# Teaching for international courses

## Visiting Professors

### Academic year 2018/2019

<table>
<thead>
<tr>
<th>2nd term</th>
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<tbody>
<tr>
<td><strong>COURSE TITLE</strong></td>
<td>Developmental Neurobiology</td>
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<tr>
<td><strong>Scientific area</strong></td>
<td>Comparative anatomy and cytology</td>
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<td><strong>Department of</strong></td>
<td><strong>Life Sciences and Systems Biology</strong></td>
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<td><strong>Language used to teach</strong></td>
<td>English</td>
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<tr>
<td><strong>Teaching Commitment:</strong> 16 hours</td>
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### Course summary

The teaching will be integrated in the Course “Developmental Neurobiology” and will be focussed on the cellular/molecular mechanisms involved in the development of the cerebral cortex, in both normal and pathologic conditions.

### Learning objectives

The goal of this module is to teach and train master students in the latest developments in the field of neural circuit development, plasticity and disease through the direct and active interaction with an internationally recognised expert in the field.

Through the analysis of the most recent literature and active discussion, the students will develop critical thinking and knowledge on the cellular/molecular mechanisms underlying normal development, function and dysfunction of the nervous system. Students will learn from an experienced researcher how to address problems, formulate research questions and design experiments. They will also acquire in-depth knowledge of the novel, cutting-edge approaches and technologies now available to investigate specific aspects of nervous system development. During the course, a strong emphasis will be placed on critical analysis to provide not only a thorough understanding of the great potential, but also of the difficulties and pitfalls present in this highly sensitive field.

### Lab activities

8 hr will be dedicated to education in small group supervised by the teacher to foster a deep understanding of the topics presented during the course. Students will be required to present focused scientific papers on the subject and discuss them and/or to develop a small research projects on specific aspects. These activities will be designed in order to promote the active participation of each student.
Other activities besides the course: i.e. seminars and conferences addressed to PhD students and research fellows, dissemination conferences.
The visiting Professor will be invited to give a Lecture in the cycle organized by the PhD School in Neuroscience (open to a wide audience of PhD students and fellows) and to meet the PhD students interested in discussing their projects.

Visiting Professor Profile
The Visiting Professor should be an internationally recognized specialist in the field of neural development, with a long lasting and documented track-record in the molecular control of cerebral cortex development, plasticity and disease. She/he should have experience in teaching, in particular in the relevant area of neural development at the level of advanced master and/or early PhD students. We seek someone with over 15 years experience in the neural development research field and a clear profile in neuroscientific topics relevant for our population of master students.

Contact person at the Department
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