



Reproductive Immunology: Cellular and Molecular Biology 2.0

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Message from the Guest Editors

Reproductive immunology in the 21st century still deals with a problem that has been known for decades—the fetus as semi-allograft and its response to the maternal immune system. Therefore, there is a strong need to solve problems such as spontaneous and recurrent miscarriages and, in addition, repeated implantation failure.

Furthermore, socioeconomical changes in an aging society are an additional challenge especially for the reproductive medicine specialist. Although highly developed in vitro fertilization techniques are available, many couples still face the problem of childlessness.

A quite new player in the field is the microbiome of the reproductive tract. For decades, it was believed that the uterus is sterile but an up to date analysis revealed that we not only have a vaginal microbiome but also a cervical, uterine, male, and even a placental microbiome.

Therefore, we would like to invite our colleagues to submit articles that deal with cellular and molecular mechanisms in the field of reproductive immunology to this Special Issue.





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Message from the Editor-in-Chief

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