

Special Issue

Molecular Insights into Reproductive Biology and Related Diseases

Message from the Guest Editor

Reproduction is determined by a series of cellular and molecular events to guarantee a spermatozoon's ability to reach and fertilize the oocyte. Fine-tune regulation at the molecular level of sperm motility, sperm capacitation, or oocyte maturation allows fertilization. Once the zygote is formed, the success of embryo development is regulated by complex molecular mechanisms. However, misregulation at the molecular level can lead to reproductive diseases such as infertility or loss of embryos. Thus, it is crucial to understand the molecular regulation of both male and female gametes, as well as embryo development, to deepen our knowledge in reproductive biology and its related diseases. The goal of this Special Issue is to cover new advances in molecular reproduction and reproductive diseases in domestic, laboratory, and wild animals, as well as in human research.

Guest Editor

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