

Special Issue

Molecular Regulation of Spermatozoa

Message from the Guest Editor

Infertility is a common problem affecting many couples worldwide. A dynamic interplay between spermatozoa and a constantly changing environment is necessary to activate the underlying molecular events and signaling pathways which lead to the regulation of sperm functions. In fact, various signaling molecules, such as hormones, immune regulatory molecules, neurotransmitters, ions, proteins, growth factors, and free radicals are involved in the regulation of sperm functions, mainly through post-translational modifications of proteins. Therefore, the deregulation of those interactions can be behind male factor infertility. For this Special Issue of "Biomedicines", we invite you to contribute either an original research article or a review article on the topic "Molecular Regulation of Spermatozoa." The scope includes in vitro and in vivo research on molecular mechanisms and signaling pathways that regulate spermatozoa function in physiological conditions, as well as under different special conditions, such as those causing male infertility or subfertility. Dr. Najafi, Atefeh

Guest Editor

Dr. Atefeh Najafi

Department of Biology, University of Saskatchewan, Saskatoon, SK S7N 5E2, Canada

Deadline for manuscript submissions

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Biomedicines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomedicines@mdpi.com

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

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