

**SESMOoC**  
Sociedad Española  
de Sistemas Microfisiológicos  
y Organ-on-a-Chip

24-25 November 2025, Zaragoza

# EVENT PROGRAMME

## 1st SESMOoC Conference

24 November, 2025

9:00 h - 10:00 h

### Registration & Welcome

Recepción de asistentes / Attendee Reception

10:00 h - 10:30 h

### Opening & Association Presentation

Association Presentation and Institutional Welcome

10:30 h - 11:30 h

### Keynote Lecture I: Marco Rasponi

Mechanical control in organs-on-chip models

11:30 h - 12:00 h

### Scientific Talks I: Javier Ramon Azcon

Group Leader IBEC / ICREA Research Professor. Barcelona, Spain

12:00 h - 12:30 h

### Scientific Talks II: Lourdes Basabe Desmots

Microfluidics Cluster UPV/EHU, University Basque Country, Spain

12:30 - 13:00 h

### Scientific Talks III: Ignacio Ochoa Garrido

Group Lider TMELab. University of Zaragoza, Spain

13:00 h - 14:00 h

### Networking Lunch

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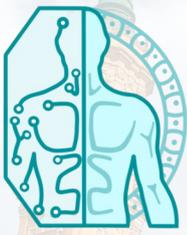
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14:00 h - 15:00 h

### Poster Session I

Poster Session and Discussion

15:00 h - 16:00 h

### FLASK TALKS

UNE – Asociación  
Española de  
Normalización

### Javier Idiago López

From Innovation to Standardization of Organ-on-a-Chip Systems: challenges, opportunities, and the role of UNE

IMDEA  
Nanociencia

### Alberto Martín Asensio

Measuring Nanoparticle's Transport in Tumor-on-a-Chip Devices

IMB-CNM (CSIC)

### José Yeste Lozano

Heterogeneous integration of microfabricated electrochemical sensors into organ-on-chips

FIMA

### Iván Cortes Domínguez

Microfabricated Organoid-on-Chip Platform for High-Throughput Analysis of ECM Dependent Tumor Phenotypes

Universidad de  
Salamanca

### Andrés Sanz-García

Femtosecond laser micromachining as a flexible fabrication method for Organ-on-a-Chip components

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Universidad Carlos  
III de Madrid

**Cristina Quílez**

Engineering Epidermal Appendages in Human In Vitro Skin Models for Drug Testing and Regenerative Applications

B5tec

**Verónica Peña León**

Perfusion influence on the performance of Skin, Liver, and Bone Organ-on-Chip Models

Bflow S.L

**Andrea Balsa**

Microfluidic Chip for Advanced Blood-Brain Barrier Co-culture

Beonchip S.L.

**Rosa Monge**

UNLOOC Project: Unlocking the data content of Organ-on-Chips

16:00 h - 16:30 h

**Special Session: Spanish Researchers Around the World I**

**Jose Maria Ayuso Dominguez.** University of Wisconsin-Madison. USA

16:30 h - 16:45 h

**Special Session: Spanish Researchers Around the World II**

**Raquel Alonso Roman.** Leibniz Institute-Jena. Germany

16:45 h - 17:00 h

**Special Session: Spanish Researchers Around the World III**

**Julian Gonzalez Rubio.** University of Cambridge, UK

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## 1st SESMOoC Conference

**24 November, 2025**

**17:00 h - 17:30 h**

### **Coffee Break & Posters Session II**

Informal Networking & Poster Session

**17:30 h - 18:30 h**

### **Keynote Lecture II : Dries Braeken**

Nanotechnology enabling advanced human models

**18:30 h - 19:00 h**

### **Closing Session & Assembly**

Closing Session / SESMOOC General Assembly

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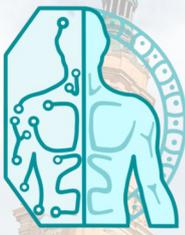
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## CONFERENCE VENUE

**Campus Río Ebro,  
Maria de luna Street  
Betancourt Building, ground Floor**



ENTRY 1

ENTRY 2

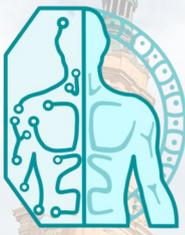


TRAM  
STATION



SALON DE  
ACTOS





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# EVENT PROGRAMME

## 1st SESMOoC Conference

**25 November, 2025**

### Workshop: Introduction to Organ-on-a-Chip (OoC) Technology

**09:00 h - 10:00 h**

**Introduction to OoC technology**

**10:00 h - 11:30 h**

**Hands-on 1 – Handling of OoC devices**

**11:30 h - 12:00 h**

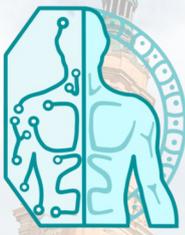
**Coffee break**

**12:00 h - 13:30 h**

**Hands-on 2 – Perfusion systems**

#### **Workshop (informative only):**

**This activity is not included in the official event program.  
Attendance is restricted to participants who have pre-registered and been  
selected.**



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## WORKSHOP VENUE

**Campus Río Ebro**  
**Mariano Esquillor Street**  
**Institutes Building, 1st Floor ,Seminar A**

