



NATO BIOTECHNOLOGY CONFERENCE

"Prepare, Foster, Protect"

Royal Military Academy,
Brussels, Belgium

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Biography

Brigadier General Florigio LISTA



Brigadier General Florigio LISTA, a medical officer in the Italian Army, is the Director of the Denfence Institute of Biomedical Sciences in Rome. He attended the Military Health Academy in Florence, graduating with a degree in Medicine and Surgery from the University of Florence in 1989. After graduating, he became involved in basic research on human retroviruses in relation to oncogenesis. He attended a residency program in Experimental Oncology in 1993 at the "La Sapienza" University of Rome. From 1993 to 1996, he had a postdoctoral fellowship at Columbia University in New York and the National Cancer Institute in Bethesda in the United States. Additionally, he gained training experience at the Department of Genetics and Microbiology at

the University of Paris and the Virology laboratory at the US Army Medical Research Institute of Infectious Diseases in Fort Detrick (USA). In 2003, he obtained a Master's degree in "Defense Against Biological, Chemical, Nuclear, and Radiological Weapons", and in 2008, a PhD in Pasteur Sciences from the University of Rome "La Sapienza". He has participated in numerous international military operations, establishing a field biological laboratory for the detection of biological agents and biodosimetry for the CBRN component. In 2017, he was a Medical Advisor and Director of the military hospital in Herat, Afghanistan. From 2018 to

2023, he served as the Director of the Scientific Department at the Celio Military Medical center in Rome, where he led biomedical research activities in the field of genetic typing of unusual pathogens and the estimation of damage from ionizing radiation and electromagnetic radiation.

Brig. Gen. LISTA has been a STO - HFM Principal Panel Member and joined several scientific groups within NATO. He is Chair of European Biodefence Laboratory Network (EBLN) within European Defense Agency (EDA) dealing with the identification and management of biological agents and the biological effects of ionizing and non-ionizing radiation.

He has been Professor of General Pathology and Microbiology at the University of Rome "La Sapienza".

He is the Italian responsible for a bilateral agreement "Bionics of Veterans", which aims to ensure the development of rehabilitative technologies based on the innovative robotic prostheses.

In 2018, he obtained a patent for the preventive or therapeutic use of a botulinum toxin inhibitor to counteract its pathogenic effects. In 2020, he filed two patents on analytical methods for the identification of SARS-CoV-2 and botulinum neurotoxins, respectively.

For this significant contribution to scientific research, he received the Bronze Cross for Military Merit in 2019 and the Gold Cross in 2020 for his work during the current SARS-CoV-2 pandemic emergency. Furthermore, he is the author of over 180 peer-reviewed scientific publications.

Throughout his career, he has long promoted and led biomedical research on the molecular genetics of pathogenic microorganisms as well as the genotoxic effects of ionizing and electromagnetic radiation.