
Testi del Syllabus

Resp. Did.	LEANZA Giampiero	Matricola: 007329
Docente	GUSTINCICH STEFANO	Matricola: 009612
Anno offerta:	2015/2016	
Insegnamento:	897SM - NEUROLOGIA	
Corso di studio:	SM54 - NEUROSCIENZE	
Anno regolamento:	2015	
CFU:	9	
Settore:	BIO/09	
Tipo Attività:	B - Caratterizzante	
Anno corso:	1	
Periodo:	Secondo Semestre	
Sede:	TRIESTE	



Testi in italiano

Lingua insegnamento	Inglese
Contenuti (Dipl.Sup.)	Neurogenesis in the adult CNS: evidences, functional implications and possible clinical use Neural stem cells: sources, handling and potential for brain repair Anatomical and functional CNS plasticity: models and analyses Neural transplantation: concept, models and technical procedures Parkinson's disease: clinical presentation, models and experimental therapeutic approaches Alzheimer's disease: clinical presentation, models and experimental therapeutic approaches Further topics may be added and discussed, should they be considered of interest
Testi di riferimento	There is no textbook. Scientific articles and reviews on specific topics will be provided during classes
Obiettivi formativi	The course seeks to provide the basic tools for the understanding of the physiopathological, symptomatological, diagnostic and therapeutic aspects of some of the most important neurodegenerative diseases, and their modeling in animals. The feasibility of these models and the potential for translating the arising experimental data into sound clinical practice, will be addressed. The students will therefore be able to associate the neural pathology recapitulated by each model to the most suitable/updated strategies for its diagnosis or therapy.
Prerequisiti	Basic knowledge in subjects such as chemistry, biochemistry, anatomy and physiology is required
Metodi didattici	Lectures

Modalità di verifica dell'apprendimento	Oral exam
Programma esteso	<p>Neurogenesis in the adult CNS: evidences, functional implications and possible clinical use</p> <p>Neural stem cells: sources, handling and potential for brain repair</p> <p>Anatomical and functional CNS plasticity: models and analyses</p> <p>Neural transplantation: concept, models and technical procedures</p> <p>Parkinson's disease: clinical presentation, models and experimental therapeutic approaches</p> <p>Alzheimer's disease: clinical presentation, models and experimental therapeutic approaches</p> <p>Further topics may be added and discussed, should they be considered of interest</p>

Testi in inglese

Lingua insegnamento	English
Contenuti (Dipl.Sup.)	<p>Neurogenesis in the adult CNS: evidences, functional implications and possible clinical use</p> <p>Neural stem cells: sources, handling and potential for brain repair</p> <p>Anatomical and functional CNS plasticity: models and analyses</p> <p>Neural transplantation: concept, models and technical procedures</p> <p>Parkinson's disease: clinical presentation, models and experimental therapeutic approaches</p> <p>Alzheimer's disease: clinical presentation, models and experimental therapeutic approaches</p> <p>Further topics may be added and discussed, should they be considered of interest</p>
Testi di riferimento	There is no textbook. Scientific articles and reviews on specific topics will be provided during classes
Obiettivi formativi	<p>The course seeks to provide the basic tools for the understanding of the physiopathological, symptomatological, diagnostic and therapeutic aspects of some of the most important neurodegenerative diseases, and their modeling in animals. The feasibility of these models and the potential for translating the arising experimental data into sound clinical practice, will be addressed.</p> <p>The students will therefore be able to associate the neural pathology recapitulated by each model to the most suitable/updated strategies for its diagnosis or therapy.</p>
Prerequisiti	Basic knowledge in subjects such as chemistry, biochemistry, anatomy and physiology is required
Metodi didattici	Lectures
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Programma esteso	<p>Neurogenesis in the adult CNS: evidences, functional implications and possible clinical use</p> <p>Neural stem cells: sources, handling and potential for brain repair</p> <p>Anatomical and functional CNS plasticity: models and analyses</p>

Neural transplantation: concept, models and technical procedures
Parkinson's disease: clinical presentation, models and experimental therapeutic approaches
Alzheimer's disease: clinical presentation, models and experimental therapeutic approaches

Further topics may be added and discussed, should they be considered of interest