

Special Issue

Physiology of Gametes and Fertilization 2.0

Message from the Guest Editor

In spite of all knowledge we have gained from research into mammalian fertilization and the physiological changes that the male gamete must undergo to be able to fertilize the egg, the actual sperm interaction with the egg, including binding and fusion, is still covered in a veil of mystery.

Sperm-egg membrane interaction and fusion is mediated by many molecular components. There are numerous molecules located on sperm and oocyte membranes that are part of key protein networks that differ in their protein composition.

This special issue is dedicated to the physiology of gametes and fertilization and aims to introduce the reader to new and original research targeting the molecular mechanisms involved in reproduction.

In order to understand the entirety of the fusion process involving the binding and fusion of mammalian gametes, new mechanisms that sperm and egg undergo during maturation as well as interactions between sperm and egg membrane proteins need further research.

Guest Editor

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