

UE Recent advances and applications in structural biology

 ECTS
6 crédits

 Composante
UFR de Chimie
et de biologie

 Période de
l'année
Toute l'année

Diplômes intégrant cet élément

- Master Biologie - Santé

- › Langue(s) d'enseignement: Anglais
- › Ouvert aux étudiants en échange: Oui
- › Code d'export Apogée: YASB9U15

Présentation

Description

The course will present new developments in the structural characterization of macromolecules and their applications in biology, as well as new major discoveries in structural biology. For each topic, the course will include a lecture by a specialist in the field that will provide an overview of the subject, of the current state of development and of the future prospects. The course will address topics such as time-resolved crystallography, solid-state NMR, molecular dynamics simulations, single molecule observation and manipulation, as well as recent examples of applications taken from the literature. Each topic will also include presentations of recent publications by the students.

Heures d'enseignement

CM	CM	30h
TD	TD	10h

Période : Semestre 9

Compétences visées

Knowledge of the current developments in structural biology, exposure to various recent discoveries in structural biology.

Infos pratiques

Contacts

Responsable pédagogique

Marc Jamin

✉ Marc.Jamin@ibs.fr

Lieu(x) ville

➤ Grenoble

Campus

➤ Grenoble - Domaine universitaire