

## Special Issue

# Oncoviruses and Their Potential Role in Breast Cancer

### Message from the Guest Editors

Viruses are one of the main predisposing factors of oncogenesis. Today, numerous oncoviruses have been identified in various types of cancers, including breast cancer; those viruses include Epstein–Barr virus (EBV), human papillomavirus (HPV), hepatitis B virus (HBV), human herpes virus-8 (HHV-8), human T lymphotropic virus type 1 (HTLV-1) and hepatitis C virus (HCV). For this Special Issue, we invite authors to contribute original research, clinical trials, and reviews focused on the role of oncoviruses in human carcinogenesis, specifically breast cancer. Potential topics include, but are not limited to:

- In vitro and in vivo studies that aim to identify underlying mechanisms underpinning virus-induced breast cancer;
- Viruses as candidate prognostic biomarkers;
- Multiomic analysis of human breast tumors caused by viruses;
- Modulation and evasion of the immune system related to oncoviruses;
- Drug discovery of oncovirus-related carcinogenesis;
- Bioinformatics approaches to characterize oncoviruses in breast cancers.

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### Guest Editors

Prof. Dr. Ala-Eddin Al Moustafa

Dr. Semir Vranic

Dr. Hamda Al-Thawadi

Dr. Ishita Gupta

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### Deadline for manuscript submissions

closed (31 July 2023)



## Pathogens

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## About the Journal

### Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

*Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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### Editor-in-Chief

Prof. Dr. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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