



ONLINE COURSE ON

# Microbiomes and their Impact on Viral Infections

The study of the microbiome is one of the most promising scientific and medical revolutions in recent times. It is now clear that changes in the microbiome composition (referred to as dysbiosis) are major drivers to several human diseases and public health threats. In particular, there is now solid evidence that the microbiome is very important to the evolution of viral infections, including the novel coronavirus causing Covid-19. In fact, the number of medical disorders potentially associated with microbiome imbalance is constantly on the rise.

The University of South Florida has partnered with the Global Virus Network to offer Online Course on Microbiomes and their Impact on Viral Infections. Taught by world-renowned expert instructors, this non-credit course will provide you with the latest knowledge on the importance and role of the microbiome in preventing, mitigating and treating diseases.



# Expert Speakers From Around the World

## JACQUES RAVEL, PHD

Professor, Microbiology and Immunology  
Associate Director, Institute for Genome Sciences  
Associate Director for Genomics, Institute for  
Genome Sciences  
*University of Maryland School of Medicine*

## LARRY DISHAW, PHD

Associate Professor, College of Medicine Pediatrics,  
Assistant Professor, College of Medicine  
Molecular Medicine  
*University of South Florida*

## SARKIS K. MAZMANIAN, PHD

Luis & Nelly Soux Professor of Microbiology  
Investigator, Heritage Medical Research Institute  
Division of Biology and Biological Engineering  
*California Institute of Technology*

## CAMILO ZALAMEA, PHD

Assistant Professor, Department of Integrative Biology  
*University of South Florida*

## KARINE CLÉMENT, MD, PHD

Sorbonne University, INSERM UMRS NutriOmics,  
*Faculty of Medicine*

## BENOIT CHASSAING, PHD

Team Leader  
Mucosal Microbiota in Chronic Inflammatory Diseases  
*INSERM U1016*

## JOHN E. PARKINSON, PHD

Assistant Professor, Department of Integrative Biology  
*University of South Florida*

## LAURENCE ZITVOGEL, MD, PHD

Group Leader, Tumour Immunology and  
Immunotherapy of Cancer  
Institut Gustave Roussy  
*European Academy of Tumor Immunology*

## MYA BREITBART, PHD

Professor, College of Marine Science  
*University of South Florida*

## MARIA CARLA SALEH, PHD

Principal Investigator, Viruses and RNAi Unit  
*Department of Virology, Institut Pasteur Paris*

## SARAH E. CLARK, PHD

Assistant Professor, Department of Otolaryngology  
*University of Colorado School of Medicine*

## RAMESH AKKINA, DVM, PHD

Professor, Department of Microbiology, Immunology  
and Pathology  
*Colorado State University*

## NICHOLE KLATT, PHD

Professor  
Director, Surgical Outcomes and Precision Medicine  
Research Division  
*University of Minnesota Medical School and  
Department of Surgery*

## MATHILDE GENDRIN, PHD

Junior Group Leader, Microbiota of Insect  
Vectors Group  
*Institut Pasteur de la Guyane*

## MAUREEN GROER, PHD, RN, FAAN

Gordon Keller Professor, Nursing  
Executive Director, Bio-Behavioral Research Laboratory  
Professor, College of Nursing  
Professor, College of Medicine Internal Medicine  
*University of South Florida*

## LIPING ZHAO, PHD

Professor  
Eveleigh-Fenton Chair of Applied Microbiology  
Department of Biochemistry and Microbiology  
School of Environmental and Biological Sciences  
*Rutgers University*

## ONLINE COURSE ON

# Microbiomes and their Impact on Viral Infections

## WHO SHOULD ENROLL?

- Public health professionals
- Medical professionals
- Health, medical and science faculty
- Health, medical and science students
- Anyone interested in learning more about the microbiome

## TIME TO COMPLETION

- Two sessions
- Up to 8 weeks to complete
- Self-paced, online format

## COURSE STRUCTURE

- Session 1 – Introduction to Microbiomes
  - 11 modules
- Session 2 – Symbiotic Evolutions in the Microbiome World
  - 9 modules

## WHAT YOU WILL LEARN

- What are microbiomes?
- How do you investigate microbiomes?
- What is the impact of microbiomes on health?
- Which are the interactions between microbiomes and viral infections?

## WHAT YOU WILL EARN

- Earn a certificate of completion.
- Earn a Digital Badge to showcase knowledge and successful course completion on social media profiles, including LinkedIn.

## COST TO ATTEND

- Industries - \$1500
- Academics - \$800\*
- Students - \$500\*
- Individuals from emerging countries - \$100\*

\*Please contact **Aline P. C. Ribeiro Valle** at [alinep@usf.edu](mailto:alinep@usf.edu) to learn how to apply the discount during the registration process.



## HOW TO REGISTER

- Enroll online through our [registration portal](#).
- No applications or prerequisites are required.