

Special Issue

Advances in Molecular Mechanisms in Chronic Kidney Disease

Message from the Guest Editors

Chronic kidney disease (CKD) affects more than 10% of the population worldwide, and its burden is increasing. Prevention, early detection and early treatment are key aspects to avoid its negative consequences on health, improve life expectancy, and reduce healthcare costs. In this context, exploring molecular pathways of the pathophysiology mechanisms involved in this disease state is becoming more important. The current concept of healthcare promotes the use of personalized interventions against diseases. In more practical terms, identifying individuals at high risk for developing CKD will help develop and adapt treatment strategies, with healing as a possible endpoint. The gut microbiota, genes other than those involved in autosomal dominant polycystic kidney disease (ADPKD), several enzymes and their substrates are the focus of clinical research. This Special Issue, “Advances in Molecular Mechanisms in Chronic Kidney Disease”, aims to garner original research articles and review articles that investigate the molecular pathways involved in CKD. New biomarkers for the disease should be addressed in order to improve the management of CKD.

Guest Editors

Prof. Dr. Francisco Herrera-Gómez

1. Transplantation Center, Lausanne University Hospital & University of Lausanne, CH-1011 Lausanne, Switzerland

2. University Hospital of Burgos, Av. Islas Baleares 3, 09006 Burgos, Spain

Dr. María J. Izquierdo

University Hospital of Burgos, Av. Islas Baleares 3, 09006 Burgos, Spain

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

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

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

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