Dr. John Schieffelin

Assistant Professor of Medicine & Pediatrics, Sections of Pediatric & Adult Infectious Diseases at Tulane University

New Orleans, LA, US

His research focuses on the natural history, clinical care and immunology of viral hemorrhagic fevers (VHFs)

Biography

Dr. Schieffelin devotes a significant amount of time to the laboratory. His research focuses on the natural history, clinical care and immunology of viral hemorrhagic fevers (VHFs). Currently he is involved in both basic science and clinical research on Flaviviruses, such as dengue and Zika, as well as Lassa fever virus and Ebola virus. His laboratory studies how antibody-virus interactions can have both protective and pathogenic effects. He has a broad background in clinical infectious disease, immunology and virology and international clinical research and capacity building. As an Adult and Pediatric Infectious Disease Fellow, he developed expertise in generating and characterizing human monoclonal antibodies and carried out research on the mechanism of action of neutralizing and enhancing antibodies against dengue virus. As a junior faculty member, he has been Co-Investigator on several NIH-funded grants and contracts investigating Lassa fever. This research has laid the groundwork for the proposed work by developing necessary clinical and laboratory infrastructure and data collection tools. In addition, it established strong ties with the staff of the Sierra Leone National Lassa Fever Program. He has successfully administered the projects (e.g. staffing, human subjects protections, budget), collaborated with a diversity of other stakeholders, and produced several peer-reviewed publications with several more in preparation. During the Ebola Outbreak, he served as a consultant to the WHO Global Outbreak Alert and Response Network in Sierra Leone participating in both clinical care and local staff training. In addition, he is actively involved in NIH-funded research projects in Kenema, Sierra Leone where he oversees human subjects research on VHF diagnostics development and the natural history and long-term sequelae of Lassa fever and Ebola virus. The long-term goal of his research program is to develop and test new supportive care and therapeutic strategies for VHFs.

Areas of Expertise

COVID-19, Coronavirus, Clinical Infectious Disease, Infections in Transplant Recipients, Virology and Immunology, Tuberculosis, International Clinical Research

Education

Louisiana State University, Health Sciences Center & Tulane University

Combined Fellowship Training Program Adult and Pediatric Infectious Diseases

Tulane University

Residency

Tulane University, School of Medicine
M.D.
