

Special Issue

Anti-inflammatory Effects of Glucagon-Like Peptide-1

Message from the Guest Editors

Glucagon-like peptide-1 (GLP-1) is an incretin hormone which regulates glucose homeostasis and is mainly produced by intestinal epithelial endocrine L cells. The use of GLP-1 analogous, GLP-1 receptor (GLP-1R) agonists, as well as dipeptidyl peptidase-IV (DPP-IV) inhibitors, is well established in the treatment of type 2 diabetes. GLP-1R is widely expressed in several tissues, and therapies based on GLP-1 are of great clinical interest not only regarding its effects at the level of the beta cells, but also the biological actions exerted in other tissues. Among them, anti-inflammatory activity seems to be a common mechanism through which these therapies achieve beneficial effects. The focus of this Special Issue is any aspect of pancreatic and extra-pancreatic anti-inflammatory effects of GLP-1. The implication not only for diabetes, but also for other diseases is of particular interest.

Guest Editors

Dr. Alessandra Puddu

Department of Internal Medicine and Medical Specialties, University of Genoa, 6 Viale Benedetto XV, 16132 Genoa, Italy

Dr. Davide Maggi

Department of Internal Medicine and Medical Specialties, University of Genoa, 16132 Genoa, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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