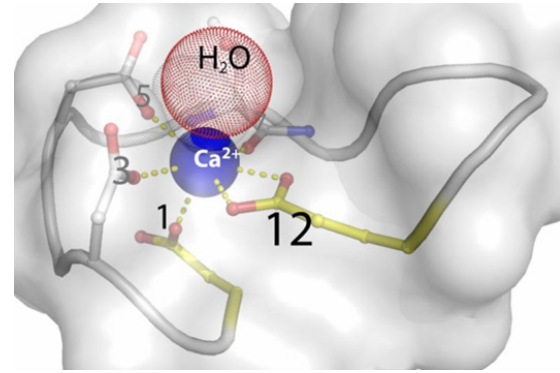


Biophysical Journal Call for Papers



Bioelectricity and Molecular Signaling: Dedicated to Rick Aldrich

Editors: *Baron Chanda and Marcel P. Goldschen-Ohm*



To celebrate the scientific contributions of our colleague and past president of the Biophysical Society, Richard Aldrich, we invite contributions from all areas of biophysics, especially mechanisms of electrical signaling molecules such as ion channels or transporters and their associated proteins.

Aldrich, who retired in 2022, had a profound impact on the field of ion channel biophysics. His work on voltage-gated ion channels has provided foundational advances on the mechanisms of their activation and inactivation. From a dance of voltage sensors with ball and chains, he orchestrated detailed models of these processes that capture their likeness with exquisite timing. Aldrich's investigations of the energetic linkage between calcium binding, voltage sensing, and ion pore gating domains remain a comprehensive tour de force. Across spatial and temporal scales from the vibrations of single calcium-binding sites to the energy landscapes of protein complexes, he has brought exceptional rigor and insight to the study of ion channels and their associated proteins. His consistent ability to ask important questions, carefully execute challenging experiments, and obtain mechanistic insight therefrom exemplifies the highest standards in scientific exploration.

We welcome contributions from scientists working to advance our understanding of the molecular mechanisms of signaling molecules by using experimental and computational approaches.

Deadline for submission: August 31, 2023

- 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 Aldrich special issue and please describe why the work fits into the special issue.
- Normal publishing charges will apply.
- Questions can be addressed to the BJ Editorial Office [BJ@biophysics.org; (240) 290-5600], Baron Chanda (bchanda@wustl.edu), or Marcel Goldschen-Ohm (goldschen-ohm@utexas.edu).



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