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Cellular and Molecular Mechanisms of Nephropathic Cystinosis

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editor

Dear Colleagues,

Nephropathic cystinosis (MIM # 219800) is a rare autosomal recessive disorder caused by mutations in the lysosomal cystine transporter cystinosin, encoded by the *CTNS* gene (17p13.2). The disease is characterized by lysosomal cystine accumulation in all cells of the body. Cystinosis usually manifests as a general proximal dysfunction, also called renal Fanconi syndrome; however, during the course of the disease, many other organs (eyes, endocrine glands, muscles, central and peripheral neural systems, bones, and liver) become affected.

In this Special Issue, we will highlight the state-of-the-art in our understanding of cellular and molecular mechanisms of nephropathic cystinosis, opening new horizons for innovative treatment strategies for cystinosis and potentially other lysosomal storage diseases.

For further reading, please visit the Special Issue website.

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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