

# New methods to image inflammation & the immune response

Inserm  
Workshop **288**

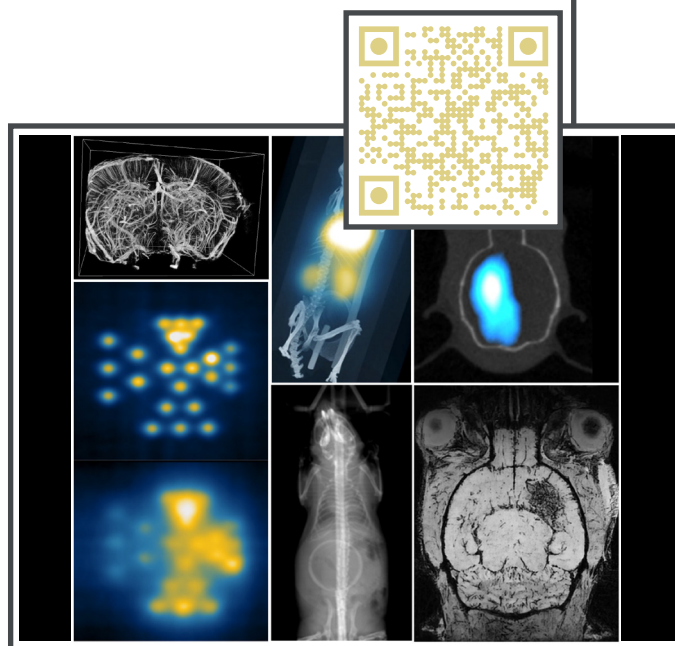


**Maxime GAUBERTI** (Université de Caen Normandie),  
**Sara MARTINEZ DE LIZARRONDO** & **Juliette LOPEZ**  
(INSERM U1237, Caen), **Fabien CHAUVEAU** (CRNL  
INSERM U1028, Lyon) & **Marlène WIART** (CarMeN  
IRIS, Lyon)

The aim of this workshop is to disseminate knowledge and know-how on in vivo molecular imaging of inflammation and the immune response. The focus will be on preclinical and translational imaging in the context of neurological, cardiovascular and autoimmune diseases.



Deadline: **February 27, 2026**



## PHASE I THEORETICAL



May  
27-29, 2026



Bordeaux

### IMAGING MODALITIES AND CONTRAST AGENTS

Sophie LAURENT (Mons University, BEL), Paula FOSTER (Robarts Research Institute, CAN) and Jordi LLOP (CIC BiomaGUNE, ESP)

### IMMUNO-MRI AND IMMUNE-CELL TRACKING

Florence GAZEAU (CNRS UMR 7057, FRA), Maxime GAUBERTI (Université de Caen Normandie, FRA), Rick DIJKHUIZEN (UMC Utrecht, NLD), Uwe HIMMELREICH (KU Leuven, BEL) and Mariane LE FUR (Harvard, USA)

### MULTIMODAL APPROACHES TO IMAGE INFLAMMATION AND THE IMMUNE RESPONSE

Hervé BOUTIN (iBRAIN, FRA), Charles TRUILLET (BioMaps, FRA), Alexis BROISAT (INSERM UMRS 1039, FRA), Swannie PEDRON (INSERM U1237, FRA), Alkystis PHINIKARIDOU (King's College London, GBR) and Sonia WAICZIES (Berlin Ultrahigh Field Facility, DEU)

### EX VIVO / IMAGE ANALYSIS / TRANSLATIONAL HURDLES

Greet KERCKHOFS (UCLouvain, BEL), Twan LAMMERS (RWTH Aachen University Clinic, DEU) and Mathieu PERNOT (Institute Physics for Medicine Paris, FRA)

## PHASE II PRACTICAL



June  
9-12, 2026



Caen

**The Phase II** The participants will learn all the steps involved in an immuno-imaging experiment for MRI, MPI and photoacoustic imaging in rodents. This includes contrast agent synthesis, design of in vivo experiments (brain, heart, lungs and intestinal imaging), methods of tracer administration and image analysis. Therefore, the participants will synthesize their own targeted contrast agent, perform immuno-imaging in experimental models using the contrast agent that they synthesized, and analyze the images that they acquired. This hands-on experience will provide a comprehensive understanding of the entire immuno-imaging workflow.

**SELECTION:** 8 trainees will be selected among Phase I participants.

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