

Center of Immunology Marseille Luminy
EMBO workshop
LACI satellite meeting

Tissue resident Immune cells in Health and Disease

Marseille March 18-23, 2024

web site : <https://meetings.embo.org/event/24-immune-cells>
contact : embo2024@ciml.univ-mrs.fr
register by : February 1st, 2024



LA METROPOLE RÉGION SUD
AIX-MARSEILLE-PROVENCE



PROVENCE
ALPES
CÔTE D'AZUR



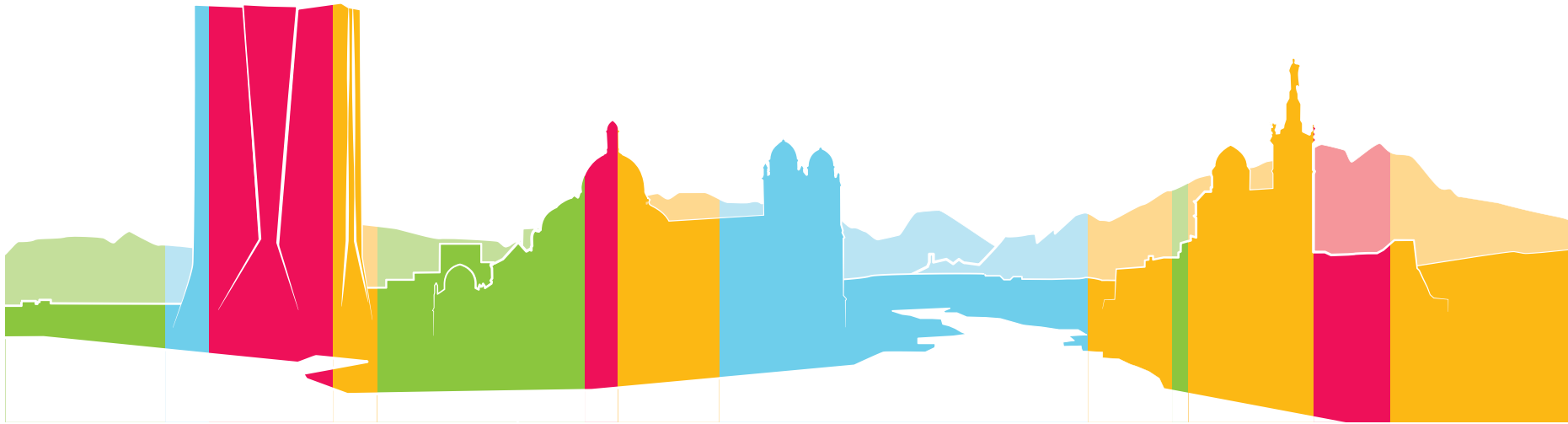
Tissue resident Immune cells in Health and Disease

Resident immune cells are present in all organs of the body. They include mast cells, macrophages, innate lymphoid cells, memory T and B cells as well as non-classical T cells. Besides acting as immune sentinels, they detect perturbations in homeostasis and contribute to developmental processes, normal organ functioning and pathology.

Recent advances in genetic fate-mapping and single cell profiling have shed further light on their biology. However, there are still gaps in our knowledge of the unique and shared features of these cells in different organs and contexts and the mechanisms responsible for their positioning and retention within specific niches.

This workshop will provide an up-to-date overview of recent developments in our understanding of the ontogeny, functions and positioning of tissue-resident immune cells. Bringing together leading experts at all career stages, it will cover a wide range of cell lineages, organs and biological contexts.

This unique gathering of experts will inform future strategies for targeted modulation of these cells in the treatment of cancer, infection and autoimmune or inflammatory diseases.



Speakers

Mucosal/barrier Tissues

Calum Bain (UK)
Adrian Hayday (UK)
Matt Hepworth (UK)
Chiara Romagnani (DE)
Christoph Schneider (CH)

Neuroimmune axis

Nicolas Gaudenzio (FR)
Soyon Hong (UK)
Jonathan Kipnis (USA)
Réjane Rua (FR)
Henrique Veiga-Fernandes (PT)

Cancer

Leyla Akkari (NL)
Jolanda de Vries (NL)
Jenny Mjösberg (SE)
Ankur Sharma (AU)
Daniela Thommen (NL)

Development

Andreas Diefenbach (DE)
Rebecca Gentek (UK)
Elvira Mass (DE)
Naomi McGovern (UK)
Roser Vento-Tormo (UK)

Foetal-maternal interface

Mercedes Gomez de Agüero (DE)
Andrew MacPherson (CH)
Victoria Male (UK)

Keynote Speakers

Laura Mac Kay (AU)
Steffen Jung (IL)

Organizers

Toby Lawrence,

CIML (FR) and Kings College (UK)

Rebecca Gentek,

University of Edinburgh (UK)

Organization Committee

Réjane Rua, CIML (FR),
Serge Van de Pavert, CIML (FR)
Giovanna Chimini, CIML (FR)
Sophie de Bentzmann CIML (FR)

Administrative support

Anita Dumenil CIML (FR)

Eco Responsibility

The organizers, sensitive to climate change, have implemented an eco-responsible approach.

This includes: i) reduced registration fees to encourage green travel, ii) eco-responsible accommodation and catering providers, iii) hybrid format to allow low-energy solutions for large overseas attendance, iv) waste minimization and recycling onsite. Measures designed to compensate the CO₂ footprint of the event have been arranged in collaboration with the Parc des Calanques. All participants will be made aware of the environmentally responsible approach associated with the event and will be encouraged to take part in a waste collection organized on the beaches of Marseille with the association Recycle Plastique.



Format

The workshop is structured into five scientific sessions:

Mucosal/barrier tissues – Neuroimmune axis – Cancer – Development – Foetal-maternal interface.

It will be open to a wide scientific community, with 300 participants expected to attend locally and additional remote broadcasting options.

Participation by young investigators is encouraged and the opportunity to present their data will be provided as short-talks and flash-talks in addition to posters sessions.

Highlights

Sessions dedicated to networking:

meet the speaker – meet the editor – meet the company, will be organized during session breaks.

Several social events have been arranged to increase the opportunities for interactions.

Venue

The **EMBO workshop** will be hosted at Aix-Marseille-Provence Metropole amphitheater located in downtown Marseille at the Jardin du Pharo **on March 20-23.**

The **satellite LACI training course** will take place at the Centre d'Immunologie Marseille-Luminy, at Aix-Marseille-University Luminy Campus near the Calanques, on **March 18-20.**



LACI - Luminy Advanced Course in Immunology

A 3-day training course is offered at CIML for 24 PhD students or ESR registered for the EMBO workshop willing to acquire skills in cutting edge immunological techniques. Taught by leading experts in the field of Spectral Flow Cytometry, Light sheet /3D microscopy and Spatial Transcriptomics, the course will provide expert tuition in workflows and analysis pipelines with access to state-of-the-art equipment and software in a small group format.

Innovative Ecosystem

The CIML is tightly connected to the Regional immunology biotech sector (including among others Imcheck, MIMabs, Innate Pharma, Emergence Therapeutics, Veracyte) and is at the heart of the EuroBiomed competitiveness cluster.

The CIML is also involved in Aix-Marseille University's Cancer and Immunology Institute, in Marseille-Immunopole in conjunction with AP-HM, and is part of Cancéropôle Provence Alpes Côte d'Azur community.

The Marseille Immunology Biocluster, MIB, recently funded as part of the "Innovation in health 2030" plan, together with the whole innovation ecosystem will be mobilized for the event.

