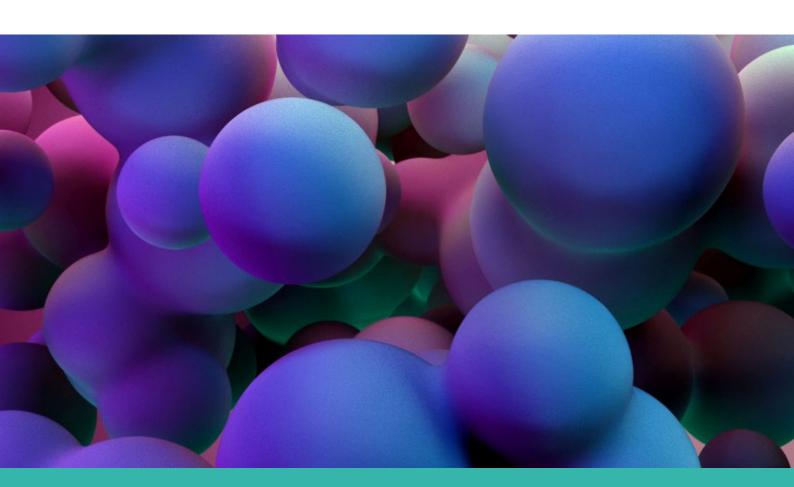


Postgraduate course Programme

Experimental Models of Brain Infections: New Developments from Basic to Translational Research

Nice, France 19 –21 March 2025





Nice, France

Faculty Members

Italy	Claudia Trappetti
Czechia	Daniel Ruzek
Switzerland	Denis Grandgirard
France	Els Verhoeyen
Sweden	Federico Iovino
Switzerland	Isabel Schultz-Pernice
Switzerland	Kinki Jim
France	Laurent Boyer
Switzerland	Lucy Hathaway
United Kingdom	Marco Oggioni
Netherlands	Matthijs Brouwer
France	Michel Carlès
France	Pierre Tattevin
France	Raymond Ruimy
France	Rejane Rua
Switzerland	Simone Leoni
Switzerland	Stephen Leib
ltaly	Susanna Ricci



Nice, France

Day 1 Wednesday, 19 March 2025

Chair: Laurent Boyer (FR)/ Stephen Leib (CH)

13:00	Registration						
13:30 – 13:45	Welcome and Introduction Michel Carlès (FR, SPILF) / Stephen Leib (CH, ESGIB)						
13:45 – 14:30	A pneumococcal meningitis peptide (rat meningitis mod Lucy Hathaway (CH)		acy of novel b	acteriost	atic		
14:30 –15:15	Ten years with experimental meningococcal meningitis Susanna Ricci (IT)						
15:15 – 16:00	Insights and methods for stu Kinki Jim (CH)	udying host-pathogen inte	ractions in the	e zebrafis	h model		
16:00 – 16:30	Coffee break						
16:30 – 18:30	Methodological-based workshop 1 (40 minutes each) (small groups, n=10-12)						
	Topic	Speaker	Group	Group	Group		
	In vitro: cell culture	Denis Grandgirard	Α	В	С		
	ex-vivo: organotypic slice cultures	Simone Leoni	В	С	А		
	In vivo models: zebrafish	Kinki Jim	С	Α	В		
18:30	Evaluation and closure day Laurent Boyer (FR)/ Stephen						
	End of day 1						



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Day 2 Thursday, 20 March 2025

Chair: Pierre Tattevin (FR)/ Raymond Ruimy (FR)

08:55 – 09:00	Opening Day 2 Pierre Tattevin (FR)/ Raymon	d Ruimy (FR)			
09:00 – 09.45	Comparability of bacterial r complications and outcome Matthijs Brouwer (NL)	meningitis in humans and ani e	mals: symį	otoms,	
09:45 – 10:30	Experimental models of new meningitis caused by other Denis Grandgirard (CH)	urolisteriosis in rodents – wha pathogens?	at makes it	different	from
10:30 – 11:00	Coffee break				
11:00 – 11:45	Tick-Borne Encephalitis: Ex Pathogenesis Study and Se Daniel Ruzek (CZ)	perimental Models for arch for Novel Antiviral Strate	egies		
11:45 – 12:30	Assessing neurofunctional meningitis to tick-borne end Stephen Leib (CH)	outcome in brain infection me cephalitis	odels: Fron	n bacteria	ıl
12:30 – 13:30	Lunch				
13:30 – 14:15	Investigating pneumococca a bacteremia-derived meni Federico Iovino (SE)	l interaction with brain cells ngitis mouse model	and neuroi	nflammat	tion using
14:15 – 15:00	Inputs of experimental mod Pierre Tattevin (FR)	lels to optimize treatment of	severe infe	ections	
15:00 – 15:30	Coffee break				
15:30 – 17:30	Methodological-based worl	k shop 2 (40 minutes each) (sm	nall groups,	n=10-12)	
	Topic	Speaker	Group	Group	Group
	In vitro: human neural organoids	Isabel Schultz-Pernice	A	В	С
	ex-vivo: human liver perfusion model	Marco Oggioni	В	С	А
	In vivo models: mouse	Claudia Trappetti	С	Α	В
17:30 – 17:45	Evaluation and closure day Stephen Leib (CH)/ Raymond				
20:00	Social event & dinner				



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Day 3 Friday, 21 March 2025

Chair: Marco Oggioni (UK/IT)/ Matthijs Brouwer (NL)

08:55 – 09.00	Opening Day 3 Marco Oggioni (UK/ IT)/ Matthijs Brouwer (NL)
09:00 – 09:45	Humanized Mice for Infectious and Neurodegenerative disorders Els Verhoeyen (FR)
09:45 – 10:30	Concept of LD50/ID50: Testing the hypothesis that is it generally single cells that start an infection Marco Oggioni (UK)
10:30 – 10:45	Coffee break
10:45 – 11:30	Role of perivascular meningeal macrophages in the pathogenesis of meningitis Claudia Trappetti (IT)
11:30 – 12:15	Brain borders take centre stage: role of meningeal macrophages in neuroinflammation and cognition Rejane Rua (FR)
12:15 – 13:00	Evaluation course and closure Laurent Boyer (FR)/ Stephen Leib (CH)

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Organisers







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