

Special Issue

Molecular Research of Male Hormones

Message from the Guest Editor

The complex process of reproduction is finely regulated by various factors, including autocrine, paracrine, juxtracrine and endocrine environments within the gonads. All these processes are inter-connected to each other, and the major role is performed by the sex hormones. Testes perform two important roles in one unit: they produce testosterone (steroidogenesis) and maintain germ cell development. Sertoli cells play the key role in terms of male fertility regulating hormones and producing signaling molecules, including growth factors and inflammatory cytokines which are involved in and sustain the process of spermatogenesis. The aim of this Special Issue is to identify new pathways involved in the mechanisms of both steroidogenesis and spermatogenesis in order to maintain sexual function, and to prevent and cure infertility and hypogonadism. In this Special Issue, we encourage authors to submit original research papers or review articles focused on the following topics:

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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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.

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