

## Special Issue

# Reproduction and Cancer: Cell-Cell Interaction and Signal Transduction

### Message from the Guest Editor

Dear Colleagues, Cell-cell adhesion is critical in reproduction and cancer. This ensures proper recognition and binding between cells, whether these are spermatozoa and oocytes, or cancer cells and host tissues. Adhesion molecules play critical roles in both processes. Cell adhesion is tightly regulated by signaling events also crucial for reproductive processes, such as embryonic development, tissue remodeling, and immune regulation, are also dysregulated in cancer. Several pathways play essential roles in both normal reproductive physiology and cancer progression, and their dysregulation can lead to aberrant cell proliferation, differentiation, and migration, contributing to tumorigenesis or reproductive success and related disorders. The special issue provides insights into both normal physiological processes and disease pathogenesis, with implications for therapeutic interventions in cancer and reproductive disorders.

### Guest Editor

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