

Special Issue

Reproductive Physiology and miRNA-Mediated Gene Regulation in Domestic Animals

Message from the Guest Editors

The Special Issue focuses on the interplay between reproductive physiology in domestic animals and the role of microRNAs (miRNAs) in gene regulation. Specifically, the main topic concerns how miRNAs influence reproductive processes such as oocyte maturation, spermatogenesis, and pregnancy. miRNAs are small non-coding RNA molecules that regulate gene expression by binding to specific messenger RNA molecules. This mechanism can significantly impact fertility, reproductive health, and embryo development in domestic animals. In summary, the theme intertwines reproductive biology and molecular biology, aiming to understand how epigenetic regulation mechanisms can affect reproduction and enhance animal health management.

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