

Special Issue

Latest Advances in Pituitary Endocrinology

Message from the Guest Editors

Pituitary endocrinology is a rapidly evolving field driven by advanced molecular and translational research. The pituitary gland is central to endocrine homeostasis, and its dysfunction causes disorders from hormone hypersecretion (acromegaly, Cushing's disease, prolactinoma) to multiple hormonal deficiencies. This Special Issue, "Latest Advances in Pituitary Endocrinology," invites original research and reviews on molecular, genetic, and pathophysiological mechanisms of pituitary diseases. Key topics include:

- Genetic and epigenetic changes in pituitary adenomas
- Novel molecular targets and signaling pathways
- Biomarkers for diagnosis, prognosis, and therapy response
- Insights from transcriptomics, proteomics, and metabolomics
- Advances in tumor classification via lineage-specific transcription factors
- Mechanisms of treatment resistance in somatotropinomas, corticotropinomas, and prolactinomas
- Pathogenesis of hypopituitarism and pituitary apoplexy
- Effects of estrogenic and endocrine disruptors on pituitary function
- Roles of pituitary stem cells and plasticity in tumorigenesis

Interdisciplinary and translational studies bridging basic science and clinical practice are especially encouraged.

Guest Editors

Dr. Antonio M. Picó

1. Department of Endocrinology & Nutrition, Hospital General Universitario Dr. Balmis, Alicante, Spain
2. Department of Clinical Medicine, University Miguel Hernandez, Elche, Spain
3. Endocrinology, Diabetes, Obesity and Nutrition, Health and Biomedical Research Institute of Alicante (ISABIAL), Alicante, Spain
4. CIBERER: Spanish National Network for Research on Rare Diseases, Instituto Carlos III, Madrid, Spain

Dr. Cristina Lamas

Complejo Hospitalario Universitario de Albacete, Albacete, Spain



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/258187

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)