

## Special Issue

# Molecular Biology of Chagas Disease, Leishmaniasis, and West Nile Virus Vectors in the Old and New World

### Message from the Guest Editor

This Special Issue will be supervised by Dr. Ildefonso Fernandez-Salas, assisted by our Topical Advisory Panel Members Dr. Eduardo A Rebolgar-Tellez and Dr. Jesus A Davila-Barbosa. Despite impressive advances in science, infectious diseases transmitted by arthropods account for 17% of the global disease burden, particularly in developing countries. These diseases have been labeled as "neglected diseases", which has led health systems and budgets to overlook them in favor of chronic and degenerative illnesses. This Special Issue aims to draw attention to the molecular biology of other diseases caused by endemic and reemerging pathogens, such as American Trypanosomiasis (Chagas Disease), the protozoan Leishmania and its sandfly vectors (Phlebotominae), as well as the anticipated 2024 outbreak of West Nile Virus in several countries around the Mediterranean sea. We encourage papers that utilize molecular approaches, but we also value high-quality research in vector biology, ecology, genetics, and host–pathogen–vector interactions.

### Guest Editor

Dr. Ildefonso Fernández-Salas  
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### Deadline for manuscript submissions

closed (20 March 2026)



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