# Special Issue

## **Gastrointestinal Hormones**

## Message from the Guest Editor

Well over 100 different peptides with hormonal activity are produced and released by specialized epithelial cells (enteroendocrine cells) as well as neurons distributed along gastrointestinal tract. By different mechanisms, the expression of a single hormone gene can result in multiple peptides. Thus, several peptides belonging to the same or different families often coexist in these cells. Gastrointestinal hormones play an integral role in regulating the functions of gastrointestinal tract. Besides their regulatory effects on secretion, absorption, digestion, and gut motility, they also have a fundamental role in gut-brain communication, particularly in the control of food intake and energy homeostasis. In this context, another important player has more recently emerged, the gut microbiota, whose interaction with gastrointestinal hormones seems to have a key role in better understanding the effects of diets and improving the treatment of some intestinal disorders. The focus of this Special Issue will be on the most recent advances in gastrointestinal hormones, which are an essential component in developing new therapies for metabolic diseases and intestinal disorders.

## **Guest Editor**

Dr. María Ángela Burrell Bustos

- 1. CIBER Fisiopatología de la Obesidad y Nutrición (CIBEROBN), Instituto de Salud Carlos III, Pamplona, Spain
- 2. Obesity and Adipobiology Group, Instituto de Investigación Sanitaria de Navarra (IdiSNA) Pamplona, Pamplona, Spain
- 3. Department of Pathology, Anatomy and Physiology, University of Navarra, Pamplona, Spain

## Deadline for manuscript submissions

closed (20 June 2022)



# **Biomolecules**

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/94490

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

mdpi.com/journal/biomolecules





## **Biomolecules**

an Open Access Journal by MDPI

Impact Factor 4.8 CiteScore 9.2 Indexed in PubMed



## **About the Journal**

## Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in Biomolecules so far. We would be delighted to welcome you as one of our authors.

### **Editors-in-Chief**

### Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

## Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

### **Author Benefits**

### Open Access

 free for readers, with article processing charges (APC) paid by authors or their institutions.

## **High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)

