Final Program					
Week 1	**date**	**Introduction and TB applied microbiology**			
D1	Aug 1 (Tuesday)	Introduction & Welcome (0.5 hr) - Seminars assignment	30'	All	
		Epidemiology, diagnóstic and management of TB - Article Nature review (complement)	1h	Valdes	
		Tuberculosis as a model for Applied Microbiology: Tuberculosis diagnostics : Ancient and Modern	2,5h	Sola	
D2	Aug 3 (Thursday)	Tuberculosis as a model for Applied Microbiology: Molecular epidemiology: conventional and laboratory methods to track outbreaks	2h	Sola	
		Tuberculosis as a model for Applied Microbiology: Genetic diversity and anthropology, Population Genetics and Molecular Evolution of tuberculosis	2h	Sola	
Week 2	**date**	**TB and Imunnity**			
D3	Aug 8 (Tuesday)	Aspectos funcionais da resposta imune na TB experimental - **Seminars 1 & 2**	4h	Fabiani/Vania	
D4	Aug 10 (Thursday)	Aspectos funcionais da resposta imune na TB humana - **Seminars 3 & 4**	4h	Vania/Fabiani	
Week 3	**date**	**Molecular Diagnosis and Epidemiology**			
D5	Aug 15 (Tuesday)	Multiplexing techniques and their applications : example of post-genomic eras development in diagnostics - **Seminars 5 & 6**	4h	Sola	
D6	Aug 17 (Thursday)	Emerging technologies and current concepts for biological Diagnostics and Global Health - **Seminars 7 & 8**	4h	Sola	
Week 4	**date**	**MDR- & XDR- TB; Non tuberculous Mycobacteria**			
D7	Aug 22 (Tuesday)	• TB e diabetes/Sd metabólica (Aspectos de imunopatogênse) - **Seminar 9**	2	Vania	
		• MDR- & XDR-TB diagnosis and management: What are the possibilities? - **Seminar 10**	2	Valdes	
D8	Aug 24 (Thursday)	Correlação de alterações das funções do sistema imune inato com alterações epigenéticas em doençasinfecciosas - **Seminar 11**	3h	Fabiani	
		Student and Program evalution plus closing	1h	All	