

### III MOLECULAR EPIDEMIOLOGY COURSE - UFF 2016 PROGRAM

DAY	DATE	October 16 <sup>th</sup>	
	TIME	PROGRAM	INSTRUCTORS
Sunday	8:00-10:00	<b>Room A: Part 1 - Epidemiology Practical Part 1, Group 1</b> (25 participants) <b>Room B: Part 1 - Molecular Biology Laboratory Practical, Group 2</b> (12 participants)	All staff
	10:00-10:15	<i>Coffee</i>	
	10:15-12:15	<b>Room A: Part 2 - Epidemiology Practical Part 1, Group 1</b> (25 participants) <b>Room B: Part 2 - Molecular Biology Laboratory Practical, Group 2</b> (12 participants)	All staff
	12:15-13:15	<i>Lunch</i>	
	13:15-15:15	<b>Room A: Part 1 - Epidemiology Practical Part 1, Group 2</b> (25 participants) <b>Room B: Part 1 - Molecular Biology Laboratory Practical, Group 1</b> (12 participants)	All staff
	15:15-15:30	<i>Coffee</i>	
	15:30-17:30	<b>Room A: Part 2 - Epidemiology Practical Part 1, Group 2</b> (25 participants) <b>Room B: Part 2 - Molecular Biology Laboratory Practical, Group 1</b> (12 participants)	All staff
		October 17 <sup>th</sup>	
Monday	8:30-9:00	<b>Opening / Introduction</b>	Claudete Araújo Cardoso (UFF) / Mariel Marlow (CDC)
	9:00-9:50	<b>Principles of Molecular Epidemiology:</b> Part 1: Definitions; distinguishing molecular epidemiology from taxonomy/phylogeny	Lee Riley (UC Berkeley)
	10:00-10:50	<b>Overview of Basic Epidemiological Concepts:</b> Design of health studies	Mariel Marlow (CDC)
	11:00-11:50	<b>Principles of Molecular Biology – Part I:</b> PCR and real time-PCR	Felipe Piedade G. Neves (UFF)
	12:00- 13:30	<i>Lunch</i>	
	13:30- 14:20	<b>Practices of Molecular Epidemiology:</b> Drug-resistant salmonellosis and Drug-resistant urinary tract infections/Surveillance	Lee Riley (UC Berkeley)
	14:40-15:30	<b>Overview of Basic Epidemiological Concepts:</b> Outbreak investigation	Jessica Meaghan Healy (CDC)
	15:40-16:30	<b>Application of Molecular Epidemiology in Outbreak Investigation:</b> Multistate outbreak of <i>Salmonella</i> Poona in cucumbers	Jessica Meaghan Healy (CDC)
	16:30-18:00	<b>Opening Reception</b>	All participants

October 18 <sup>th</sup>			
<b>Tuesday</b>	8:30-9:00	<b>Review of first day concepts</b>	Mariel Marlow (CDC)
	9:00-9:50	<b>Application of Molecular Epidemiology in Viruses:</b> Zika	Claudete Araújo Cardoso (UFF)
	10:00-10:50	<b>Principles of Molecular Biology – Part II:</b> PFGE and sequencing	Felipe Piedade G. Neves (UFF)
	11:00-11:50	<b>Application of Molecular Biology in Epidemiology:</b> Whole Genome Sequencing	Ana Maria Nunes Botelho (UFRJ)
	12:00- 13:30	<i>Lunch</i>	
	13:30- 14:30	<b>Overview of Basic Epidemiological Concepts:</b> Surveillance	Antonio Vieira (CDC)
	14:50-15:50	<b>Practices of Molecular Epidemiology in Health Care Associated Infections: Part I</b>	Beatriz Meurer Moreira (UFRJ)
	16:00-17:00	<b>Practices of Molecular Epidemiology in Health Care Associated Infections: Part II</b>	Ianick Souto Martins (UFF)
October 19 <sup>th</sup>			
<b>Wednesday</b>	9:00-9:50	<b>Practices of Molecular Epidemiology in Bacteria:</b> Comparative metabolomics - a look into the Mycobacterial lipid universe	Adriano Queiroz Silva (FIOCRUZ Bahia)
	10:00-10:50	<b>Practices of Molecular Epidemiology in Bacteria:</b> Proteomics of Tuberculosis	Rushdy Ahmad (Broad Institute of MIT and Harvard)
	11:00-11:50	<b>Special Topic:</b> From Thesis to Publication – Scientific writing and tips for native Portuguese speakers when writing in scientific English	Kathryn Lovero (UC Berkeley)
	12:00-13:30	<i>Lunch</i>	
	13:30-14:30	<b>Application of Molecular Epidemiology in Vaccine Development and Surveillance: Pneumococci</b>	Felipe Piedade G. Neves (UFF)
	14:40-17:00	<b>Presentations:</b> Selected abstracts	Select participants
	17:00-17:30	<b>Concluding Remarks/Closing</b>	All participants