DESCRIPTION

Current Opinion in Structural Biology (COSB) aims to stimulate scientifically grounded, interdisciplinary, multi-scale debate and exchange of ideas. It contains polished, concise and timely reviews and opinions, with particular emphasis on those articles published in the past two years. In addition to describing recent trends, the authors are encouraged to give their subjective opinion of the topics discussed.

In COSB, we help the reader by providing in a systematic manner:

1. The views of experts on current advances in their field in a clear and readable form.
2. Evaluations of the most interesting papers, annotated by experts, from the great wealth of original publications.

The journal is part of the Current Opinion and Research (CO+RE) suite of journals and is a companion to the primary research, open access journal, Current Research in Structural Biology. CO+RE journals leverage the Current Opinion legacy of editorial excellence, high-impact, and global reach to ensure they are a widely-read resource that is integral to scientists’ workflows.

COSB will serve as an invaluable source of information for researchers, lecturers, teachers, professionals, policy makers and students.

Division of the subject into sections

The subject of Structural Biology is divided into twelve themed sections, each of which is reviewed once a year. Each issue contains two sections, and the amount of space devoted to each section is related to its importance.

- Folding and Binding
- Nucleic acids and their protein complexes
- Macromolecular Machines
- Theory and Simulation
- Sequences and Topology
- New constructs and expression of proteins
- Membranes Engineering and Design
- Carbohydrate-protein interactions and glycosylation
- Biophysical and molecular biological methods
- Multi-protein assemblies in signalling
- Catalysis and Regulation
- Selection of topics to be reviewed

Section Editors, who are major authorities in the field, are appointed by the Editors of the journal. They divide their section into a number of topics, ensuring that the field is comprehensively covered.
and that all issues of current importance are emphasised. Section Editors commission reviews from authorities on each topic that they have selected. The Editorial Board provides support to the Editors and the Section Editors with their comments and suggestions on names and topics.

Review articles in COSB are by invitation only. The journal does not accept manuscripts other from those invited by section editors, appointed by Editors-in-Chief.

Review Articles

Authors write short review articles in which they present recent developments in their subject, emphasizing the aspects that, in their opinion, are most important. In addition, they provide short annotations to the papers that they consider to be most interesting from all those published in their topic over the previous two years.

Editorial Overview

Section Editors write a short overview at the beginning of the section to introduce the reviews and to draw the reader’s attention to any particularly interesting developments. This successful format has made COSB one of the most highly regarded review journals in the field.

AUDIENCE

Structural Biologists in academia and industry who are interested in keeping abreast of advances in structural biology.

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The Current Opinion journals were developed out of the recognition that it is increasingly difficult for specialists to keep up to date with the expanding volume of information published in their subject. In the Current Opinion journals, we help the reader by providing in a systematic manner: (1) The views of experts on current advances in the field in a clear and readable form. (2) Evaluations of the most interesting papers, annotated by experts, from the great wealth of original publications.

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