

Special Issue

Bornaviruses 2025: News, Gaps and Future Directions

Message from the Guest Editor

Over the last decade, significant new insights into bornaviruses have emerged, including detect novel strains, new reservoir and end host species, and endogenous bornavirus-like (EBL) elements in eukaryote genomes. Despite this enormous progress, many questions on bornavirus biology need to be addressed to understand the complexity of epidemiologic aspects, transmission routes and risks, persistence strategies, and immunopathological principles. This is clearly reflected by the strikingly different outcomes of infection in mammalian reservoir and end host species, the largely unknown role of EBLs, unknown definite host spectrum or disease-inducing capacity of novel bornaviruses, and the lack of effective antiviral and curative therapy strategies.

This Special Issue invites all contributions, including brief reports, original research, and reviews, to enhance our understanding of well-known and novel bornaviruses across species. Special emphasis is placed on epidemiological aspects, molecular infection mechanisms, pathogenetic principles, and antiviral strategies of either bornaviruses with zoonotic capacity or avian or newly discovered viruses and hosts.

Guest Editor

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