CBH Graduate School
Université Grenoble Alpes

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CHEMISTRY

DEPARTMENT OF MOLECULAR CHEMISTRY

UMR 5250

(Bio)electrochemistry | *(Bio)organic Chemistry* | *(Bio)inorganic Chemistry* | *(Bio)molecular Interactions* | *Photophysical Chemistry and advanced spectroscopy* | *Theoretical Chemistry*

KEY FIGURES:

58 permanent researchers and lecturers

20 technical and administrative staff

48 PhD students and postdoctoral researchers

80 publications per year (on average)

18 patents over the last 5 years

OVERVIEW

The *Department of Molecular Chemistry (DCM)* in Grenoble conducts research projects aligned with major societal challenges, including health, well-being, and sustainable energy. Its work spans fundamental aspects of molecular chemistry and draws on a broad range of expertise, from organic and inorganic chemistry to theoretical chemistry, electrochemistry, photochemistry, and catalysis.

RESEARCH TOPICS

- **Design and study of (bio)molecules with applications in health, catalysis, and green energy production.**
- **Development of molecular systems and hybrid assemblies for applications ranging from sensing to energy conversion and storage.**
- **Advanced simulations, multiscale modeling, data-driven approaches, and AI, to decipher the reactivity, interactions, and properties of molecular systems.**

https://dcm.univ-grenoble-alpes.fr/