

Special Issue

The Regulatory Roles of the Gut Microbiota in Multisystem Diseases

Message from the Guest Editors

Biomedical science is currently witnessing a turning point—the so-called microbiota revolution. Accumulating evidence highlights the pivotal role of the microbiota in multisystem disease pathophysiology, leading to more awareness and ongoing research in this field. Clarifying this complex interaction can enhance our knowledge and potentially facilitate the development of increasingly precise, patient-targeted therapeutic strategies. The focus in research has shifted from analyzing bacterial populations to studying broader aspects of microbial elements. Of these, bacteriophages, particularly engineered ones, are proving significant, being promoted as preventive and therapeutic agents. This Special Issue aims to garner high-quality contributions that examine the importance of the microbiota in common and less common diseases, with particular emphasis on internal medicine. The improved survival rates of patients with inherited metabolic diseases, such as Fabry disease and phenylketonuria, pose new clinical challenges that require innovative pathophysiological insights and new treatment approaches.

Guest Editors

Dr. Mario Caldarelli

1. Department of Translational Medicine and Surgery, Catholic University of Sacred Heart, 00168 Rome, Italy
2. Fondazione Policlinico Universitario A. Gemelli, Istituto di Ricerca e Cura a Carattere Scientifico (IRCCS), 00168 Rome, Italy

Dr. Rossella Cianci

Department of Translational Medicine and Surgery, Catholic University, Fondazione Policlinico Universitario A. Gemelli, IRCCS, 00168 Rome, Italy

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

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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