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Proteomics in Reproduction Research

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Deadline for manuscript submissions:
closed (30 November 2022)

Message from the Guest Editors

Dear Colleagues,

Recent studies have emphasized the need to analyze the expression of proteins located within the reproductive system. Moreover, it has been suggested that within the reproductive system, there is a pool of stem cells capable of differentiating into other types of cells, including cancer cells. In addition, understanding the mechanism of interactions between individual proteins would help to elucidate the causes of infertility while ensuring the development of infertility treatment diagnostics for both animals and humans. The identification of individual proteins could also increase the efficiency of oocyte in vitro maturation.

This Special Issue of the journal Proteomes focuses on "Proteomics in Reproduction Research" and welcomes both original research articles and review papers that deal with proteins involved in the processes related to oocyte maturation, fertilization, or embryo implantation in the uterus, as well as cell interaction and communication during folliculogenesis.

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Message from the Editorial Board

Proteomes is an international, peer-reviewed, open access journal that was first published in 2013 by MDPI. *Proteomes* addresses all aspects of proteome analysis with a special focus on the quantification and characterisation of the proteome at the level of proteoforms. We encourage submission of articles that accurately quantify and characterise the proteome, as well as new and updated methods and technologies that enhance the accurate quantification and characterisation of the proteome and thereby provide evidence directly facilitating the understanding of biological mechanisms. Articles emphasising a multi/ transdisciplinary approach combining different omics techniques are welcomed.

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