

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.

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