

## Special Issue

# The Na<sup>+</sup>/Ca<sup>2+</sup> Exchanger Family: New Insights in Its Structure, Function, and Regulation

### Message from the Guest Editor

The Na<sup>+</sup> – Ca<sup>2+</sup> exchanger (NCX) family plays a crucial role in maintaining cellular Ca<sup>2+</sup> 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

### Guest Editor

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### Deadline for manuscript submissions

closed (23 May 2023)



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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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### Editor-in-Chief

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