

2.0 credits	15.0 h
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Teacher(s) :	Haufroid Vincent ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	Genomics basis Clinical applications of pharmacogenomics
Aims :	To understand the variability of human genome, its polymorphisms, their frequencies and evolution (genomics) and the importance of genetic variations for pharmacological treatments. <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>
Content :	The formation will include genomics basis including a review of analytical techniques for the detection of genetic variants and the measure of gene expression differences. The main part of the formation will focus on the influence of genetic polymorphisms on the clinical response (therapeutic efficacy + adverse drug reaction) after drug administration. Future perspectives in term of personalized medicine will be also presented.
Other infos :	Pre-requisite : General and special pharmacology Evaluation : written examination and personalized work (presentation of a topic in the field of pharmacogenomics).
Cycle and year of study :	> Master [120] in Biochemistry and Molecular and Cell Biology > Certificat universitaire en pharmacie clinique
Faculty or entity in charge:	FARM