

# Special Issue

## Advances in Photopharmacology

### Message from the Guest Editors

Photopharmacology is an emerging interdisciplinary field at the interface between physics, chemistry, biology, and medicine. The general goal of photopharmacology is to provide control over biological systems with a high degree of temporal and spatial precision using innovative light-regulated molecules and illumination devices. Indeed, drug action is currently recognized as a multidimensional process governed by molecular, spatial, and temporal components. Understanding the role of each of these dimensions is crucial to improving our knowledge of the mechanisms of action of drugs and how these mechanisms give rise to physiological effects. With the advent of new discoveries in this field, promising therapeutic applications for diseases with unmet needs and innovative research tools are being proposed. In this Special Issue, we aim to compile research contributions describing the most recent advances in photopharmacology in order to highlight the impact that it may have on a number of research fields and to help delineate the next steps to the future development of life sciences.

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### Guest Editors

Dr. Xavier Rovira Algans

Dr. Amadeu Llebaria

Dr. Xavier Gomez-Santacana

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### Deadline for manuscript submissions

closed (15 December 2022)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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