Leonard Francis (INL- Braga) and Sónia Simões (University of Porto).