

## MOLECULAR EPIDEMIOLOGY COURSE PROGRAM – UFF 2015

DAY	DATE	March 18th	
	TIME	PROGRAM	INSTRUCTORS
Wednesday	13:30-14:00	<b>Opening / Introduction</b>	Lee Riley/ Fábio Alves/ Claudete Cardoso/ Mariel Marlow
	14:00-15:00	<b>Principles of Molecular Epidemiology:</b> Part 1: Definitions; distinguishing molecular epidemiology from taxonomy/phylogeny	Lee Riley (UC Berkeley)
	15:00-15:15	<i>Break</i>	
	15:15-16:30	<b>Practices of Molecular Epidemiology:</b> Drug-resistant salmonellosis and Drug-resistant urinary tract infections/Surveillance	Lee Riley (UC Berkeley)
		March 19th	
Thursday	9:00-9:50	<b>Overview of Basic Epidemiological Concepts:</b> Design of health studies	Claudete Cardoso (UFF)
	10:00-10:50	<b>Overview of Basic Epidemiological Concepts:</b> Calculating sample size (what is the value of a p-value?)	Mariel Marlow (UC Berkeley)
	11:00-11:50	<b>Principles of Molecular Biology:</b> PCR, RFLP, real time PCR	Fábio Alves (UFF)
	12:00- 13:30	<i>Lunch</i>	
	13:30- 14:20	<b>Principles of Molecular Biology:</b> PFGE, sequencing	Felipe Piedade Gonçalves Neves (UFF)
	14:30-15:30	<b>Practices of Molecular Epidemiology in Health Care Associated Infections:</b> Part I	Beatriz Meurer Moreira (UFRJ)
	15:40-16:30	<b>Practices of Molecular Epidemiology in Health Care Associated Infections:</b> Part II	Ianick Martins (UFF)
		March 20th	
Friday	9:00-9:50	<b>Application of Molecular Epidemiology in Viruses:</b> Dengue	Flávia Barreto dos Santos (FIOCRUZ)
	10:00-10:50	<b>Application of Molecular Epidemiology in Parasites:</b> Leishmaniasis	Mariana Boite (FIOCRUZ)
	11:00-11:50	<b>Application of Molecular Epidemiology in Vaccine Development and Surveillance:</b> Pneumococcal	Felipe Piedade Gonçalves Neves (UFF)
	12:00- 13:30	<i>Lunch</i>	
	13:30- 14:20	<b>Overview of Basic Epidemiological Concepts:</b> Questionnaire design/ Mobile questionnaires	Mariel Marlow (UC Berkeley)
	14:30-15:10	<b>Special Topic:</b> From Thesis to Publication – Scientific writing and 10 tips for native Portuguese speakers when writing in scientific English	Mariel Marlow (UC Berkeley)
	15:20-17:00	<b>Presentation of Selected Abstracts:</b> Oral presentations of 15 min (10 min discussion)	Selected participants
	17:10-17:30	<b>Presentation of Certificates</b>	
		March 21th	
Saturday	9:00-10:20	<b>Molecular Biology Laboratory Practical:</b> Part I	Fábio Alves/ Felipe Piedade Gonçalves Neves (UFF)
	10:20-10:30	<i>Break</i>	
	10:30-12:00	<b>Molecular Biology Laboratory Practical:</b> Part II	Fábio Alves/ Felipe Piedade Gonçalves Neves (UFF)