

CONFERENCE PROGRAMME

12 NOVEMBER 2026 · BARCELONA

10:00 h - 10:25 h	**Registration & Welcome .Recepción de asistentes y montaje de pósters / Attendee Reception**
10:25 h - 10:30 h	**Opening & Association Presentation. Association Presentation and Institutional Welcome**
10:30 h - 11:15 h	**Keynote Lecture I: Elena Martínez. Deputy Center Director at Fraunhofer Center for Applied Theragnostics- Fraunhofer Spain and Professor at the University of Barcelona**
11:15 h – 12:00 h	**Keynote Lecture II: Carlos Villaescusa. CEO & CSO and Co-founder of Nordic Cell Therapy Group (NCTG)**
12:00 h - 12:15 h	**Standardisation Session: Javier Idiago López. UNE – Asociación Española de Normalización**

FLASH TALK SESSION I: 12:15 - 13:15 h

Flash Talk 01 **Sofia Moncada-Madrazo (*Department of Electronic and Biomedical Engineering, Universitat de Barcelona).*** *Lensless Optical Biosensing for Microscope-Free Functional Assessment of Skeletal Muscle-on-Chip*

Flash Talk 02 **Melika Parchehbaf Kashani (Institute for Bioengineering of Catalonia (IBEC).** *Metastasis-on-a-chip: A hydrogel-based three-dimensional model to study colorectal cancer cell extravasation.*

Flash Talk 03 **Ane San Martin (Fundación LAIR, Madrid).** *Towards a Lymph node-on-chip: 3D microfluidic models for the study of Chronic Lymphocytic Leukemia-stroma interaction*

Flash Talk 04 **Asia Murasa (Politecnico di Milano).** *Mechanically Active Organoid-Derived Brain-on-Chip: Harnessing Cyclic Tension to Guide 3D Neural Tissue Organization*

Flash Talk 05 **Noelia Rubio (Universidad de Alcalá.)** *Design of a Blood-Brain Barrier-on-chip platform based on Graphene Sensors for the Screening of Alzheimer's Disease Drugs*

FLASH POSTER SESSION: 13:15-13:30

Flash Poster 1 **Alberto Martín-Asensio. (*IMDEA Nanociencia).*** *Nanomedicine Diffusion in Extracellular Matrix Measured by Fluorescence Correlation Spectroscopy in Lab-on-a-Chip Devices*

Flash Poster 2 **Alberto E. Quintero. (*Universidad Carlos III de Madrid*).** *Shear stress influence in osteogenic cell culture through an automated 3D bone-on-a-chip platform*

Flash Poster 3 **Andrés Sanz-García (Department of Mechanical Engineering, University of Salamanca).** *Mold-free fabrication of porous polydimethylsiloxane membranes for Organ-on-a-Chip devices by femtosecond laser microdrilling*

Flash Poster 4 **Juncal A. Alonso-Cabrera**. **(*Microfluidics Cluster UPV/EHU, University of Basque Country (EHU.)*** *Rapid Patterning Of Multicomponent Biointerfaces To Study The Effect Of The Microenvironment On Cell Secretion*

13:30 h - 15:30 h	**Networking Lunch & Poster Session I**
15:30 h - 15:45 h	**Sponsored Session - Industry Session**
15:45 h -16:30 h	**Keynote Lecture III: Joaquín de Lapuente**
16:30 h - 17:00 h	**Coffee Break & Posters Session II - Informal Networking & Poster Session**

FLASH TALK SESSION II: 17:00 h-18:00h

Flash Talk 06 **Leticia Valencia (Universidad Carlos III de Madrid.)** *Fabrication and Characterization of Sensorized Skin-on-Chip Platforms with Integrated Flexible Electrodes*

Flash Talk 08 **Magdalena Gębicka (University of Krakow).** *Preliminary studies on the use of glancing angle deposition/thermal dewetting (GLAD/TDW)-fabricated Ag/Ti/Au surface plasmon resonance chips for biofunctionalization*

Flash Talk 07 **Ainoa Tejedera-Villafranca. (** *Institute for Bioengineering of Catalonia (IBEC). Modeling Duchenne Muscular Dystrophy Cardiomyopathy Using hiPSC-Derived 3D Cardiac Co-Cultures*

Flash Talk 09 **Alberto E. Quintero. (** *B5tec Solutions S.L.). A recirculating liver-on-a-chip platform for progressive steatosis modeling and AI-assisted monitoring*

Flash Talk 10 **Asier Inchaurraga-Llamas. (** *Microfluidics Cluster UPV/EHU, University of the Basque Country EHU). Single cell adhesion dot array (scada) for high-resolution drug screening and cytotoxicity assessment*

18:00 h - 18:45 h	**Keynote Lecture IV: Fabrice Navarro. Chef de service SEMIV, CEA-Leti**
18:45 h - 19:00 h	**Closing Session & Assembly**

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