

## Special Issue

# Insights into the Molecular Regulation of Ion Transporters in Chronic Kidney Disease

### Message from the Guest Editor

The critical balance of fluid and electrolytes is strictly controlled by the kidney via numerous ion transporters expressed and localized in specific regions of the nephron. Genetic mutations or environmental factors can cause severe electrolyte imbalances in these ion transporters, leading to several clinical syndromes. Chronic renal disease may also alter the expression and function of membrane carriers and transporters in the kidney. Understanding the molecular and consequential effects of ion transporters' aberrant trafficking and expression in health and disease is therefore essential for developing new treatment strategies for the prevention and treatment of chronic kidney disease (CKD). With this aim in mind, this Special Issue, "Insights into the Molecular Regulation of Ion Transporters in Chronic Kidney Disease", will present original articles and reviews highlighting the state of the art of our current knowledge of the role of ion transport in CKD, the most recently proposed therapeutic strategies, and the insight gained from studies investigating these topics in both cell and animal models and patients.

### Guest Editor

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### Deadline for manuscript submissions

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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