



Optogenetic Approaches in Neuroscience

Guest Editor:

Prof. Dr. Thomas Knöpfel

1. Laboratory for Neuronal Circuit
Dynamics, Imperial College
London, London W12 0NN, UK
2. Centre for Neurotechnology,
Institute of Biomedical
Engineering, Imperial College
London, London SW7 2AZ, UK

Deadline for manuscript
submissions:

closed (31 October 2017)

Message from the Guest Editor

Dear Colleagues,

Optogenetics can be defined as concepts and methods that are based on the use of light and genetics to manipulate and monitor the activities of defined cell populations. Optogenetic approaches already had a major impact in neurosciences, yet are still evolving.

We invite you to contribute original articles that describe conceptual and methodological advances associated with optogenetic approaches. Review articles describing cutting edge and emerging optogenetic technologies are also welcome.

Thomas Knöpfel
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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.

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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI