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Biosafety challenges in face of new or emerging viral pathogens specially in the scenario of an outbreak, in hospitals and research laboratories as well

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The previous theory of the epidemiological transition, that was prevailing in great part of the developed world, has been challenged not only by the worst EHF (caused by EBOV) epidemic ever, which poses a real threat of secondary cases far from Western Africa, but also the endemic HFRS in some regions of Europe (ie. Finland and Germany), and the spreading of H9N2 Influenza type A among humans, WNV in North America, among other viral pathogens. The aim of this talk is not only to provide a conceptual framework of biosafety in face of a now logistically growing number of known viruses, but also to report a number of scientific works of clear relevance concerning the biosafety in the clinical virology and respective research, and finally to propose a multi-center project of research of biosafety in virological research.

Biography

Pedro Brandão dos Santos Pedrosa has a BSc in Microbiology and Immunology, and is a specialist in Biosafety by FIOCRUZ (IPEC). He has completed his first MSc in Immunology from USP (São Paulo State University). His virology experience comprises work with Dengue viruses, Hantaviruses, Mayaro virus, and some degree of training in BSL3 operation and scientific initial work in the Friedrich Loeffler Institut (FLI – INNT). He has 1 article published, 2 articles about to be published and several works presented in congresses on Virology.

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