

Inserm Workshop 288

Nouvelles techniques d'imagerie non-invasive de l'inflammation et de la réponse immunitaire

New methods to image inflammation and the immune response

27-29 mai 2026 / May 27-29, 2026 ■ **Bordeaux, France**

Mercredi 27 mai 2026 ■ **Wednesday May, 27th 2026**

15:30 - 16:00	Reception of participants
16:00 - 16:15	Welcome and presentation by the organizers
SESSION I	Imaging modalities and contrast agents
16:15 - 17:00	Magnetic Resonance Imaging (MRI), paramagnetic and superparamagnetic contrast agents Thomas VANGIJZEGEM (Mons University, Mons, Belgium)
17:00 - 17:30	Coffee break
17:30 - 18:15	Magnetic Particle Imaging (MPI) and Tracers Paula FOSTER (Robarts Research Institute, Ontario, Canada)
18:15 - 19:00	PET, SPECT and radioisotopes Jordi LLOP (CIC BiomaGUNE, San Sebastian, Spain)
19:30	Dinner

Jeudi 28 mai 2026 ■ **Thursday May, 28th 2026**

06:30 - 08:30	Breakfast
SESSION II	Immuno-MRI and Immune-cell tracking
08:30 - 09:15	Metallic nanoparticles for immune cell monitoring and reprogramming Florence GAZEAU (CNRS, Paris, France)
09:15 - 10:00	Immuno-MRI : particle synthesis, margination and targeting Maxime GAUBERTI (Université de Caen Normandie, France)
10:00 - 10:30	Coffee break
10:30 - 11:00	MRI markers of neuroinflammation after stroke Rick DIJKHUIZEN (University Medical Center Utrecht, Netherlands)
11:00 - 11:30	MRI of cardiovascular inflammation Uwe HIMMELREICH (KU Leuven, Leuven, Belgium)
11:30 - 12:00	Cell tracking using radiolabelled nanomaterials Juan PELLICO (Institute of Materials Science of Barcelona (ICMAB-CSIC), Spain)
12:00 - 14:00	Lunch

SESSION III	Multimodal approaches to image inflammation and the immune response
14:00 - 14:30	PET and SPECT imaging of inflammation Hervé BOUTIN (iBRAIN, Tours, France)
14:30 - 15:00	Immuno-PET of Immune Cell Trafficking: From Target Selection to Quantitative Interpretation Charles TRUILLET (BioMaps, Orsay, France)
15:00 - 15:30	Nanobody-based imaging agent for the molecular imaging of inflammation/immune response Alexis BROISAT (INSERM UMRS1039, Grenoble, France)
15:30 - 16:00	Coffee Break
16:00 - 16:30	Immuno-MPI of lung and systemic inflammation Swannie PEDRON (Harvard, Boston, USA)
16:30 - 17:00	Multi-modal imaging of fibrosis and inflammation in cardiovascular diseases Alkystis PHINIKARIDOU (King's College London, United Kingdom)
17:00 - 17:30	¹⁹ F-MRI of neuroinflammation Sonia WAICZIES (Max Delbrück Center for Molecular Medicine, Berlin, Germany)
19:30 - 20:15	Cocktail
20:15	Dinner

Vendredi 29 mai 2026 ■ **Friday May, 29th 2026**

06:30 - 08:30	Breakfast
SESSION IV	Ex vivo / Image analysis / Translational hurdles
08:30 - 09:15	Ex vivo X-ray-based 3D histology of biological tissues for the characterization of inflammation and immune responses Greet KERCKHOFS (Catholic University of Louvain, Belgium)
09:15 - 10:00	Imaging tools and technologies to improve nanomedicine performance and clinical translation Twan LAMMERS (ExMI, RWTH Aachen University Clinic, Germany)
10:00 - 10:30	Coffee Break
10:30 - 11:15	Super-resolution ultrasound imaging: from mice to humans Mathieu PERNOT (Institute Physics for Medicine Paris, France)
11:15 - 12:00	ROUND TABLE: Translational Hurdles for Immuno-imaging in humans
12:00 - 14:00	Lunch
14:00	Departure

Une ou deux sessions de posters sont prévues ; le format exact sera déterminé en fonction du nombre de participants présentant un poster.

One or two poster sessions are planned; the exact format will be determined based on the number of poster presenters.