



Disposition of Uremic Toxins: The Challenges in Uremia

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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.





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Message from the Editor-in-Chief

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