

# Special Issue

## Advances in Luciferase

### Message from the Guest Editor

This open access Special Issue will bring together original research and review articles on basic applications of bioluminescence systems and on new knowledge of luciferase as well as luciferin. It highlights new discoveries, approaches, and technical developments in bioluminescence research. The main feature of this Special Issue is to provide open source sharing of significant work. Topics of this Special Issue include, but are not limited to, the following: Applications of bioluminescence systems, including gene expression analysis, in vitro, in vivo, and ex vivo bioimaging, immunoassays, etc.;

Cloning and characterization of new luciferase;  
Determining the biosynthesis pathway of luciferin;  
Identifying new luciferin from bioluminescence organisms;

Modification and characterization of luciferase or luciferin;

Molecular mechanisms of luciferin–luciferase reactions.

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### Guest Editor

Dr. Yoshihiro Ohmiya

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### Deadline for manuscript submissions

closed (30 August 2024)



## International Journal of Molecular Sciences

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### 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.

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### Editor-in-Chief

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