

3 credits

20.0 h + 10.0 h

Q2

Teacher(s)	Feron Olivier ;Hermans Emmanuel coordinator ;Mingeot Marie-Paule ;Sonveaux Pierre ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	Through the description of recent research, the functioning of certain receptors, certain enzymes, transporters are becoming better known. This makes it possible to better define their potentiality as drug targets. The course of molecular pharmacology gives the opportunity to deepen the exploration of molecular mechanisms that are involved in the responses to certain drugs. The course is structured around a few examples of pharmacological targets already exploited or not exploited to date, but promising for future developments. This is the case, for example, of membrane receptors and regulating intracellular proteins, conveyors or efflux pumps.
Aims	<p>The objective of the course is to train students to understand the complexity of molecular targets used in pharmacology. This complexity constitutes a wealth in the development of drugs with better selectivity and efficiency.</p> <p>1 The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled 'Programmes/courses offering this Teaching Unit'.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	Written exam with questions of reflection (open question). No memorization, but understanding, critical thinking and an effort of synthesis.
Content	The course is given in a small committee of about fifteen students and allows to engage in real discussions around new concepts inspired by recent publications. Even if the therapeutic effects are reflected at the level of the organ or the whole organism, the course focuses mainly on molecular mechanisms.
Bibliography	<ul style="list-style-type: none"> • pdf des slides du cours disponibles sur moodle l'essentiel des documents présentés aux cours sont accessibles sur Internet via la plateforme Moodle accessible aux membres de la communauté universitaire.
Other infos	Teaching schedule: 2-h modules attributed in part to teachers of Medicinal Chemistry, Pharmacology and/or Pharmacotherapy having interest and competencies for new drug development in respect to the compounds that will be addressed (independent experts could also be invited).
Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Pharmacy	FARM2M	3		