



INRAE



UNIVERSITÀ
DEGLI STUDI
FIRENZE

MICAFRICA Partner: Presentation of IHU Méditerranée Infection.

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MICAFRICA



IHU Méditerranée Infection



A smart building of 21,186 m² :

9,589 m² dedicated to diagnosis, research and teaching, including 470 m² of offices for industrial partners

3,113 m² dedicated to care, with approximately 75 full hospital beds including 25-day hospital beds and 25 beds in very high-level isolation units (NSB3)

Home to about 700 employees: 500 for the AP-HM, 200 for Aix-Marseille University and the various research organizations (INSERM, CNRS, IRD ...)

The physical presence of industrial partners in the IHU for practical management of the transfer to industry; a space dedicated to the incubation of startups and spin-offs, as well as the establishment of a transparent management of conflicts of interest.



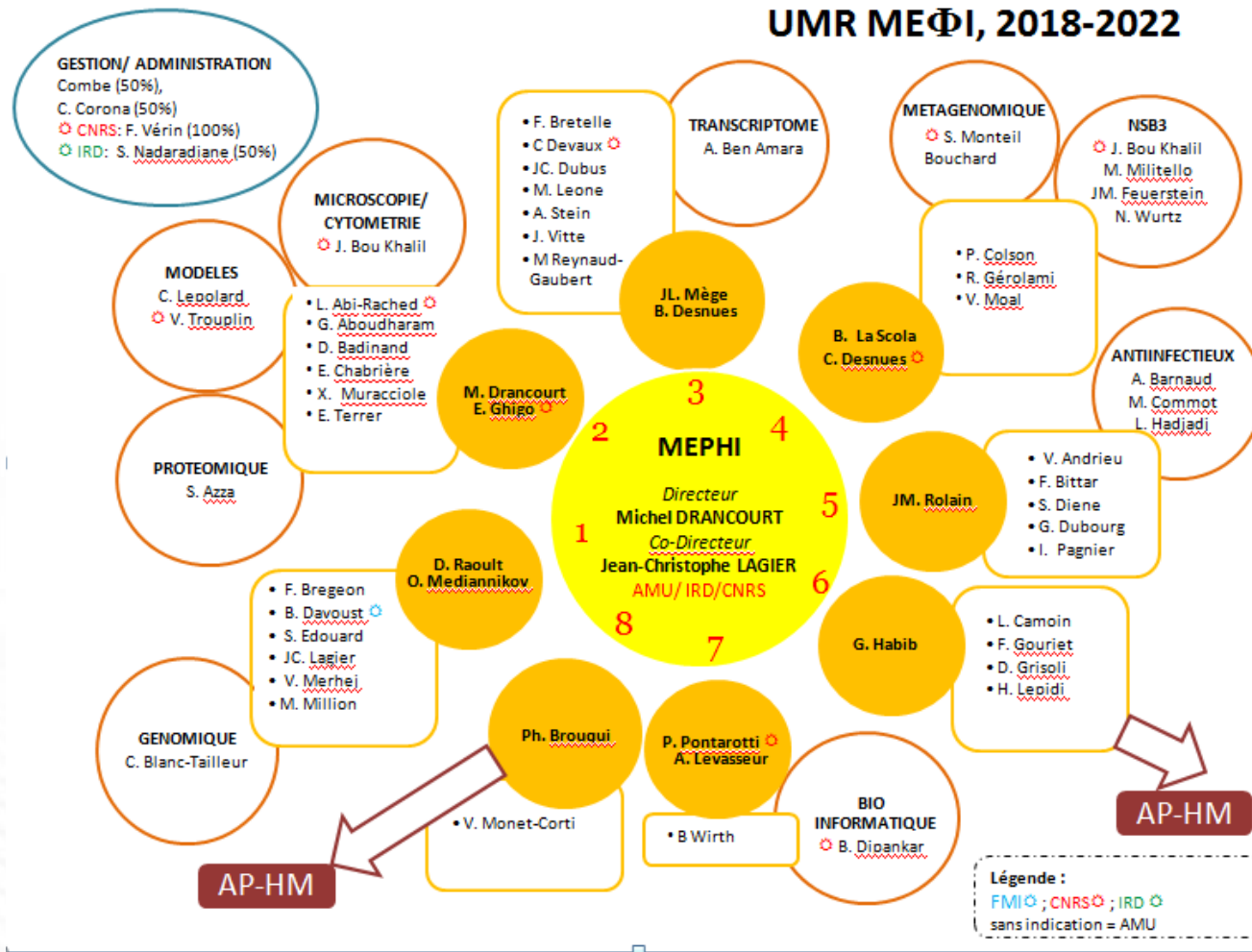
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MEΦI

Microbes, Emergence, Phylogénie, Infection

UMR MEΦI, 2018-2022



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Scientific framework of the MEΦI

- A place of discoveries
 - Repertoire of the living in microbiota
 - Eukaryotes (\pm bacteria, retroviruses)
 - Bacteria
 - Archaea
 - Viruses
 - « Truc » (giant virus with DNA)
 - Viroids
 - Interactions between microbiota – microbiota
 - Interactions between microbiota – environment
 - Interactions between microbiota – host

MEFI, PLATFORMS

- Laboratory NSB3 – Biobank: 1.000 m²
- Culture / NSB3
- **Genomics and Metagenomics**
- Proteomics
- Lyophilization
- Electron microscopy: Hitashi
- Imagery
- Experimental animal models
- On microbial infections established NSB3 / A3
- Collections of strains and samples
- Structural biology



➤ Genomics and Metagenomics platform

Staff numbers: 2 engineers, 4 technicians and 2 microbiologists (PhD)

Materials

Oxford NANOPORE technologies

- 3 MINION sequencing machines
- 1 PROMETHION sequencing machines
- 2 GRIDION sequencing machine

Illumina technologies

- 4 Mi-seq sequencing machines
- 1 I-seq sequencing machine

DNA/RNA extraction machines

- 4 EZ1 machines
- 3 kingfisher machines

