

# UE Drug action and drug design



ECTS  
6 credits



Component  
UFR Chimie-  
Biologie

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** YAX8BI23

## Presentation

### Description

The course will aim at giving, through examples of existing drugs, an overview of the strategies used for drug development, from the identification of a molecular target to the marketing of an active product. The course will include presentations about enzyme catalysis and enzyme kinetics with particular emphasis on inhibition, on the problems faced when developing a drug and on computational approaches used in this field. The course will include sessions of computer analysis of enzyme kinetic data and of tutorials of molecular modeling.

### Course parts

UE Drug action and drug design - TD	Tutorials (TD)	15h
UE Drug action and drug design - TP	Practical work (TP)	9h
UE Drug action and drug design - CM	Lectures (CM)	22,5h

### Recommended prerequisites

Biochemistry (L3) (keywords: structure of the macromolecules, protein function, enzymology)

**Period :** Semester 8

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## Skills

Understanding the theoretical and experimental concepts of enzyme catalysis and enzyme kinetics, acquiring initial bases in computational methods for drug design and drug screening.

## Useful info

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## Contacts

Program director

**Marc Jamin**

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## Place

› [Grenoble](#)

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## Campus

› [Grenoble - University campus](#)