

Special Issue

The Role of the Immune System in Kidney Disease: Advances in Mechanisms and Therapeutics

Message from the Guest Editor

The kidney is a vital organ with multiple functions for the organism, including the filtration of toxic substances from serum and the regulation of blood pressure or hematopoiesis. There is a very close relationship between the kidney and the immune system. It is well known that the immune system may be at the origin of many variants of kidney diseases, either directly or indirectly. For example, immune system dysregulation, involving the production of autoantibodies, is the cause of diseases, such as IgA glomerulopathies, lupus nephropathy, ANCA-associated vasculitis, or membranous nephropathy. In recent decades, much progress has been made in the mechanisms of the allogeneic response and immunosuppression, which has opened up new avenues of study with great therapeutic potential. The aim of this Special Issue is to compile emerging research in the field of immunology related to kidney disease. The spectrum of studies is very broad, but always within the effects of the immune system on the kidney. In addition, therapeutic applications for the treatment of immune-mediated nephropathies, including those resulting from kidney transplantation, are welcomed.

Guest Editor

Dr. Hans-Kristian Lorenzo

1. Department of Life of Sciences, Paul Brousse Hospital, Université Paris-Saclay, 14 avenue Paul Vaillant Couturier, 94807 Villejuif, France
2. Bicêtre Hospital, Department of Nephrology, 78 Rue du Général Leclerc, 94270 Le Kremlin-Bicêtre, France
3. INSERM UMR 1197, 14 avenue Paul Vaillant Couturier, 94807 Villejuif, France

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

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Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

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