



BIOPHYSICAL CHEMISTRY

Special Issue

Developments and Applications of Native Membrane Nanoparticles

There is considerable current interest in the development of nanodiscs, and their applications are increasing, as can be realized by the growing number of articles published in this exciting multidisciplinary area. A timely Special Issue on *Biomembrane Nanodiscs* has been approved for publication in the [BIOPHYSICAL CHEMISTRY](#) journal. Contributions can be a comprehensive review, short review, original article, or communication. There is no page limit, no page charges, and no charges for color figures. The journal also offers the open access option to publish articles submitted to the special issue. Journal and manuscript submission details can be found on the [journal website](#).

The specific topics covered in the special issue include the following:

- **Synthesis and characterization of molecules (such as polymers, peptides, nucleic acids, and proteins) forming lipid nanodiscs.**
- **Approaches for the functional reconstitution of membrane proteins in lipid nanodiscs.**
- **Structural, functional, and dynamic studies on membrane proteins/peptides containing nanodiscs.**
- **Drug and small molecule encapsulation and delivery**
- **Computational and simulations on the formation and structure of nanodiscs.**
- **Novel new applications of nanodiscs.**

While leading research groups are invited to contribute to the special issue, we also ask the participants of the forthcoming [SMALP-23 International Conference](#) (Oct. 19-22, 2023) organized by Professor Barry Bruce at the University of Knoxville. The time window for submitting a manuscript contribution to this Special Issue is between January 1 - March 31, 2024.

If you would like to submit an article or have questions, please contact one of the Guest Editors of the special issue.

Guest Editors:

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