

## Special Issue

# Molecular Research on Proglucagon-Derived Peptides

### Message from the Guest Editor

The structurally related proglucagon-derived peptides (PGDPs), including glucagon-like peptides (GLPs), oxyntomodulin, glicentin, and glucagon, are encoded by a single mammalian proglucagon gene (gcg). PGDPs exert their effects through distinct G-protein-coupled receptors (GPCRs), and act on various tissues including the intestine, pancreatic islets, and brain. PGDPs have pleiotropic biological properties, controlling cell proliferation, energy homeostasis, and cytoprotection. Moreover, stable analogs (glucagon, GLP-1, and GLP-2), inhibitors of degradation (GLP-1), and antagonists (glucagon) have been developed for the treatment of common diseases such as obesity, diabetes, and neurodegenerative and cardiovascular disease.

In this Special Issue of IJMS, we will focus on molecular mechanisms underlying the biogenesis, activation, secretion, and actions of proglucagon-derived peptides in human health and diseases.

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### Guest Editor

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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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