

Faculty of Medicine

**FARM1008 Design of the drug**

[15h+15h exercises] 3 credits

Teacher(s): Véronique Prémat, Paul Tulkens (coord.)
Language: French
Level: First cycle

Aims

The aim of the course is to explain the different steps in the discovery of a new drug to its delivery to the patient and to lead to the understanding of the interaction of the different scientific domains involved in drug conception. In this content, the student will learn to use scientific data banks criticize the information and for good scientific communication

Main themes

The course will present the long path in the development of a new drug using examples, it will illustrate the design of new chemical entities, pre-clinical development and clinical studies.

During seminar, small group of the students will acquire the competences mentioned in the objectives.

Content and teaching methods

During the course, the steps involved in the development of a new drug will be described from chemistry in drug design to drug marketing. The relation of the key steps with the different courses that will be taught will be explained.

The student will prepare and present orally a drug and discuss different topics e.g. how was it discovered ? How is it delivered ? What are the key information in the scientific notice of the marketed drugs ?

Other credits in programs

FARM11BA	Première année de bachelier en sciences pharmaceutiques	(3 credits)	Mandatory
-----------------	---	-------------	-----------