

DEPARTMENT OF MOLECULAR PHARMACOCHEMISTRY

UMR 5063


Université
Grenoble Alpes**Drug chemistry****Synthesis****Analytical chemistry****Drug delivery****Chemobiology****Aptamer****SELEX**

KEY FIGURES:

23 permanent researchers
and lecturers**11** technical and
administrative staff**13** PhD students and
postdoctoral researchers**21** publications per year
(on average)**5** patents over the last
5 years

OVERVIEW

The Department of Molecular Pharmacochemistry (dpm) focuses on pharmaceutical and biomedical sciences, developing both fundamental molecular-level research and applications that address hospital needs. The lab has comprehensive expertise from the development of active pharmaceutical compounds to targeted drug delivery systems, as well as the analysis and quantification of specific targets for diagnostic devices.

RESEARCH TOPICS

- Development of innovative therapeutic approaches, from emerging biomacromolecular targets to original strategies for treating diseases.
- Design of new drug delivery systems combining drug encapsulation, barrier penetration, targeting, and release in living systems.
- Development of original analytical devices for bio-detection and bio-quantification, ranging from ions to microorganisms in complex environments.

