
BIOGRAPHICAL SKETCH

NAME: Marcio Roberto Teixeira Nunes

POSITION TITLE: Professor and Senior Researcher

EDUCATION

Institution/Country	Degree	Completion Date MM/YYYY	Field of study
Federal University of Pará State, Brazil	PhD	04/2005	Biology of Infectious agents and Parasites
Federal University of Pará State, Brazil	Master	03/2002	Biology of Infectious agents and Parasites
Federal University of Pará State, Brazil	Bachelor in Biomedical Science	12/1997	Biomedical Sciences

A. Personal Statement

Personal Statement

Dr. Nunes is a distinguished scientist in the field of molecular biology, with a specific focus on arboviruses and zoonotic viruses. With over two decades of research experience, Dr. Nunes has made significant contributions to the molecular characterization, genome sequencing, phylogeny, and phylogeography of viruses, particularly within the Orthobunyavirus genus. He is widely regarded as one of the leading global experts in the study of Orthobunyaviruses, where his pioneering work on virus taxonomy and genome assembly has brought new insights into viral evolution and phylogenetic relationships. Dr. Nunes's research has been instrumental in identifying and characterizing over 900 viral agents, including many newly discovered arboviruses and zoonotic viruses. His expertise extends to the development of innovative diagnostic methods, using next-generation sequencing (NGS) technologies such as Illumina, Ion Torrent, and Nanopore MinION to rapidly detect and characterize viral genomes. These technologies have been central to his work in viral surveillance, including contributions to the Zibra project, which focused on real-time genomic surveillance of the Zika virus in Brazil. Dr. Nunes is also renowned for his leadership in developing bioinformatics tools to analyze viral genomes and for his deep understanding of viral evolution and the spread of arboviruses across different geographical regions. His work has not only advanced the understanding of viral dynamics in the Amazon region but has also had a profound impact on global public health, particularly in the development of rapid diagnostic tools for diseases such as dengue and yellow fever. A prolific researcher with more than 170 scientific publications, Dr. Nunes continues to shape the field of molecular virology through his cutting-edge research and his role as a scientific consultant and senior researcher. His ongoing work in genome sequencing and viral evolution places him at the forefront of efforts to understand and combat emerging viral threats. ORCID: 0000-0001-9739-5499

Google Scholar profile: <https://scholar.google.com/citations?user=11J1Ri8AAAAJ>