



Infectious
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Meeting ID: 928 0295 3323
Passcode: 699034

Thursday, 9th December 2021
4:00pm to 5:00pm (SGT)



Webinar is open to all
No registration required

Out of the box: 20 years of targeting virus infections unconventionally

Over the past two decades, my science has addressed how viruses work on the molecular level, relying on some bigger picture concepts stemming from evolutionary biology. We use viruses as model organisms to figure out how they work, and then we try to turn the tables on viruses, using what we've learned to target them in new antiviral or vaccine approaches. This presentation will use examples from the 25 PhDs and postdocs who have shaped my research. We'll work through over a dozen viruses and several animal models to try and convey our admiration for virus populations as evolving organisms, all the while trying to take them down as public health threats. We'll discuss the coronas, the alphas, the flavis, the picornas and some Flu, and the new antiviral strategies that have stemmed from our research.

Marco Vignuzzi obtained his B.Sc from McGill University, and MSc and PhD from University of Paris. Following 7 years of postdoctoral studies in Raul Andino's lab at UCSF, he founded his own laboratory at Institut Pasteur in 2008. Since that time, his work has focused on emerging viral diseases. Marco is on the editorial board of J Virology, Virus Evolution and PLOS Pathogens. He is the co-director of France's LABEX on Emerging Infectious Diseases, that oversees research program funding for 65 French laboratories that cover every emerging threat of viral, bacterial, fungal and parasitic nature. In 2015 his work in emerging diseases was awarded the Sanofi Junior Award in Biomedical Research; in 2019 he received the international Richard Elliott Memorial Award for his work on zoonotic viral diseases.