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DESCRIPTION

Journal of Structural Biology (JSB) has an open access mirror journal, the Journal of Structural Biology: X (JSBX), which has the same aims and scope, editorial board and peer-review process. To submit to Journal of Structural Biology: X visit https://www.editorialmanager.com/YJSBX/default.aspx. JSB publishes papers dealing with the structural analysis of living material at every level of organization by all methods that lead to an understanding of biological function in terms of molecular and supermolecular structure.

Techniques covered include:

- Light microscopy including confocal microscopy
- All types of electron microscopy
- X-ray diffraction
- Nuclear magnetic resonance
- Scanning force microscopy, scanning probe microscopy, and tunneling microscopy
- Digital image processing
- Computational insights into structure

The field covered by the journal extends from the structural organization of cells and tissues, their membranes, compartments, organelles and supramolecular assemblies, to the structure and conformation of proteins and nucleic acids from the molecular to the atomic level.

Benefits to authors

JSB is focused on promoting the authors and the work published in the journal: All articles are carefully evaluated by the Editors-in-Chief and Associate Editors who are all leading experts in their field. Availability: contact the Editors-in-Chief and the Associate Editor via the Editorial Board page for any questions you may have. The Journal will provide upon request free PDFs to all authors who may not have access to their articles via their institution or library. Publication is free to authors (no color or page charges). Supporting open access: if your funding body or institution requires your article to be open access, JSB offers that option. Please see details here or publish your work in JSBX. Reuse figures from any JSB article via "get rights and content" hyperlink available within each article (below author names and affiliations) on ScienceDirect. Please click here for more information on more general author services.
AUDIENCE

Biochemists, crystallographers, cell biologists, structural biologists

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GUIDE FOR AUTHORS

INTRODUCTION

Journal of Structural Biology (JSB) has an open access partner journal, Journal of Structural Biology: X (JSBX). JSB and JSBX have the same aims and scope. A unified editorial team manages rigorous peer-review for both journals using the same submission system. The author’s choice of journal is blinded to referees and editors, ensuring the editorial process is identical.

The Journal of Structural Biology publishes papers dealing with the structural analysis of biological matter at all levels of organization and the functional connotations of such observations. The field covered by the journal extends from individual macromolecules to cells and tissues with emphasis on the supramolecular (e.g., complexes and machines) and subcellular (e.g., membranes, compartments, cytoskeleton) levels of the structural hierarchy.

Novel applications of and methodological innovations in electron microscopy, X-ray diffraction, probe microscopy, and light microscopy, as well as aspects of computational biology, image processing, bioinformatics and structural prediction, and other biophysical techniques yielding structural information are of interest to the journal. In the context of structural cell biology, papers dealing with cellular architecture and dynamics are particularly welcomed. We see biomineralization as an important area of interest.

Preference will be given to research that correlates structural results with functional, biochemical, biophysical, immunological, or genetic data on the system under study. Purely descriptive contributions should deal with the discovery of novel structural entities of biological significance or novel insights from innovative imaging modalities.

For any questions, you may contact our Editorial Office at jsb@elsevier.com.

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In addition to regular full-length papers, the Journal of Structural Biology publishes Technical Notes and Structure Reports.

The primary consideration for eligibility as a Technical Note is that the methodological innovation reported should have sufficient significance and originality to merit publication separate from the application. That significance/originality should be described in the letter of submission.

Structure Reports concisely document macromolecular structures, including those emanating from structural genomics. Where no biological role is yet determined, these reports can be presented without such connections. In addition to appropriate quality of the reported structure, it is essential that the procedures used to prepare the protein and to determine the structure should be repeatable with the information provided.
A Technical Note or Structure Report should not exceed four printed pages including figures (1 page ~ 900 words/5000 characters).

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The *Journal of Structural Biology* Paper of the Year Award is conferred annually and consists of a cash prize of $1000 and an award certificate. The recipient should be a young scientist (graduate student or postdoctoral fellow) who has been first author or co-first author of a paper that appeared in JSB in the preceding three years or who had that status (graduate student or fellow) at the time the published work was done. Nominations can be made by any reader. A nomination, not exceeding 300 words, should consist of a statement of the particular merit of the paper and should be sent by e-mail to jsb@elsevier.com. The cutoff date for nominations in any year is 31 December. An unsuccessful nomination will remain eligible in the following years, subject to the three-year limitation.

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