



Bioengineering of Natural Molecules for Treatment of Metabolic Diseases

Guest Editor:

Prof. Dr. Sergio Acín Martínez

Department of Physiology and Biochemistry, Faculty of Medicine, University of Antioquia, Medellín 050010, Antioquia, Colombia

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Message from the Guest Editor

The search for effective molecules for the treatment of metabolic diseases has increased, and plants may offer potential pharmacological innovative approaches. However, low production levels and the continuous demand of industry for novel molecules with new or superior biological activities are factors that appear to limit the commercialization of plant-derived molecules.

Many natural products need to be upgraded in terms of pharmacokinetic properties, selectivity, and stability for therapeutic use. A novel approach is to create a chemical derivatization of a previously isolated natural product.

This Special Issue addresses on molecular and mechanistic research of bioengineered natural molecules and we invite researchers to contribute original research articles and reviews focused on different strategies of structural modification of natural molecules for the treatment of metabolic disorders.

Topics of interest include, but are not limited to, the following:

- Obesity;
- Diabetes;
- Insulin resistance;
- Inflammation;
- Dyslipidemia;
- Disorders of protein metabolism.





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Editor-in-Chief

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

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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