

Special Issue

Molecular Advances in Aldosterone and Aldosterone Related Disorders

Message from the Guest Editor

Aldosterone plays an important role in the pathogenesis of cardiovascular, renal, and metabolic diseases. Aldosterone synthesis is regulated not only by angiotensin II and potassium but also substance P, indicating that the autonomic nervous system exerts a direct stimulatory role. A potential role of aldosterone-producing cell clusters (APCCs) in aldosterone-related disorders has been reported. Several somatic mutations in ion-channel genes have been implicated in the development of aldosterone-producing adenoma and APCCs. Mineralocorticoid receptors (MRs) exist in both epithelial and non-epithelial cells such as vascular endothelial and smooth muscle cells, cardiomyocytes, and adipocytes. Type II lung epithelial cells possess MRs, which may contribute to COVID-19 complications. The purpose of this Special Issue is to highlight the molecular advances in aldosterone synthesis, and the pathophysiological roles of aldosterone and aldosterone-related disorders.

Guest Editor

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Message from the Editor-in-Chief

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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