



## Insulin Peptides, Adipokines and Incretins in Reproduction

Guest Editors:

**Prof. Dr. Alexander Shpakov**

Sechenov Institute of  
Evolutionary Physiology and  
Biochemistry, Russian Academy  
of Sciences, 194223 St.  
Petersburg, Russia

**Dr. Kira V. Derkach**

Sechenov Institute of  
Evolutionary Physiology and  
Biochemistry, Russian Academy  
of Sciences, 194223 St.  
Petersburg, Russia

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submissions:

**closed (31 March 2023)**

### Message from the Guest Editors

Dear Colleagues,

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.

Prof. Dr. Alexander Shpakov





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### 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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*International Journal of Molecular  
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MDPI, Grosspeteranlage 5  
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