



Advances in Photopharmacology

Guest Editors:

Dr. Xavier Rovira Algans

CSIC - Instituto de Química
Avanzada de Catalunya (IQAC),
Barcelona, Spain

xavier.rovira@cid.csic.es

Dr. Amadeu Llebaria

CSIC - Instituto de Química
Avanzada de Catalunya (IQAC),
Barcelona, Spain

amadeu.llebaria@iqac.csic.es

Dr. Xavier Gomez-Santacana

CSIC - Instituto de Química
Avanzada de Catalunya (IQAC),
Barcelona, Spain

xavier.gomez@iqac.csic.es

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Message from the Guest Editors

Dear Colleagues,

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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Editor-in-Chief

Prof. Dr. Maurizio Battino

1. Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy
2. International Research Center
for Food Nutrition and Safety,
Jiangsu University, Zhenjiang
212013, China

Message from the Editor-in-Chief

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*International Journal of Molecular
Sciences*
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
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