

## Special Issue

# Insulin Peptides, Adipokines and Incretins in Reproduction

### Message from the Guest Editors

The main topics in this Issue include but not limited to 1. insulin and insulin-like peptides in regulation of steroidogenesis, spermatogenesis and folliculogenesis; 2. involvement of insulin peptides, adipokines, and incretins in hypothalamic regulation of the HPG axis; 3. crosstalk between the somatotrophic and gonadal axes; 4. leptin, adiponectin, and other adipokines as regulators of steroidogenesis, folliculogenesis, and gametogenesis; 5. incretins in control of male and female reproduction; 6. insulin/leptin resistance and adipokine/incretin imbalance in etiology and pathogenesis of polycystic ovary syndrome; 7. insulin therapy as an approach to treat diabetes-associated reproductive disorders and gestational diabetes; 8. pharmacotherapy of reproductive diseases with drugs targeting adipokine and incretin signaling; 9. gut microbiome and reproduction (participation of incretins, insulin peptides, cytokines); 10. energy metabolism and reproduction/fertility: from hypothalamus to gonads; and 11. age-dependent changes in insulin, adipokines, and incretin signaling on reproduction. Welcome to submit original or review articles.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2023)



## International Journal of Molecular Sciences

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Molecular Sciences*  
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### Message from the Editor-in-Chief

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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