

# 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.



# International Journal of Molecular Sciences

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### 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.

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