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# **Membrane Regulation of Protein Function**

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Deadline for manuscript submissions: closed (31 December 2022)

#### Message from the Guest Editors

Dear Colleagues,

There is growing evidence that the lipid matrix of cellular membranes plays a significant role in regulating protein activity and signal transduction across the membrane. The community researching lipid–protein interaction approaches the topic from different aspects:

- Mechanical regulation of proteins by changing elastic parameters of the lipid membrane, such as surface tension for mechanosensitive proteins;
- Protein–lipid clustering into nanodomains due to preferred partitioning toward the liquid-ordered or liquid-disordered phase;
- Protein clustering of water-soluble proteins triggered by interaction with a lipid membrane;
- Regulation of protein activity by specific interaction with lipids;
- Folding of peptides and intrinsically disordered proteins onto lipid membrane, and more.

**Special**sue

The current issue aims to cover the progress in understanding the interplay between the protein function and state/composition of the lipid membrane.



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## **Editor-in-Chief**

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#### Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375).

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