

Training activity details

Training activity	Advanced Course on Epileptology
Title	EPILEARN Bridging Basic with Clinical Epileptology-3
Date	15-25 July 2008
Location	San Servolo, Venice, Italy
Web site	http://www.epilearn.eu
Duration	11 days
Application deadline	March 2008
Registration fee	to be defined
Bursaries available	yes
Contact info	epilepsysummercourse@univiu.org
Course Directors	Marco de Curtis and Uwe Heinemann

PRELIMINARY COURSE PROGRAM

Day 1 EPILEPSY: GENERAL CONCEPTS

-8 ³⁰ -9	Welcome and introduction to the Course	Avanzini, Baulac, de Curtis, Heinemann
-9 –10	general concepts: seizure and epilepsy in humans	Avanzini
-10-11	animal models and correlation to human epilepsy	Moshe
-11-12	generalized versus partial epileptogenesis	Prince
-12-13	ictogenesis and epileptogenesis	de Curtis
	lunch	
-14 ³⁰ -15 ³⁰	neurons in epilepsy	Miles
-15 ³⁰ -16 ³⁰	glia and epilepsy	Heinemann
-16 ³⁰ -17 ³⁰	circuits and epilepsy	Bernard
-17 ³⁰ -18 ³⁰	brain vessels and epilepsy	de Curtis
- 21	special lecture: HOW TO WRITE A GRANT	Mody

Day 2 THE EPILEPTOGENIC PROCESS

-9-10	status epilepticus	Shorvon
-10-11	the epileptogenic process	Pitkanen
-11-12	inflammation and epileptogenesis	Vezzani
-12-13	neurogenesis	Lowenstein
	lunch	

EPILEPTIC ENCEPHALOPATIES

-14 ³⁰ -15 ³⁰	clinical forms	Dulac
-15 ³⁰ -16 ³⁰	animal models	Moshe
-16 ³⁰ -18 ³⁰	Relevance of basic science to clinical approach: case discussion on epileptic encephalopathies: chaired by Dulac, Plouin, Vigevano, Moshe	
	dinner	

Day 3 IDIOPATHIC EPILEPSIES

-9-10	the concept of idiopathic epilepsy	Avanzini
-10-11	clinical forms	Dalla Bernardina
-11-12	epilepsy genes in humans and experimental models	Noebels
-12-13	channelopathies	Lerche
	lunch	
-14 ³⁰ -16 ³⁰	Relevance of basic science to clinical approach: case discussion on epileptic encephalopathies: chaired by Franceschetti, Dalla Bernardina, Noebels, Avanzini, Lerche	
-16 ³⁰ - 18 ³⁰	PRACTICAL SESSIONS on GENETICS	Zara and Marini
	PRACTICAL SESSIONS on virtual laboratory	Mody and Gutnick
	PRACTICAL SESSIONS on signal processing	Wendlinig- Panzica
	dinner	

Day 4 EPILEPSY AND BRAIN MALFORMATIONS

-9-10	brain development	Spreafico
-10-11	clinical forms	Mathern
-11-12	animal models	Luhman
-12-13	imaging techniques	Bernasconi
	lunch	
-14 ³⁰ -16 ³⁰	Relevance of basic science to clinical approach: case discussion on epileptic encephalopathies: chaired by Avoli, Spreafico, Mathern, Francione, Bernasconi	
-16 ³⁰ - 18 ³⁰	PRACTICAL SESSIONS on GENETICS	Zara and Marini
	PRACTICAL SESSIONS on virtual laboratory	Mody and Gutnick
	PRACTICAL SESSIONS on signal processing	Wendling- Panzica

Day 5 TEMPORAL LOBE EPILEPSY

-9-10	natural history and pathophysiology of TLE	Engel
-10-11	animal models	Cavalheiro
-11-12	hippocampal-parahippocampal network and TLE	Avoli
-12-13	EEG and intracranial recordings	Francione
	lunch	
-14 ³⁰ -16 ³⁰	Relevance of basic science to clinical approach: case discussion on epileptic encephalopathies: chaired by Ozkara, Spreafico, Bernard, Francione, Bernasconi	
-16 ³⁰ - 18 ³⁰	PRACTICAL SESSIONS on GENETICS	Zara and Marini
	PRACTICAL SESSIONS on virtual laboratory	Mody and Gutnick

Day 6 THERAPEUTIC STRATEGIES

-9-10	mechanisms of action of AEDs	Fariello
-10-11	pharmacokinetics AED	Perucca
-11-12	pharmacoresistance	Beck
-12-13	new approaches and strategies	Kokaia

lunch

FREE AFTERNOON - FREE AFTERNOON - FREE AFTERNOON**Day 7**

-8 ³⁰ -11 ³⁰	Journal Club	
-11 ³⁰	special lecture: nature and nurture	Ben Ari

Day 8

-12	special lecture: modeling brain and epilepsy	Lopes Da Silva
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Day 9

-12	special lecture: reflex epilepsies	Wolf
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Day 10

-12	special lecture	
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Day 11

-9-13 Working group presentation and topic lectures - research projects discussed by the students, lecturers, tutors and by external discussants

lunch
14³⁰- 16³⁰ Working group presentation and topic lectures - research projects discussed by the students, lecturers, tutors and by external discussants

Faculty

1.	Avanzini Giuliano	tutor	Italy	ISNV, ILAE, Istituto Nazionale Neurologico C. Besta, Milano
2.	Beck Heinz	???	Germany	
3.	Bernard Christophe	tutor	France	INSERM, Marseille
4.	Cavalheiro Esper	tutor	Brazil	University San Paulo
5.	de Curtis Marco	tutor	Italy	Istituto Nazionale Neurologico Milano
6.	Dulac Olivier	tutpr	France	
7.	Engel Jerome Jr	tutor	USA	University of California Los Angeles
8.	Gutnick Michael	tutor	Israel	Hebrew University, Jerusalem
9.	Heinemann Uwe	tutor	Germany	Physiological Institute der Carite, Berlin
10.	Kokaia Merab	tutor	Sweden	Wallenberg Neuroscience Center, Lund University Hospital
11.	Lerche	tutor	Germany	
12.	Lowenstein Dan	???	USA	
13.	Luhman Heiko	tutor	Germany	University of Mainz
14.	Mathern Gary	tutor	USA	University of California Los Angeles
15.	Richard Miles	tutor	France	
16.	Mody Istvan	tutor	USA	University of California, Los Angeles
17.	Moshe Solomon	tutor	USA	
18.	Noebels Jeffrey	tutor	USA	Baylor College Medicine, Houston, TX
19.	Özkara Çiğdem	tutor	Turkey	Department of Neurology, University Istanbul
20.	Pitkanen Asla	tutor	Finland	
21.	Prince David	tutor	USA	
22.	Shorvon Simon	tutor	UK	Queen Square National Hospital, London
23.	Spreafico Roberto	tutor	Italy	Istituto Nazionale Neurologico C. Besta, Milano

24.	Vezzani Annamaria	tutor	Italy	Istituto Mario Negri, Milano
25.	Wolf Peter	tutor	Germany	EUREPA, Epilepsihospitalet i Dianalund, Denmark
1.	Avoli Massimo	lecturer	Canada	
2.	Ben Ari Yezekiel	lecturer	France	Institut de Neurobiologie Méditerranée (INMED), Marseilles
3.	Bernasconi Andrea	lecturer	Canada	Dept. Neurology, Montreal Neurological Institute,
4.	Dalla Bernardina Bern.	lecturer	Italy	
5.	Fariello Ruggero	lecturer	Italy	Dept. Neurology, Jefferson University Philadelphia
6.	Franceschetti Silvana	lecturer	Italy	Istituto Nazionale Neurologico Milano
7.	Francione Stefano	lecturer	France	
8.	Lopes da Silva Fernando	lecturer	Netherlands	Institute of Neurobiology, University Amsterdam
9.	Marini	lecturer	Italy	
10.	Panzica Ferruccio	lecturer	Italy	
11.	Perucca Emilio	lecturer	Italy	Dept Clin Pharmacology, Pavia University Inst.Neur. Mondino
12.	Plouin Perrine	lecturer	France	Hospital Saint Vincent de Paul, Paris
13.	Vigevano Federico	lecturer	Italy	Ospedale Bambino Gesù Roma
14.	Wendling Fabrice	lecturer	France	INSERM U642, University of Rennes
15.	Zara Federico	lecturer	Italy	Ospedale Gaslini, Genova