

UE Drug action and Drug Design

 ECTS
6 crédits

 Composante
UFR de Chimie
et de biologie

 Période de
l'année
Printemps (janv.
à avril/mai)

Diplômes intégrant cet élément

- Master Biologie - Santé

- Langue(s) d'enseignement: Anglais
- Ouvert aux étudiants en échange: Oui
- Code d'export Apogée: YAX8BI23

Présentation

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.

Heures d'enseignement

CM	CM	28h
TP	TP	9h
TD	TD	18h

Pré-requis recommandés

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

Période : Semestre 8

Compétences visées

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

Infos pratiques

Contacts

Responsable pédagogique

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Lieu(x) ville

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