



neuroscience
school of
advanced
studies

COURSES 2015

Advanced Course **Neural Stem Cells: Development and Brain Repair**

Villa Finaly, Florence. Tuscany

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Coordinator:

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Topics that will be focus of the Course include:

- Properties of neural stem cells in neurogenesis and neurorepair
- Translating the natural history of human striatal development into pluripotent stem cell differentiation
- New insights into the diversity of neural stem and progenitor cells in human cortical development
- Human pluripotent stem cells - from development to disease modeling and cell therapy
- Spinal cord patterning, transcriptional programming of motor neuron identity and ALS disease modeling
- Translating neural stem cell biology into biomedical applications
- Stem Cell Therapy for Parkinson's Disease