### Testi del Syllabus

**Resp. Did.** MERONI GERMANA

**Matricola:** 022803

**Docenti**

MALLAMACI ANTONIO, 3 CFU
MERONI GERMANA, 3 CFU

**Anno offerta:** 2017/2018

**Insegnamento:** 672SM - NEUROGENETICA DELLO SVILUPPO

**Corso di studio:** SM54 - NEUROSCIENZE

**Anno regolamento:** 2017

**CFU:** 6

**Settore:** BIO/18

**Tipo Attività:** B - Caratterizzante

**Anno corso:** 1

**Periodo:** Primo Semestre

**Sede:** TRIESTE

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### Testi in italiano

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<th>Lingua insegnamento</th>
<th>English</th>
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Testi di riferimento | Material provided during the course as Lecture presentations and original research articles and reviews. Suggested support book: Developmental Biology, Gilbert, 9th-11th ed.
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Obiettivi formativi | The aim of this course is to provide the bases for understanding nervous system organization through the study of the major events of brain and spinal cord embryological development, at the genetic, molecular and cellular level. Additionally, the course provides the instruments to understand the experimental genetic approaches that are necessary to undertake neurodevelopment studies.
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Prerequisiti | Basic knowledge of Molecular Biology, Cellular Biology and Genetics
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Metodi didattici | Traditional lectures integrated with Journal clubs discussing seminal research papers on neurodevelopmental genetics.
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Altre informazioni | None
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Modalità di verifica dell'apprendimento | Students will be required to take a final examination that consists of: i) a written part with 20 multiple choice questions (in 1:30 hour time); ii) a 20-30 minute-oral-interview to discuss the written test as well as other topics addressed during the course.
--- | ---
Programma esteso | The course will address central nervous system embryonic development in vertebrate species, in particular mammals, at genetic, molecular and cellular levels. During the course, the experimental tools necessary for investigating the above topics will be also discussed. The course is given by prof. Germana Meroni and prof. Antonello Mallamaci; the contents of the course are illustrated here below.
Early vertebrate development, from cleavage to gastrulation, and body axes specification.
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None