



Oncolytic Viruses: New Cancer Immunotherapy Drugs

Guest Editor:

Dr. Nikolas T. Martin

The Ottawa Hospital Research
Institute, Biotherapeutics
Manufacturing Centre, Virus
Manufacturing Facility, Ottawa,
Canada

Deadline for manuscript
submissions:

25 August 2024

Message from the Guest Editor

Dear Colleagues,

Instead of being a purely lytic agent, oncolytic viruses can act more as immune modulators, alerting the patient's immune system to the presence of malignant neoplasms, and thus are able to turn the infamous immunologically "cold" tumor microenvironment into a "hot" one. This can be achieved by clever design and by combining findings from the fields of oncology, immunology, and virology. Research groups around the world are developing novel, advanced, and modified virus platforms, encoding arrays of heterologous proteins and non-coding RNAs, often in combination with modulated expression systems. Combined with a wide variety of available oncolytic virus platforms, originating from the families of Adenoviruses, Herpesviruses, Poxviruses, Rhabdoviruses, and Paramyxoviruses, to name a few, there is an almost infinite field of research on this family of anti-cancer immunotherapy drugs. It is with great pleasure that we showcase a small selection of these advanced technologies developed in this Special Issue on oncolytic viruses.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

Pharmaceuticals is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us.

We hope to handle your contribution to *Pharmaceuticals* soon.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q2 (*Pharmaceutical Science*)

Contact Us

Pharmaceuticals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/pharmaceuticals
pharmaceuticals@mdpi.com