

Special Issue

Molecular Mechanisms of Gestational Length Regulation

Message from the Guest Editor

Previous preterm birth and cervical length measurement are currently the strongest predictors for a subsequent preterm birth, however nulliparous women with no past obstetrical history continue to remain at a heightened risk. Thus the ability to accurately predict and prevent preterm labor remains one of the most critical challenges facing modern obstetrics. Currently it is clear that progesterone and progesterone receptor action are critical in the maintenance of uterine quiescence. Mechanisms that involve changes in ionic conductance that extend relaxation effects on the uterus have also been found to maintain uterine quiescence during pregnancy. However to date it remains unclear as to the events that precede and elicit the signals that allow for the onset of preterm uterine contractions and premature labor. In this issue we will cover trending research advances in the areas of endocrine function, ion channel regulation, exosome and novel paracrine signaling, immunological and inflammatory mediators, mechanical properties of the soft tissues involved in pregnancy and preterm birth and labor as a target of genomic research.

Guest Editor

Dr. Jennifer Condon
Wayne State University Detroit, Michigan, USA

Deadline for manuscript submissions

closed (15 January 2021)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/51687

Life
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
life@mdpi.com

mdpi.com/journal/

[life](https://mdpi.com/journal/life)





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



[mdpi.com/journal/
life](https://mdpi.com/journal/life)



About the Journal

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)