

2.0 credits	30.0 h	1q
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Teacher(s) :	Courtens Winnie (coordinator) ; Dumoulin Christine ; Poirel Hélène ; Vikkula Miikka ; Revencu Nicole ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	<ol style="list-style-type: none"> 1. Basic concepts reminder: the eukaryotic genome and the regulation of gene expression. 2. Methodological concepts : principles of genotypic analyses, restriction polymorphisms, mapping the human genome, inverse genetics, genotypic diagnostics. 3. Molecular biology and diseases. Molecular genetics of a few constitutive diseases, diseases caused by exogenous DNA, filiation analysis through molecular pedigree, gene therapy, industrial molecular biology.
Aims :	<p>Illustrate the impact of molecular biology on our understanding of hereditary and acquired human diseases. Technical aspects are left out, as they are dealt with in other courses.</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>
Content :	<ol style="list-style-type: none"> 1. Basis concepts. 2. Methods. 3. Molecular genetics of some constitutive diseases. 4. Diseases caused by exogenous DNA. 5. Molecular pedigree. 6. Gene therapy. 7. Industrial molecular biology
Other infos :	<p>Lecturing.</p> <p>Evaluation through either a personal essay on one of the topics included in the lectures, or a conventional written examination.</p>
Cycle and year of study :	<p>> Master [120] in Biochemistry and Molecular and Cell Biology</p> <p>> Bachelor in Medecine</p> <p>> Master [240] in Medecine</p> <p>> Advanced Master in Forensic Medicine</p>
Faculty or entity in charge:	MED