

## Special Issue

# The Role of Progesterone in the Feto-Maternal Immunological Relationship

### Message from the Guest Editors

Pregnancy represents a unique immunological situation. Progesterone and a progesterone-induced protein, PIBF, play important roles in the readjustment of the functioning of the maternal immune system during pregnancy.

Progesterone is indispensable to the initiation as well as the maintenance of pregnancy. This hormone is required for decidual transformation of the endometrial stroma and uterine quiescence in myometrial smooth muscle cells. It supports the physiological functions of the uterine cervix, controls the invasiveness of the embryonic trophoblast and malignant tumors, and has a profound effect on the maternal anti-fetal immune response.

Our increasing knowledge of the diverse actions of progesterone can be translated into clinical treatments for various pregnancy disorders, e.g., recurrent implantation failure, recurrent miscarriage, preterm labor syndrome, and preeclampsia.

This Special Issue will cover the role of progesterone in the feto-maternal immunological interaction as well as its possible clinical implications.

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### Guest Editors

Prof. Dr. Julia Szekeres-Bartho

National Laboratory for Human Reproduction, University of Pécs, 7624 Pécs, Hungary

Dr. Nandor Gabor Than

Systems Biology of Reproduction Research Group, Institute of Enzymology, Research Center for Natural Sciences, Budapest, Hungary

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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