

## Special Issue

# Synuclein Proteins

### Message from the Guest Editors

All synucleins have a conserved  $\alpha$ -helical lipid-binding motif similar to those of apolipoproteins. The  $\alpha$ - and  $\beta$ -synuclein proteins are found primarily in brain tissue, where they are seen mainly in presynaptic terminals. The  $\beta$ -synuclein protein is found primarily in the peripheral nervous system and retina, but also in breast tumours. Cellular functions of the synuclein proteins vary, with data suggesting a common role in the regulation of membrane stability. They have also been demonstrated to form aggregates. Recently, roles in tumour progression and neurodegeneration have been described. Mutations in  $\beta$ -synuclein are associated with rare familial cases of early-onset Parkinson's disease, and the protein accumulates abnormally forming part of Lewy bodies in Parkinson's disease and several other neurodegenerative illnesses. This Special Issue seeks to understand the normal cellular function of these proteins and how they might contribute to the development of human disease. Original manuscripts and reviews dealing with any aspect of synucleins and related pathophysiology are very welcome.

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### Guest Editors

Dr. Declan McKernan

Pharmacology & Therapeutics, National University of Ireland, H91 W5P7  
Galway, Ireland

Dr. Xiaobo Mao

Department of Neurology, Johns Hopkins University School of  
Medicine, Baltimore, MD 21205, USA

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### Deadline for manuscript submissions

closed (31 January 2022)



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*Biomolecules*

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

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*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.

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### 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

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