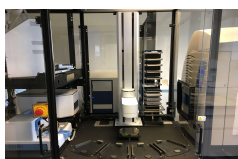
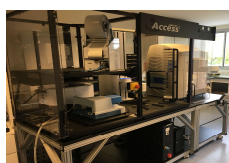


The Marseille Screening Center (MaSC) brings together 3 platforms specialized in the development and implementation of new technologies dedicated to the screening of libraries, the drug design and the discovery of new bioactive molecules. MaSC is a major asset involved in scientific research in the field of antiviral compounds and protein-protein interaction inhibitors.

HITS

protein-protein interaction inhibitors:

Protein production and purifications
Development and miniaturization of assays
Robotized High throughput screening
Chemoinformatic and molecular modeling

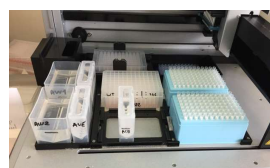


xavier.morelli@inserm.fr

Screening Platform from Marseille Timone (PCVMT)

Antiviral target in cellulo :

Screening against viruses (wild type and clinical isolates)
Resistance assays



Bruno.Coutard@univ-amu.fr

Screening Platform from Marseille-Luminy (PCML)

Antiviral target in vitro :

Proteins production and purification
Development and miniaturization of assays
Robotized screening
Biochemical characterization of hit compounds



Jean-Claude.Guillemot@univ-amu.fr

HITS

- Molecular modeling (3D-Model, structural alignment, virtual mutagenesis)
- Molecular dynamics simulations
- Docking (protein/protein ; protein/ligand)
- In silico screening (High throughput docking, pharmacore filtering, similarity research)
- Medicinal chemistry (Hit to lead optimization, QSAR...)
- Database management (In house database, dedicated database)
- High throughput screening (miniaturization , 384/1536 wells, assays developments)
- Protein-protein or protein-ligand inhibitors screening
- Biophysical characterization by orthogonal techniques (TSA, ITC...)
- Protein production and purifications

PCML

- Production and purifications of a collection of viral enzymes
 - Enzymes inhibitors screening (assays developments (radioactivity, fluorescence, HTRF...), miniaturization (96/384 wells))
 - Protein-protein inhibitors screening
- Biophysical characterization by orthogonal techniques (polarisation, TSA...)
- Providing chemical libraries (in house or oriented chemical libraries)

Your
project

PCVMT

-In cellulo screening in P3/P3+
(infected cells with wild-type virus or viral clinical isolates, resistance assays...)

In order to speed-up the discovery process of bioactive compounds, we have developed a screening workstation center, dedicated both to academic and industrial prestations and/or collaborations . The combination of our experiences and know-how creates a dynamic interface conducive to the development and optimization of your projects.