

International Course
Experimental models in MALARIA: biology, vaccines and pathogenesis
Program

December 11th, 2017

Area	Time	Speech	Professor	
Biology	9h-10:30	Opening remarks, course presentation and short talk: Experimental animal models in malaria: why are they needed?	Leonardo Carvalho, Josué Lima-Junior, Fabio T. M. Costa	
	9:30-10:30	Ethics in animal experimentation	Flavio A. Lara (CEUA-IOC)	
	10:30-12h	Functional imaging of parasites	Rogério Amino (Inst. Pasteur, Paris)	
	Lunch			
	13:30-14:30	Systems biology	Helder Nakaya (USP)	
	14:30-16h	Non-human primates as models for studying hypnozoites	Georges Snounou (UPMC, Paris)	

December 12th, 2017

Area	Time	Speech	Professor	
Vaccines and Immunity	9h-10:30	Screening of novel protective antigens for vaccine development	Rogério Amino (Inst. Pasteur, Paris)	
	10:30-12h	Relevance and potential of non-human primates models for vaccine studies	Georges Snounou (UPMC, Paris)	
	Lunch			
	13:30-14:30	Cognition in the immune and nervous systems	Claudio T. Daniel-Ribeiro (IOC)	
	14:30-15:30	Transgenic parasites expressing P. vivax proteins: a powerful tool for vaccine development	Daniel Bargieri (USP)	
	15:30-17h	Casual meeting and networking: students and professors		

December 13th, 2017

Area	Time	Speech	Professor	
In vivo and In silico Models	9h-10h	Mouse strains at ICTB-Fiocruz: availability and prospects	Luiz R. Berbert (ICTB-Fiocruz)	
	10h-11h	Non-human primates at ICTB-Fiocruz: availability and prospects	Marcia C. R. Andrade (ICTB-Fiocruz)	
	11h-12h	Saimiri and Aotus monkeys as models for malaria	Francisco A. Alves (UFPA)	
	Lunch			
	13:30-14:30	MAEBL antigen and reverse vaccinology: What do they tell us?	Fabio T. M. Costa (UNICAMP)	
	14:30-15:30	In silico tools for drug development	Carolina Horta Andrade (UFG/Unicamp)	
	15:30 - 16:30	Epitope mapping by in silico tools: are we close or far from reality?	Josué Lima-Junior (IOC)	

December 14th, 2017

Area	Time	Speech	Professor	
Pathogenesis	9h-10h	Cerebral malaria vasculopathy	Leonardo Carvalho (IOC)	
	10h-11h	Cerebral malaria neurochemistry	Karen H. Oliveira (UFPA)	
	11h-12h	Severe malaria: what can we learn using models of other severe infectious syndromes?	Hugo C. Castro Faria Neto (IOC)	
	Lunch			
	13:30-14:30h	ALI-ARDS	Sabrina Epiphany (USP)	
	14:30-15:30h	Placental malaria	Fabio T. M. Costa (UNICAMP)	
	15:30-16:30h	Splenic responses to malaria infection	Maria Regina D'Império Lima (USP)	

December 15th, 2017

Area	Time	Speech	Professor
Pathogenesis and Immunity	10h-11h	In vitro/in vivo models for studying anemia/apoptosis	Paulo Renato Totino (IOC)
	11h-12h	Innate Immunity in malaria	Flavia L. R. Gomes (IOC)
	12h-12:30	Closing remarks	Leonardo Carvalho, Josué Lima-Junior, Fabio T. M. Costa
	Lunch		