



## Proteomics in Reproduction Research

Guest Editors:

**Prof. Dr. Bartosz Kempisty**

**Dr. Wiesława Kranc**

Department of Anatomy, Poznan  
University of Medical Sciences,  
60-781 Poznan, Poland

Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### Message from the Guest Editors

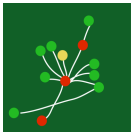
Dear Colleagues,

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.

Prof. Dr. Bartosz Kempisty  
Dr. Wiesława Kranc  
Guest Editors





an Open Access Journal by MDPI

## Editors-in-Chief

### Dr. Matthew P. Padula

School of Life Sciences and  
Proteomics Core Facility, Faculty  
of Science, The University of  
Technology Sydney, Ultimo 2007,  
Australia

### Prof. Dr. Jens R. Coorsen

Institute for Globally Distributed  
Open Research and Education  
(IGDORE), St. Catharines, ON L2M  
4X2, Canada

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, ESCI (Web of Science), PubMed, PMC, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Structural Biology)

## Contact Us

---

*Proteomes* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/proteomes  
proteomes@mdpi.com  
X@Proteomes\_MDPI