# lbio1349

*2025*

# Neurobiology

The version you're consulting is not final. This course description may change. The final version will be published on 1st June.

| 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 | **At the end of this learning unit, the student is able to :**<br>• understand and describe the fundamental processes underlying the development of the mammalian central nervous system ;<br>• identify and describe the molecular actors involved and their signalling pathways<br>• demonstrate an understanding of the general principles of complex brain functions studied in the course ;<br>• understand and describe the characteristics and molecular mechanisms involved in the different pathologies studied;<br>• understand, describe and discuss the neurodegenerative mechanisms and regenerative processes of the adult mammalian nervous system.<br>• 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 | Ouvrages de référence :<br><br>1. Neurosciences (Purves *et aL*, éditions de Boeck).<br>2. Psychobiologie (Breedlove et al., éditions de Boeck)<br>Articles de la littérature récente |
| Faculty or entity in charge | BIOL |

| Programmes containing this learning unit (UE) | | | | |
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| Program title | Acronym | Credits | Prerequisite | Learning outcomes |
| Additionnal module in Biology | APPBIOL | 4 | | 🔍 |