


4.00 credits

30.0 h + 20.0 h

Q2

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| 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>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> • understand and describe the fundamental processes underlying the development of the mammalian central nervous system ; • identify and describe the molecular actors involved and their signalling pathways • demonstrate an understanding of the general principles of complex brain functions studied in the course ; • understand and describe the characteristics and molecular mechanisms involved in the different pathologies studied; • understand, describe and discuss the neurodegenerative mechanisms and regenerative processes of the adult mammalian nervous system. • 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. |
| Bibliography | <p>Ouvrages de référence :</p> <ol style="list-style-type: none"> 1. Neurosciences (Purves <i>et al.</i>, éditions de Boeck). 2. Psychobiologie (Breedlove <i>et al.</i>, éditions de Boeck) <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 | APPBIOL | 4 | |  |