

## Special Issue

# α-Synuclein Amyloids & Parkinson's Disease: On Growth, Spread, and Neurodegeneration

### Message from the Guest Editor

Do certain of the α-syn fibrils intrinsic properties play a causal role in this equilibrium? Is this fibril strain-dependent? How do intermediary oligomers and secondary non-templated amyloid nucleations fit in this picture? Are phenomena of liquid-liquid phase separation involved? Do the mutations found in familial forms of PD displace this equilibrium? Are all neurons equal in that respect? Or finally, is the replication of α-syn amyloids that we identify with the spread of Lewy bodies simply a bystander phenomenon? I hope that this Special Issue of *Biomolecules* will represent an opportunity to display and confront the current positions of the different schools of thoughts on these intriguing questions.

### Guest Editor

Dr. François Ichas

Institut des Maladies Neurodégénératives, CNRS et Université de Bordeaux, UMR 5293, Bordeaux, France

### Deadline for manuscript submissions

closed (28 February 2022)



## Biomolecules

an Open Access Journal  
by MDPI

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/54602](https://mdpi.com/si/54602)

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

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





# Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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