

Special Issue

Molecular Connection between Hormones, Endothelium and Cytokines in Andrology

Message from the Guest Editors

The study of male fertility is growing in response to the need of discovering new tools able to diagnose and treat the high rate of infertility and the larger demand of treatments such as medical procreation. Tests that are currently available to the clinician include enhanced semen analysis, antisperm antibody assay, sperm penetration assay, and hemizona assay. Therefore, it is necessary to carry out studies aimed to determine the key molecular factors involved in fertility and define the biomarkers that determine sperm function, such those related to DNA integrity, oxidative stress, and RNA expression profile. Sexual function is strictly related to the endothelial function and male hypogonadism; testosterone receptors are expressed in the endothelium and vascular smooth cells. The association between coronary artery disease/myocardial infarction and male hypogonadism supports the hypothesis that endothelial dysfunction negatively affects the cardiovascular system. The aim of this Special Issue is to update, identify, and better understand the mechanisms involved in sexual function and fertility and how they affect men's lives.

Guest Editors

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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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