Special Issue

Disposition of Uremic Toxins: The Challenges in Uremia

Message from the Guest Editor

In patients with chronic kidney disease, adequate renal clearance is compromised, resulting in the accumulation of a plethora of uremic solutes. These uremic retention solutes, also named uremic toxins, are a heterogeneous group of organic compounds with intrinsic biological activities. Replacement therapies, such as hemodialysis, only partially restores kidney function as they remove mainly small, unbound substances from the circulation, while leaving large, compartmentalized and protein-bound uremic retention solutes untouched. A better understanding of the aspects associated with the disposition of protein-bound uremic toxins, will aid in developing better therapies for kidney disease patients. This Special Issue of *Toxins* will include original research articles and mini-reviews on the role of intestinal and hepatic metabolism of uremic solutes, their binding to plasma proteins and disposition-associated transport mechanisms, as well as excretion pathways for the toxins.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

Editor-in-Chief

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