



中国科学院上海巴斯德研究所  
INSTITUT PASTEUR OF SHANGHAI  
CHINESE ACADEMY OF SCIENCES



# Seminar

**Characterizing and discovering pathogens in tropical regions with high-risk viral emergences. The example of Gabon platform ( Western Africa)**



**[Speaker] Dr. Nicolas Berthet**

**[Time] 10:00-11:30 AM , November 14, 2017**

**[Host] Prof. Fernando Arenzana**

**[Venue] A0201, Life Science Research Building**

## [Speaker introduction]

*Nicolas Berthet, PharmD, PhD, Department of Virology, CNRS, Institut Pasteur, Paris .*

01/13-present: Junior researcher in tropical virology and in charge of research group of Clinical Syndromes and Associated Viruses and bioinformatic/NGS platforms (CIRMF, Gabon). Detached from CNRS UMR 3569

02/09-01/13: CNRS Engineer with the Epidemiology and Physiopathology of Oncogenic Viruses Unit (EPVO), Institut Pasteur, Paris

10/07-01/09: Post-doctoral position with EPVO (Institut Pasteur), Paris

## [Abstract]

The unprecedented magnitude of Ebola virus disease epidemic in West Africa, the worldwide epidemic of Zika Virus and the importation of yellow fever cases in China from Angola have major health, humanitarian, economic and social consequences which emphasize on the global vulnerability towards that threats from developing countries and Africa. Therefore a thorough strategy is needed to improve significantly the health system's capacity to anticipate, respond and prevent epidemics in regions where risk of viral emergence is permanent. In that perspective, it is critical to establish an innovative preparedness approach where early detection of pathogen circulation becomes an absolute priority . During this presentation, the logistical challenges that we encountered during the implementation of this genomics platform at the CIRMF as well as during its use will be presented.