



## Emerging Developments in Molecular Endocrinology and Metabolic Research

Guest Editor:

**Prof. Dr. Melvin K. S. Leow**

1. Department of Endocrinology, Division of Medicine, Tan Tock Seng Hospital, Singapore 308433, Singapore
2. Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore 636921, Singapore
3. Singapore Institute for Clinical Sciences, Brenner Centre for Molecular Medicine, Agency for Science, Technology and Research (A\*STAR), Singapore 117609, Singapore
4. Cardiovascular and Metabolic Disorders Program, Duke-NUS Medical School, Singapore 169857, Singapore
5. Yong Loo Lin School of Medicine, National University of Singapore, Singapore 117597, Singapore

### Message from the Guest Editor

The fields of endocrinology and metabolism are home to scientists and clinicians who commit themselves to dissecting and understanding the fundamental mechanisms of hormonal signaling and the regulation of complex endocrine networks in the body necessary for survival and optimal health. The range of endocrine disorders is wide and challenging to manage, with many conditions still not being fully understood and effective treatments still being deciphered. Advancements in science allow for novel, cutting-edge techniques to be developed and translated to the bedside, as seen in the historical leaps of genetic engineering which first cloned the human insulin gene in bacterial plasmids for large-scale insulin production. Gene knockouts, knock-ins and CRISPR-Cas 9 gene editing technologies interrogate disease processes with ever-increasing and finer precision and offer deep insights that can lead to new diagnostics and therapeutics strategies. This Issue is thus devoted to the exploration of exciting scientific discoveries and advances in the field of endocrine and metabolic physiology.

Deadline for manuscript  
submissions:

**30 June 2024**



[mdpi.com/si/124489](https://mdpi.com/si/124489)

# Special Issue



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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

---

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

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI