



Advances in Luciferase

Guest Editor:

Dr. Yoshihiro Ohmiya

Biomedical Research Institute,
National Institute of Advanced
Industrial Science and
Technology (AIST), Tsukuba,
Japan

Deadline for manuscript
submissions:

30 August 2024

Message from the Guest Editor

Dear Colleagues,

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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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

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