

Organizing Committee



Friday, February 10th, 2023

Marseille Imaging Institute organizes the fourth scientific day of the institute.

This year, we highlight:

- the winning projects of the " Equipex + " call for projects
- the winning projects of the " Research 2022 " call for projects
- **doctoral students** funded by the institute.

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...



FRANCE-BIOIMAGING



CERIMED

Nos partenaires

INTRODUCTION – Stefan ENOCH, Director of Marseille Imaging Institute – 8:45 AM

« Session 1 » - 9 AM



P. GARRIGUE



D. BERTIN



R. YADAV

RESEARCH 2022

Philippe GARRIGUE, « **Hyd*Stroke Project** : Radiolabellable hydrogel and theranostic applications: proof of concept in a rat model of stroke »

Centre de Recherche en CardioVasculaire et Nutrition (C2VN)

Centre Européen de Recherche en Imagerie Médicale (CERIMED)

Institut de Chimie Radicale (ICR)

EQUIPEX+

Denis BERTIN , « **HIPE Project** : Health Improvement through Physical Exercise »

Institut des Sciences du Mouvements (ISM)

STUDENT

Rohit YADAV , « Development of normative and pathological models of cortical folding by machine learning on graphs »

Institut des Neurosciences de la Timone (INT)

Coffee Break



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Nos partenaires

« Session 2 » - 11 AM



A. DESTRUEL



S. BRUSTLEIN



J. FOURNEL

RESEARCH 2022

Aurélien DESTRUEL, « 7T-USCI Project : 7T Unrestricted Spinal Cord Imaging : new techniques for new insights! »

*Centre de Résonance Magnétique Biologique et Médicale (CRMBM)
Institut Fresnel*

EQUIPEX+

Sophie BRUSTLEIN , « Circuitphotonic Project : Neural Circuit Dynamics Imaging Center »

Institut de Neurobiologie de la Méditerranée (INMED)

STUDENT

Joris FOURNEL , «Deep learning for thoracic imaging segmentation to improve cardiovascular risk prediction »

*Centre de Résonance Magnétique Biologique et Médicale (CRMBM)
Institut de Mathématiques de Marseille (I2M)*

Lunch Break



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« Session 3 » - 2 PM



A. SERGE



L. LE GOFF

S. NIMJE

RESEARCH 2022

Arnaud SERGE, « **RANKnanodyn Project** : Molecular dynamics of the immunological synapse during leukemogenesis by videonanoscopy »

Laboratoire d'Adhésion et d'Inflammation (LAI)

Centre d'Immunologie de Marseille Luminy (CIML)

EQUIPEX+

Loïc LE GOFF, « **IDEC Project** : Computational Imaging and Detection »

Institut Fresnel

STUDENT

Swetali NIMJE, « Machine learning to accelerate acquisition and reconstruction of multiparametric brain Magnetic Resonance Imaging »

Centre de Résonance Magnétique Biologique et Médicale (CRMBM)

Laboratoire d'Informatique et des Systèmes (LIS)

Coffee Break



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« [Session 4](#) » - 4 PM



G. HACHE



M. OULADSINE



M-T. PHAM

RESEARCH 2022

Guillaume HACHE, « BTKognition Project : Targeting NLRP3 inflammasome via BTK to prevent the progression of CKD-induced cognitive disorders »

Centre de Recherche en CardioVasculaire et Nutrition (C2VN)

Centre Européen de Recherche en Imagerie Médicale (CERIMED)

Institut de NeuroPhysiopathologie (INP)

EQUIPEX+

Mustapha OULADSINE, « 4D-OMIX Project : Building a regional numerical instrument for multi-scale quantitative biology »

Laboratoire d'Informatique et des Systèmes (LIS)

STUDENT

Minh Tuan PHAM , « Contribution by machine learning by deep neural networks of molecular neuroimaging data for differential diagnosis of psychiatric pathologies »

Centre Européen de Recherche en Imagerie Médicale (CERIMED)

Institut Fresnel

Closing speech – Stefan ENOCH



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