

PROGRAMME

5ÈME JOURNÉE SCIENTIFIQUE DE L'INSTITUT « MARSEILLE IMAGING »

ORGANIZING COMMITTEE



S. Enoch



M. Bernard



M-E. Bellemare



C. Lavoûte



A. Guedas

FRIDAY, FEBRUARY 23RD, 2024

MARSEILLE IMAGING INSTITUTE ORGANIZES THE
FIFTH SCIENTIFIC DAY OF THE INSTITUTE.

THIS YEAR, WE HIGHLIGHT:

- IMAGING RESEARCH BY OUR **NEW ARRIVALS**
- THE WINNING PROJECTS OF THE " **RESEARCH 2023** " CALL FOR PROJECTS

WE HAVE THE CHANCE TO BRING TOGETHER
MEMBERS OF OUR STRATEGIC COMMITTEE IN
RESEARCH AND TRAINING.

THIS EVENT IS ORGANIZED IN FACE-TO-FACE TO
ENSURE THE CROSS-FERTILIZATION OF DISCIPLINES
AND TO PROMOTE CONTACTS BETWEEN STUDENTS,
RESERACHERS, TEACHERS AND INDUSTRIAL
PARTNERS.

ENJOY...

INTRODUCTION

MONIQUE BERNARD, DIRECTOR OF MARSEILLE IMAGING INSTITUTE

SESSION 1 - 8H30



P. Robert



J. Lumeau



S. Tlili



T. Grunewald

WINNER RESEARCH 2023

Philippe Robert & Julien Lumeau

LAI & Fresnel institute

OptImmum PROJECT: Biochips for functional tests
in immunology

NEW ARRIVALS

Sham Tlili

IBDM

Exploring the biophysics of embryonic organoids
self-organization and morphogenesis with
multiphoton microscopy

Tilman Grunewald

Fresnel Institute

X-ray texture tomography as a quantitative tool to
image polycrystalline materials in 3D

Coffee Break





A. Lombardini



P. Roudot



R. Haast



V. Lopez Madrona

WINNER RESEARCH 2023

Alberto Lombardini & Thomas Chaigne

INT & Fresnel Institute

Photoacoustic PROJECT: Photoacoustic imaging of neuronal activity in mice and non-human primates

NEW ARRIVALS

Philippe Roudot

Fresnel Institute

Tracking cellular processes in fluorescence imaging: from pattern recognition to pattern mining

Roy Haast

CRMBM

Multi-scale subcortical gray matter alterations in focal epilepsy

Victor Lopez Madrona

INS

Boosting electrophysiology with Independent Component Analysis: identification of neural sources in LFP, SEEG and MEG

Lunch Break





E. Helfer



E. Franceschini



S. Heuke



L. Soustelle

WINNER RESEARCH 2023

Emmanuèle Helfer & Emilie Franceschini

CINAM & LMA

SSAMU PROJECT: Blood structuring using
microfluidic and ultrasound approaches

NEW ARRIVALS

Sandro Heuke

Fresnel Institute

Coherent Raman imaging

Lucas Soustelle

CRMBM

Quantitative Magnetic Resonance Imaging of
the Central Nervous System



A. Bouhlel



R. Boisgard



F. Bard



P. Habert



Khan Le Thi

WINNER RESEARCH 2023

Ahlem Bouhlel & Rémy Boisgard

CERIMED & CRCM

AP*SdAb PROJECT: 68Ga-labeled anti-APJ nanobody development for PET imaging of tumor angiogenesis

NEW ARRIVALS

Frederic Bard

CRCM

High-content genetic screens in human cells using high throughput confocal imaging

Paul Habert

LIIE

Title in coming

Khan Le Thi

RNAoTher

Developing active targeting LASO-based nanoparticles for theranostic in Prostate cancer treatment