

# Biophysical Journal Call for Papers

## Special Issue: Biophysics of Membrane Reactions in the Brain

**Editors:** *Ana-Nicoleta Bondar, University of Bucharest and Forschungszentrum Jülich*  
*Kalina Hristova, Johns Hopkins University*  
*Kumiko Hayashi, The University of Tokyo*

We invite contributions to our special issue, "Biophysics of Membrane Reactions in the Brain," highlighting high-quality original research on all topics addressed in the 2026 Biophysical Society Thematic Meeting Biophysics of Membrane Reactions in the Brain. These topics include basic science and applications of proteins involved in neurological disorders and brain disease, cellular signaling pathways implicated in brain function, conformational dynamics of proteins essential for brain function, reactions at brain membrane interfaces, and methodological developments that facilitate the study of membrane reactions in the brain. We welcome contributions reporting experimental, computational, and theoretical studies.

The Journal aims to publish the highest-quality work; articles should have sufficient importance to be of general interest to biophysicists regardless of their research specialty. Please contact the editors with queries about scope and suitability. We plan to include in the special issue a few reviews and perspective articles, which are typically by invitation. If you are interested in contributing a review or perspective, please contact the editors ([nbondar@fizica.unibuc.ro](mailto:nbondar@fizica.unibuc.ro), [kalina.hristova@jhu.edu](mailto:kalina.hristova@jhu.edu), and [hayashi@issp.u-tokyo.ac.jp](mailto:hayashi@issp.u-tokyo.ac.jp)).

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**Deadline for submission: January 30, 2027**

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- Instructions for authors can be found at: <https://www.cell.com/biophysj/authors>.
- Please include a cover letter stating that you would like to contribute to the special issue "Biophysics of Membrane Reactions in the Brain" and describe why the work fits into the special issue.
- Normal publishing charges will apply.
- Questions can be addressed to the BJ Editorial Office at [BJ@biophysics.org](mailto:BJ@biophysics.org) or to (240) 290-5600.



To submit, visit <https://www.editorialmanager.com/biophysical-journal/>