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The Na⁺/Ca²⁺ Exchanger Family: New Insights in Its Structure, Function, and Regulation

Guest Editor:

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Deadline for manuscript submissions:

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Message from the Guest Editor

The Na⁺ – Ca ²⁺ exchanger (NCX) family plays a crucial role in maintaining cellular Ca²⁺ homeostasis throughout the kingdoms of life. Members of this family play key roles in a myriad of physiological processes, including skeletal and cardiac muscle activity, hormone secretion, neurotransmission, and renal function, among many more.

This Special Issue aims to provide a contemporary overview of NCX members' function in health and disease, with a special focus on the underlying structure–function relationships and regulatory mechanisms. We encourage the submission of both review and original research articles addressing these topics, as well as manuscripts addressing the development of novel pharmacological approaches to target NCX in different disease states.

Keywords:

- sodium-calcium exchange
- structure-function relationships
- allosteric regulation
- ion specificity
- post-translational modifications
- pharmacology













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Message from the Editor-in-Chief

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