



Photobiomodulation for Parkinson's Disease

Guest Editor:

Prof. Dr. John Mitrofanis

Department of Anatomy,
University of Sydney, Sydney,
NSW 2006, Australia

Deadline for manuscript
submissions:

closed (10 February 2020)

Message from the Guest Editor

Dear Colleagues,

Parkinson's disease is a neurological disorder with cardinal signs of resting tremor, akinesia, bradykinesia, lead-pipe rigidity, and postural instability. Two key features of the disease are that there is a rather targeted degeneration of a particular neurotransmitter system (i.e., dopaminergic) and that this degeneration is progressive, with more and more neurones dying over time. The current treatments are effective in treating motor signs, but not, however, in slowing the relentless progression of the degeneration. Recently, photobiomodulation—the use of red to near-infrared light on body tissues—has been reported to slow this neurodegeneration in a range of animal models, from flies to monkeys. There are also some encouraging, early reports that photobiomodulation results in many beneficial outcomes in patients. This Special Issue will explore various aspects of this new and exciting treatment in animal models and in patients, building on the template of findings needed to develop this treatment into a viable therapeutic option for patients.

Prof. John Mitrofanis
Guest Editor





an Open Access Journal by MDPI

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

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.

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)

Contact Us

Biomolecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/biomolecules
biomolecules@mdpi.com
X@Biomol_MDPI