



9TH INTERNATIONAL COURSE ON EPIDEMIOLOGY FOR MICROBIOLOGY (ICEM)
VIRTUAL EDITION - UNIVERSIDADE FEDERAL FLUMINENSE
PROGRAM 2022 - November 28TH- December 2ND

DAY	TIME	November 28 th	
		PROGRAM	INSTRUCTORS
Monday	8:30-8:50	Opening Introduction	Felipe P. G. Neves (UFF; Coordinator) Claudete A. Araújo Cardoso (UFF) Tatiana Guimarães de Noronha (UFF)
	8:50-09:40	Overview of Basic Epidemiological Concepts: Design of health studies	Maríel Marlow (CDC)
	9:40-9:50	Discussion	
	09:50-10:00	Break	
	10:00-10:50	Overview of Basic Epidemiological Concepts: Randomized Clinical Trials	Edson Moreira (Fiocruz)
	10:50-11:00	Discussion	
	11:00-11:10	Break	
	11:10-12:00	Principles of Molecular Biology: PCR, PCR-based techniques and PFGE	Felipe P. G. Neves (UFF)
	12:00-12:10	Discussion	
November 29 th			
Tuesday	8:30-9:20	Overview of Basic Epidemiological Concepts: Questionnaire design/data collection	Maríel Marlow (CDC)
	9:20-9:30	Discussion	
	9:30-09:40	Break	
	09:40-10:30	Principles of Molecular Biology: Sequencing and Next-Generation Sequencing	Felipe P. G. Neves (UFF)
	10:30-10:40	Discussion	
	10:40-10:50	Break	
	10:50-11:50	Principles of Molecular Epidemiology: Definitions; distinguishing molecular epidemiology from taxonomy/phylogeny	Albert Icksang Ko (Yale School of Public Health)
	11:50-12:00	Discussion	
November 30 th			
Wednesday	8:30-9:20	Overview of Basic Epidemiological Concepts: Surveillance	Colin Basler (CDC)
	9:20-9:30	Discussion	
	9:30-09:40	Break	
	09:40-10:30	Overview of Basic Epidemiological Concepts: SARS-CoV-2 variants of concern (VOCs)	Felipe Naveca (Fiocruz/Manaus-AM)
	10:30-10:40	Discussion	
	10:40-10:50	Break	
	10:50-11:50	Application of Statistics in Epidemiology - Statistical methods for quantitative research	Luis Guillermo Coca Velarde (UFF)
	11:50-12:00	Discussion	
December 1 st			
Thursday	8:30-9:20	Application of Molecular Epidemiology in Healthcare-Associated Infections: Part I	Beatriz Moreira (UFRJ)
	9:20-9:30	Discussion	
	9:30-09:40	Break	
	09:40-10:30	Application of Molecular Epidemiology in Healthcare-Associated Infections: Part II	Ianick Martins (UFF)
	10:30-10:40	Discussion	
	10:40-10:50	Break	



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	10:50-11:50	Using Molecular Epidemiology to Detect Tuberculosis Outbreaks in State Prisons in the United States	Rebekah Stewart (CDC)
	11:50-12:00	Discussion	
		December 2nd	
Friday	8:30-9:20	Special Topic 1: Correlates of protection as predictors of vaccine efficacy	Tatiana Guimarães de Noronha (UFF)
	9:20-9:30	Discussion	
	9:30-09:40	<i>Break</i>	
	09:40-10:30	Special Topic 2: Poxvirus	Clarissa Damaso (UFRJ)
	10:30-10:40	Discussion	
	10:40-10:50	<i>Break</i>	
	10:50-11:40	Special Topic 3: Improving your writing in scientific English – Research manuscript writing workshop for non-English speakers	Mariel Marlow (CDC)
	11:40-11:50	Discussion	
	11:50-12:00	Concluding Remarks/Closing	All staff

Comissão Organizadora:

Docentes:

- Felipe Piedade Gonçalves Neves (coordenador)
- Claudete Aparecida Araújo Cardoso
- Lee W. Riley
- Mariel Asbury Marlow
- Tatiana Guimarães de Noronha

Discentes:

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