



# Reproductive Immunology

## Basic Concepts

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**AUDIENCE:** Research scientists, students, PhD's in Immunology and MD's in reproductive immunology but also in gynecology and obstetrics

**SHELVING CLASSIFICATIONS:**

Basic Immunology

**BISAC CODES:** MJCM

**THEMA CLASSIFICATION:**

THEMAMJCM

**Provides an introduction to the immunological aspects of specific pregnancy complications**

A Volume in the *Reproductive Immunology Series*

### KEY FEATURES

- Shows the detailed evaluation of the knowledge related to each immune cell type in the pregnant and not pregnant uterus
- Evaluates each immune cell type and its function during specific reproductive events
- Provides the biological background for understanding the clinical aspects that will be discussed in subsequent volumes in the series

### DESCRIPTION

*Reproductive Immunology: Basic Concepts* gives a holistic insight into the understanding of the complex interactions between the maternal immune system and the fetal/placental unit necessary for the success of pregnancy. This interaction is critical for the support of the human fetal semiallograft and the protection against infections. The book covers various topics such as B cells, macrophages, T cells, discussion on fetal signals and their impact on maternal reproductive cells such as endometrial cells, mast cells, and the role of fetal Hofbauer cells, the immune regulatory role of glucocorticoids, and many other novel topics within the field of reproductive immunology.

Edited and written by experts in the field, this book introduces the up-to-date knowledge of the role of the immune system during pregnancy and provides the necessary background to understand pregnancy complications associated with alterations in the functioning of the immune system. The book provides a complete discussion on the immunological aspects of pregnancy and serves as a great tool for research scientists, students, reproductive immunologists and OBGYNs.

### RELATED TITLES

9780124158474; 9780123971883; 9780123852458



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