

Course timing

Day	Morning		Afternoon	
	Subjects	Professors	Subjects	Professors
1 th 28 Nov	<ul style="list-style-type: none"> - Opening - Lectures: <ul style="list-style-type: none"> + Replication of rabies virus; + Rabies phosphoprotein P; + Rabies P3 protein ; +Presentation of the practical course ; PCR method to introduce mutation 	Danielle Blondel	Mutation-Amplification PCR1 and PCR2 of P3 and p3m by PCR	Danielle Blondel
2 nd 29 Nov	Poliovirus : Molecular Biology and Pathogenesis of Poliomyelitis	Bruno Blondel	PCR3 and Purification of products by agarose gel	Danielle Blondel
3 rd 30 Nov	Real time quantitative PCR: principe and applications	Jean Luc Guesdon	<ul style="list-style-type: none"> - Digestion of PCR products by restriction enzymes - Digestion of the cloning vector - Purification of the digested vector by agarose gel 	Danielle Blondel
4 th 1Dec	Molecular Epidemiology	Le Thi Kim Tuyen	<ul style="list-style-type: none"> - Ligation of the inserts in the digested vector -Transformation of bacteria 	Danielle Blondel
5 th 2 Dec	Diagnosis of RNA viruses cause human pathogen	Quynh Mai	Culture of colonies on LB ampicilline plates during the nigh at 37°C Week-End: put the bacteria at 4°C	Danielle Blondel
6 th 5 Dec	Minipreparation and digestion of miniprep with restriction enzymes		<ul style="list-style-type: none"> - Identification of the positive colonies by agarose gel - Amplification of the positive colonies in LB solution 	Danielle Blondel
7 th 6 Dec	Diagnosis of RNA viruses that cause pathogen in domestic animals may be transmitted to humans	Tien Dung	Purification of plasmids	Danielle Blondel
8 th 7 Dec	Laboratory technique for elimination strategy and surveillance of measles in Vietnam	Hanh Phuc	Transfection	Danielle Blondel
9 th 8 Dec	Diagnosis of HCV, HBV and blood control for transfusion	Khanh Hoa	Replication of RNA viruses Reverse genetics system of RNA viruses	
10 th 9 Dec	<ul style="list-style-type: none"> - Rabies situation in Vietnam - Cell culture of rabies vaccine for human use 	Nguyen Hong Hanh	<ul style="list-style-type: none"> - Fixation of the cells and analysis by fluorescense - Closing 	Danielle Blondel