

FENS-HERTIE WINTER SCHOOL 2025-2026

"SINGLE-CELL AND SPATIAL OMICS TO UNDERSTAND BRAIN HETEROGENEITY"

11-17 January 2026

Hotel Port Alicante, Spain

Scientific Chairs:

Gonçalo Castelo-Branco & Ana Mendanha Falcão

Programme

Sunday 11th January

16:00 - 18:00 **Arrivals and Registration**

18:00 - 19:00 *Welcome/Intro, scientific speed dating, goals of the winter school, discussion of the work programme, short intros of participants*

19:00 - 20:00 **Gonçalo Castelo-Branco & Ana Mendanha Falcão**
Single cell and Spatial Omics: Past, present and future

20:00 - 21:30 *Dinner*

Monday 12th January

Breakfast at the hotel

10:00 - 11:30 **Bosiljka Tasic**
Allen Institute for Brain Science, United States

11:30 - 12:00 *Coffee break*

12:00 - 13:30 **Gabriel Santpere Baró**
HMRIB – Hospital del Mar Research Institute, Spain

13:30 - 14:30 *Lunch at the hotel*

14:30 - 15:30 *Flash talks (5 mins) from participants*
Roundtable discussion with Bosiljka Tasic and Gabriel Santpere Baró

15:30 - 20:00 *Team building activities*

20:00 - 21:30 *Dinner*

Tuesday 13th January

Breakfast at the hotel, free time

12:00 - 13:30 **Gioele La Manno**
EPFL, Switzerland
Spatiotemporal approaches to dissecting brain cell state emergence, dynamics, and modulation

13:30 - 14:30 *Lunch at the hotel*

14:30 - 15:00 Transfer from the hotel to the Instituto de Neurociencias, Alicante

15:00 - 17:00 **José P. López-Atalaya**
Institute of Neurosciences in Alicante, Spain
Computational pipelines for single-cell data - hands-on computational session
Instructors:
Ángel Márquez-Galera
Computational Facility, Instituto de Neurociencias
Lorenzo Puche-Aroca
Lopez-Bendito Lab, Instituto de Neurociencias
Venue:
Computer Lab 1.4, Marie Curie Building, San Joan d'Alacant Campus, Miguel Hernández University (UMH)
<https://maps.app.goo.gl/8ovGh3B5u518ABhh8>

16:30 - 17:00 *Coffee break*

17:00 - 18:00 Continuation of the session

18:00 - 19:00 *Visit to single-cell and spatial facilities at the Instituto de Neurociencias, Alicante*

19:00 - 20:00 Transfer back to the hotel, free time

20:00 - 21:30 *Dinner*

Wednesday 14th January

Breakfast at the hotel

10:00 - 11:30 **Sara Bizzotto**
CRCN Inserm, Institut Imagine, France
Studying brain somatic mosaicism: insights into development, aging and disease

11:30 - 12:00 *Coffee break*

12:00 - 13:30 **Özgun Gökce**
DZNE, Germany
Brain Heterogeneity: Single-Cell and Spatial Omics Across the Preclinical-Clinical space

13:30 - 14:30 *Lunch at the hotel*

14:30 - 16:00 **Team building activities**

16:00 - 17:00 *Coffee break*

17:30 - 19:00 **Barbara Treutlein**
ETH Zürich, Switzerland

19:00 - 20:00 **Flash talks (5 mins) from participants**
Roundtable discussion with Gioele La Manno, Sara Bizzotto, Özgün Gökce and Barbara Treutlein

20:00 - 21:30 *Dinner*

Thursday 15th January

Breakfast at the hotel

10:00 - 11:30 **Sarah Marzi**
King's College London, United Kingdom
Linking Environmental Risk Factors to Parkinson's Disease Using Single-Cell Epigenomics

11:30 - 12:00 *Coffee break*

12:00 - 13:30 **Florian Rosenberger**
Karolinska Institute, Sweden

13:30 - 14:30 *Lunch at the hotel*

14:30 - 16:00 *Free time*

16:00 - 17:00 *Coffee break*

17:30 - 19:00 **Rong Fan**
Yale School of Medicine, United States

19:00 - 20:00 **Flash talks (5 mins) from participants**
Roundtable discussion with Sarah Marzi, Florian Rosenberger and Rong Fan

20:00 - 21:30 *Dinner*

Friday 16th January

Breakfast at the hotel

10:00 - 11:30 **Ana Mendanha Falcão**
Life and Health Sciences Research Institute (ICVS), University of Minho, Portugal

11:30 - 12:00 *Coffee break*

12:00 - 13:30 **Gonçalo Castelo-Branco**
Karolinska Institute, Sweden

13:30 - 14:30 *Lunch at the hotel*

14:30 - 15:30 **José P. López-Atalaya**
Institute of Neurosciences in Alicante, Spain
Computational pipelines for single-cell data - hands-on computational session

Instructors:

Violeta Durán-Laforet
Lopez-Atalaya Lab, Instituto de Neurociencias

15:30 - 16:00 *Coffee break*

16:00 - 17:30 Continuation of the session

17:30 - 18:00 *Break*

18:00 - 19:00 Flash talks (5 mins) from participants
Roundtable discussion with Ana Mendanha Falcão, Gonçalo Castelo-Branco, José P. López-Atalaya

19:00 - 20:00 Conclusions by co-chairs, Wrap-up & Feedback

20:00 - 21:30 *Dinner*

Saturday 17th January

Breakfast and departure