



## Immunologic Checkpoint Molecules and Their Role in Reproduction and Cancer

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### Message from the Guest Editor

Immune checkpoint molecules, such as FasL/Fas, TIM-3/Gal-9, and PD-1/PD-L1, are regulators of immune responses of the fetus that prevent its rejection by the maternal immune system.

On the other hand, checkpoint inhibitors are among the most promising therapeutic approaches for the treatment of a variety of cancers, leading to strong immune responses against tumor cells by blocking PD1/PD-L1 or TIM-3/Gal-9.

In addition, interaction between the receptor Fas (CD95) and Fas Ligand (FasL, CD178) can efficiently induce apoptosis and is critical for the maintenance of immunological tolerance.

Therefore, this Special Issue deals with a variety of immunologic checkpoint molecules and their functions in reproductive immunology and cancer biology.





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