

Special Issue

HIV: ART and Immune Activation

Message from the Guest Editors

Antiretroviral therapy (ART) has greatly reduced HIV infection-associated morbidity and mortality, by reducing viral replication, restoring CD4+ T cells and preventing the progression of HIV infection to acquired immunodeficiency syndrome (AIDS). However, despite long-term ART and suppression of plasma viremia, low level of viral replication persists in HIV reservoirs in peripheral blood and lymphoid tissues. Persistent low level viral replication in the ART controlled patients can contribute to sustained systemic immune activation and inflammation. Albeit, ART reduces systemic inflammation and immune activation dramatically, it is not to levels synchronous with HIV-uninfected populations. Chronic inflammation in HIV patients has the potential to promote pathological conditions and end-organ diseases, such as, cardiovascular disease (CVD), neurocognitive dysfunction, osteoporosis, cancer, muscle wasting, premature aging and frailty among others. This special issue will provide an overall understanding of the implication of immune activation/inflammation on HIV and ART related diseases, and provide prospect for the development of therapeutics.

Guest Editors

Dr. Santhi Gorantla

Department of Pharmacology and Experimental Neuroscience, College of Medicine, University of Nebraska Medical Center, Omaha, NE, USA

Prof. Larisa Poluektova

Department of Pharmacology, University of Nebraska Medical Center, Omaha, NE, USA

Deadline for manuscript submissions

closed (15 June 2019)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/19928

Biomolecules

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.4
Indexed in PubMed



[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)