

# Topical Collection

## Current Advances and Methodologies in Gene Editing

### Message from the Collection Editors

This topical collection on “*Gene Editing*” aims to provide a forum for discussions on the latest technical developments in the fields of general genome engineering technologies, including (i) the establishment of cell culture systems, and (ii) the development of established and emerging organismal models by CRISPR/Cas9 or similar genome engineering tools. A constant flow of reports demonstrates the continuous refinement of the CRISPR/Cas9 revolutionary tool.

Invariably, however, new challenges or missing details in the implementation of this technology become apparent when applied to specific model systems, which need to be addressed. Our topical collection aims to keep up with the most recent developments, refinements, and latest achievements in gene editing available today. We encourage contributions from laboratories working at the forefront of the development of novel CRISPR/Cas9 approaches, with the goal of sharing these details and accelerating the speed of functional genetic discovery across the tree of life, in well-established as well as in emerging model systems. Keywords

- CRISPR/Cas9
- Genome engineering
- Gene editing...

---

### Collection Editors

Dr. Philip Hublitz

Evotec International GmbH, Marie-Curie-Straße 7, D-37079 Göttingen, Germany

Dr. Antónia Monteiro

1. Department of Biological Sciences, National University of Singapore, 14 Science Drive 4, Singapore 117543, Singapore
  2. Yale-NUS College, 10 College Avenue West, Singapore 138609, Singapore
- 



## Methods and Protocols

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.3  
CiteScore 3.6  
Indexed in PubMed



[mdpi.com/si/15633](https://mdpi.com/si/15633)

*Methods and Protocols*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mps@mdpi.com](mailto:mps@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[mps](https://mdpi.com/journal/)





# Methods and Protocols

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.3  
CiteScore 3.6  
Indexed in PubMed



[mdpi.com/journal/  
mps](https://mdpi.com/journal/mps)



## About the Journal

### Message from the Editor-in-Chief

*Methods and Protocols* (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

---

### Editor-in-Chief

Prof. Dr. Fernando Albericio

1. School of Chemistry and Physics, University of KwaZulu-Natal, Durban, South Africa
2. Department of Organic Chemistry, University of Barcelona, Barcelona, Spain

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), PubMed, PMC, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q2 (Biochemistry, Genetics and Molecular Biology (miscellaneous))