

4.00 credits

30.0 h + 20.0 h

Q2

Teacher(s)	Clotman Frédéric ;Gofflot Françoise ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	It is advisable to have a good prior knowledge of the topics covered by the courses LBIO1234; LBIO1235; LBIO1236.
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <ul style="list-style-type: none"> <li>• understand and describe the fundamental processes underlying the development of the mammalian central nervous system ;</li> <li>• identify and describe the molecular actors involved and their signalling pathways</li> <li>• demonstrate an understanding of the general principles of complex brain functions studied in the course ;</li> <li>• understand and describe the characteristics and molecular mechanisms involved in the different pathologies studied;</li> <li>• understand, describe and discuss the neurodegenerative mechanisms and regenerative processes of the adult mammalian nervous system.</li> <li>• analyse and comment on an article from the recent scientific literature related to the topics covered during the ex cathedra course, seminars and reverse classes.</li> </ul>
Bibliography	<p>Ouvrages de référence :</p> <ol style="list-style-type: none"> <li>1. Neurosciences (Purves <i>et al.</i>, éditions de Boeck).</li> <li>2. Psychobiologie (Breedlove <i>et al.</i>, éditions de Boeck)</li> </ol> <p>Articles de la littérature récente</p>
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Additionnal module in Biology	<a href="#">APPBIOL</a>	4		