

## Special Issue

# Structure, Function, and Inhibition of HIV Proteins: Advances in Therapeutic Targets and Drug Discovery

### Message from the Guest Editors

HIV remains a major global health challenge, despite significant advances in antiretroviral therapy. Understanding the structure and function of HIV proteins is critical for identifying novel therapeutic targets and developing next-generation drugs. This Special Issue aims to provide a platform for studies exploring the molecular architecture, enzymatic mechanisms, and biological roles of all HIV-related proteins. Emphasis will be placed on the mechanistic insights into protein function and regulation, as well as strategies for inhibition and drug targeting. Contributions that describe rational drug design, structure-based modeling, high-throughput screening, and emerging therapeutic approaches are particularly encouraged. By integrating structural biology, biochemistry, and pharmacology, we aim to highlight advances that can accelerate the discovery of novel inhibitors and therapeutics. We welcome original research articles, reviews, and perspectives that provide innovative insights into HIV protein biology and its translation into effective and targeted interventions, ultimately contributing to improved treatment strategies and the long-term control of HIV infection.

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### Guest Editors

Prof. Yasien Sayed  
Dr. Ramesh Pandian  
Dr. Joan Okafor-Nwodo

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### Deadline for manuscript submissions

31 July 2027



## Viruses

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Viruses* (ISSN 1999-4915). *Viruses* is published in open access format—research articles, reviews and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Viruses* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Dr. Eric O. Freed

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