

### MISSION STATEMENT

*Biophysical Journal (BJ)* is the leading international journal for original research in molecular, cellular, and systems biophysics.

Modern biophysics is a broad and rapidly advancing field encompassing the study of biological structures with a focus on mechanisms at the molecular, cellular, and systems level using the concepts and methods of physics, chemistry, mathematics, engineering, and computational science. Research on a broad range of biological problems is unified when approached with this common set of intellectual tools.

*BJ* aims to publish the highest quality work representing this quantitative approach to biological science. Articles should be of sufficient impact to be of general interest to biophysicists, regardless of their research specialty.

### SCOPE

*BJ* publishes original articles, letters, and perspectives on important problems in modern biophysics. The papers should be written so as to be of interest to a broad community of biophysicists. *BJ* welcomes experimental studies that employ quantitative physical approaches for the study of biological systems, including or spanning scales from molecule to whole organism. Experimental studies of a purely descriptive or phenomenological nature, with no theoretical or mechanistic underpinning, are not appropriate for publication in *BJ*. Theoretical studies should offer new insights into the understanding of experimental results or suggest new experimentally testable hypotheses. Articles reporting significant methodological or technological advances, which have potential to open new areas of biophysical investigation, are also suitable for publication in *BJ*. Papers describing improvements in accuracy or speed of existing methods or extra detail within methods described previously are not suitable for *BJ*.

Papers are handled by an Editorial Board of more than 100 scientists who solicit reviewers with the requisite expertise. The Editorial Board is divided among the following sections; these descriptions also serve to detail the scope of science published by *BJ*:

**Section I—Proteins and Nucleic Acids.** This section covers the biophysics of protein and nucleic acid structure, function, and interactions. The emphasis is on molecular biophysics encompassing experimental, computational, and theoretical approaches.

**Section II—Channels and Transporters.** This section covers mechanistic studies of the structure, function, and regulation of membrane transport proteins and signaling receptors. The emphasis is on studies that use experimental and/or computational methods.

Section III—Cell Biophysics. This section covers work that furthers our understanding of molecular function and interactions within and between cells and elucidates how these mechanisms are regulated within the cellular milieu.

Section IV—Membranes. This section covers the analysis of the structure, organization, and function of artificial and biological membranes via state-of-the art experimental and theoretical biophysics approaches.

Section V—Systems Biophysics. This section covers the analysis of collective properties in systems of interacting components, including biomolecular networks, organelles, tissues, organs, and whole organisms. Special emphasis is placed on studies that link multiple levels of biological organization, from gene sequence to nonlinear and network-level phenomena, such as pattern formation, metabolism, and signal transduction.

Section VI—Molecular Machines, Motors, and Nanoscale Biophysics. This section covers biophysical studies of molecular motors (cytoskeletal and non-cytoskeletal), cytoskeletal assemblies, and muscle contraction and studies that use single-molecule tracking, force spectroscopy, and other nanoscale techniques.

## GENERAL POLICIES

### RESEARCH TRANSPARENCY AND MATERIALS AND DATA AVAILABILITY

The Biophysical Society, publisher of *BJ*, agrees fully with the intent of the National Institutes of Health *Principles and Guidelines for Reporting Preclinical Research* (<http://www.nih.gov/about/reporting-preclinical-research.htm>)—to encourage reproducible, robust, and transparent research.

The Journal's *Guidelines for the Reproducibility of Biophysics Research* can be found at <http://www.cell.com/biophysj/authors>.

### PRIOR PUBLICATION

Manuscripts submitted to *BJ* must be original; papers and supporting material that have already been published or are concurrently submitted elsewhere for publication are not acceptable for submission.

If some part of the work has appeared or will appear elsewhere, the authors must give the specific details of such appearances in the cover letter accompanying the *BJ* submission. If previously published illustrative material, such as figures or tables, must be included, the authors are responsible for obtaining the appropriate permissions from the publisher(s) before the material may be published in *BJ*.

Some authors prefer to post their manuscripts to preprint servers before submitting them to regular journals. Manuscripts may be posted on ArXiv, but please contact the Editorial Office ([BJ@biophysics.org](mailto:BJ@biophysics.org)) before posting your article on other preprint servers if you plan to submit to *BJ*. *BJ* will consider for publication manuscripts that have been posted informally on a private website. *BJ* will not accept manuscripts that have been posted on "virtual journal" websites following review. Questions related to this policy should be directed to the Editorial Office.

Information gained from other peoples' web postings should be referenced in manuscripts as personal communications, and the names of the authors and the URL where the information is posted must be

supplied. Those making reference to information of their own that appears on the web should reference it as "unpublished data" and again give the URL where it may be found.

## RELATED WORKS

Authors are strongly advised to include, along with their manuscript submission, related papers and any information that will aid in the review process. If this material is not included along with the submission, processing may be delayed because the handling editor can be expected to request these materials from the authors. This includes closely related manuscripts under review at other journals.

## REVIEWERS

Regular manuscripts are typically reviewed by one to three reviewers who are solicited by the handling editor. Editors may request additional reviews. Suggested reviewers are contacted at the discretion of the editor.

## ENGLISH USAGE

All submitted papers should be written with the use of proper English. For assistance with writing and editing papers, visit the link below and navigate to Services/Manuscript Services:

<http://www.councilscienceeditors.org/>.

## PAGE LIMIT

Authors should use the link below to estimate the number of printed pages for their manuscript. **We encourage papers of a maximum of 12 pages total (10 of text and 2 of references).** As of July 1, 2014, papers longer than 12 pages may be submitted but should be accompanied by a justification for the additional length and will be assessed at higher page charges for each page above 12.

### PAGE ESTIMATION LINK

<http://www.biophysics.org/tabid/556/default.aspx>

Use the "characters (with spaces)" word count. The word count should include the title page, abstract, article text, appendices, and table and figure legends, but NOT references. Figures larger than 3.25 inches wide by 4 inches high should be counted as two in the formula.

## AUTHORSHIP

The co-authors of a paper should include all persons who have made significant scientific contributions to the reported work and who share responsibility and accountability for it. Other contributors should be indicated in the Acknowledgments section. Inclusion of a name as an author is a statement that this person did make significant scientific contributions; administrative relationships to the investigators do not qualify a person for co-authorship. Deceased persons who meet the criteria for co-authorship should be included, with a footnote indicating date of death.

Authors are asked to include an "Author Contributions" section in their submitted manuscript. This should be a separate subhead within the manuscript and should appear just before the "Acknowledgements" section or, if there are no acknowledgements, just before the "References." This text should describe the contributions of each author, designated by initials. Authors are to indicate their specific contributions to submitted work. Examples of designations an author could report include the following: designed research;

performed research; contributed analytic tools; analyzed data; or wrote the paper. An author may list more than one contribution, and more than one author may have contributed to the same aspect of the work. If a manuscript does not include this information when submitted, it will be returned to the authors with a request to add the paragraph, or the authors may be queried for the information at the proof stage.

An author submitting a manuscript for publication accepts the full responsibility for including as co-authors all appropriate persons. The submitting author must have previously sent each co-author a draft copy of the manuscript and obtained the co-authors' agreement to co-authorship. All authors will be notified that the paper has been submitted. To ensure acknowledgment of submission, current email addresses must be provided for all authors on the paper.

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*BJ* requires all authors to disclose any private-sector financial conflicts of interest that might be construed to influence either the results or the interpretation of their manuscript, such as a significant financial benefit or significant fractional ownership of a company with related interests. Authors must declare such conflicts both in the submission letter and in the Acknowledgments section of the manuscript itself. This policy applies to all submitted manuscripts and review materials.

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*BJ* expects the highest level of scholarship from its authors. Authors should cite papers that are closely related to the present work, that have been influential in determining the nature of the reported work, and that will aid the reader in locating earlier work essential for understanding the present studies. Except in a review, the citation of works that are not relevant or directly related to the reported research should be minimized. For critical materials used in the work, there must be proper citation and acknowledgement of non-author sources.

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## MATERIALS AND DATA AVAILABILITY

When authors are willing to distribute materials, software, or databases, they should state so in the manuscript and provide details for access to the data, such as a website URL and/or contact information.

When questions or disputes arise during review, the authors must be willing to make their primary data available to the handling editor.

## DATABASES

Sequences of nucleic acids and proteins, molecular structures from X-ray crystallography and NMR, as well as molecular models, electron microscopic reconstructions, and microarray data should be deposited in the appropriate database prior to publication. These data must be accessible without restriction upon publication of the submitted paper. Entry names or accession numbers must be included in the paper before its publication. Microarray data must be MIAME compliant.

To establish public access to the results of X-ray diffraction and NMR studies on biological macromolecules, authors of papers describing new structures must submit to the Protein Data Bank or the Nucleic Acid Data Base all of the data required to validate their paper, including atomic coordinates. If the paper discusses a protein structure only at the level of the main chain alpha carbon atoms, then only alpha carbon coordinates need be deposited. If the discussion involves higher-resolution data, then a full coordinate list must be deposited. The handling editor should be informed no later than the completion of the editorial process that the necessary information has been sent to the appropriate data bank. In keeping with generally accepted standards, coordinate files must be released by the date of publication. We encourage submission of lipid phase transition and miscibility data to LIPIDAT (M. Caffrey, The Ohio State University; <http://www.lipidat.tcd.ie/>).

To assure public access to computational models, authors are strongly encouraged to deposit their models in the CellML Model Repository (<http://models.cellml.org/cellml/>) or the Biomodels Database (<http://www.ebi.ac.uk/biomodels-main/>). When this is not possible, authors are encouraged to include their model code as a file in the Supporting Material.

### OTHER DATA SETS

In addition to the information that must be deposited in public databases as detailed above, authors are encouraged to contribute additional information to the appropriate databases. Authors are also

encouraged to deposit materials used in their studies in the appropriate repositories for distribution to researchers.

Examples of repositories that facilitate sharing large data sets, including some that offer the option of anonymous referee access to data before publication, include:

For proteomics data: PRIDE, PeptideAtlas

For protein interaction data: IMEx consortium of databases, including DIP, IntAct, and MINT

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Where there is no public repository and if the data sets are too large to submit to the journal online, authors should either consult the journal editorial office for advice or provide five separate copies of these data to the editors in an appropriate format (for example, CD or DVD) for the purposes of peer review.

## USE OF HUMAN SUBJECTS

If the manuscript reports results of studies of either human subjects or materials obtained from human subjects, it should state in the Materials and Methods section that the study was approved by the appropriate institutional review board (IRB) and/or that appropriate informed consent was obtained from human subjects.

## OPEN ACCESS AND EMBARGO POLICIES

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### WELLCOME TRUST

Authors funded by the Wellcome Trust must indicate this funding upon acceptance and pay \$1,800 (instructions provided upon acceptance) if they wish to comply with Wellcome Trust's policy. Their paper will then be delivered to PubMed Central upon publication; it will also be freely available on the *BJ* website.

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## ERRATA

Authors of published *BJ* material have the full responsibility to inform *BJ* promptly if they become aware of any required corrections after publication. Authors should send the corrected text in a Word document to [bj@biophysics.org](mailto:bj@biophysics.org). *BJ* will determine whether to change a paper after it has been published online or, instead, publish a Correction in the next available issue that will link to the original publication.

# TYPES OF ARTICLES

## REGULAR ARTICLES

Manuscripts should be formatted as **single-column**, single-spaced documents, and text should be justified. Side margins should be 1 inch. Font size should be 12, and fonts used should be Times New Roman for regular text, and Symbol for Greek and mathematical symbols.

**Please note:** If your paper is accepted you will be required to meet specific file requirements prior to publication. See 'Final File Formats'.

### ORDER OF MANUSCRIPT SECTIONS

- Title Page
- Abstract
- Main Text (Introduction, Materials and Methods, Results, Discussion [or Results and Discussion], Conclusion) —**Figures or tables, along with their titles and captions, should be embedded in the text as they are referenced in the paper when submitting for review.**
- Acknowledgments
- References (numbered)
- Supporting Materials (movies, database files, etc. may be uploaded as separate files)

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## STYLE

Papers are to follow the conventions of the Council of Science Editors Style Manual. Additional information can be obtained from the [BJ Style Guide](#).

## TITLE

The title of each manuscript should identify the content of the article; clarity and conciseness are essential for indexing, abstracting, and retrieval. Not more than 100 characters and spaces should be used. A condensed running title of no more than 40 characters (including spaces) must be provided on the title page.

## KEYWORDS

Up to six keywords or phrases not in the title must be provided. These will be used for indexing and for selecting reviewers.

## ABSTRACTS

Each manuscript must be accompanied by an informative abstract of no more than 300 words. Abstracts should describe the substance of the paper in language non-specialists can understand, and must make clear the paper's biological significance. Reference citations are not allowed in the Abstract of a paper.

## APPENDICES

Appendices are formatted the same as the other major sections of the article (Materials and Methods, Results, Discussion, etc. for regular articles) with one exception: instead of subheadings, the sections are broken down as Appendix A, Appendix B, and so forth, although subheadings within those aforementioned main "A" and "B" headings are permissible. The numbering of equations can either continue sequentially from the main text (34, 35, 36, ...) or be specific to the Appendix itself (A1, A2, A3, ...). The numbering of reference citations continues sequentially (very important). Placement of the Appendix is immediately after the main text (i.e., before Supporting Material, Acknowledgments, and References).

## FOOTNOTES

The only footnotes should be on the title page (used within the author list to denote affiliations) or in tables (defined within the table legend). Do not use footnotes to note definitions or abbreviations; instead, please list such text parenthetically at the point of reference.

Author-list footnotes should be numbered (<sup>1</sup>, <sup>2</sup>, <sup>3</sup>, etc.), and table footnotes should be lettered (<sup>a</sup>, <sup>b</sup>, <sup>c</sup>, etc.).

Please do not use the range format to indicate multiple footnotes; instead, list each footnote individually (e.g., <sup>1,2,3,4</sup>, not <sup>1-4</sup>; and <sup>a,b,c,d</sup>, not <sup>a-d</sup>).

## MATERIALS AND METHODS

Capitalize trade names and give manufacturers' full names and addresses (city and state).

## EQUATIONS

Equations are to be typewritten. Handwritten equations will not be accepted. Clearly indicate capital and lowercase letters. Label Greek and unusual symbols the first time they appear. Use fractional exponents instead of root signs. The solidus (/) for fractions will save vertical space. Equation numbers should be



cited in the text without parentheses (e.g., Eq. 9, Eq. 10). Do not cite equations numerically only, but be sure to add the "Eq." Do not cite equations in the Abstract.

When creating equations, you may use LaTeX, Math Type, or Word's Equation Editor (not Equation Builder; please see note below). However, please note that LaTeX files must be converted to .doc files by our composition team; as a result, approximately 1 week will be added to the production timeline for LaTeX manuscripts. The latter two options do not incur any extra conversion time during production.

**Note:** As a result of technical problems associated with the program, Equation Builder (the default equation tool in Word 2007/2010) should not be used. To insert an Equation Editor equation in Word 2007/2010, go to the Insert tab, select the pull-down option labeled "Object", and choose "Microsoft Equation 3.0."

## REFERENCES

References are cited in numerical order in the text and are designated by that reference number in parentheses. The numbers, in parentheses, can be repeated at each citation of the referenced material. References appearing solely in figure legends and tables follow those in the text. Reference citations are not allowed in the Abstract. The following is an example of numbered citations:

Membrane channels with large aqueous pores are traditionally regarded as "molecular sieves" that discriminate between different molecules based on their size (1,2). This simplified view, however, contradicts emerging experimental evidence that permeation through these structures involves intimate molecular interactions (3–5). Metabolite-specific channels exhibit affinity to their metabolites; permeating molecules do not just slip through the pore, but feel strong attraction to the pore-lining residues. The now classical example is bacterial porin LamB (6), where the existence of an extended binding zone for oligosaccharides is firmly established. More recent examples include ATP interactions with VDAC (3) and penicillin antibiotic interactions with the general bacterial porin OmpF (4,6,7,8).

## UNPUBLISHED DATA AND PERSONAL COMMUNICATION

Citations such as "unpublished data" and "personal communication" should be included parenthetically in the text, with all authors' initials and last names, and **must not appear in the reference section**. For personal communications, include cited author's institutional affiliation and written permission to use material cited. For the reference list, follow the style of the examples listed here, noting that each reference is numbered according to the number in which it appears in the text.

## SUPPORTING REFERENCES

All unique supporting references must be included at the end of the main-text reference list. Please see the [Supporting Material](#) instructions for more information.

## ADDING AND DELETING REFERENCES

If references are added in the proof stage, they and their corresponding citations must be inserted per their proper numerical order and the rest of the citations/references renumbered accordingly. References deleted in the proof stage will read, e.g., "3. Reference deleted in proof." Their corresponding numbers will remain in the text.

## REFERENCE FORMATS

### JOURNAL ARTICLES

For references of journal articles, include all authors' names (invert only the first author's last name and initials; do not use "et al."), year, complete article titles, volume number, journal name, and inclusive page numbers. Abbreviate the names of journals as in the Serial Sources for the Biosis Data Base (published

annually by BioSciences Information Service of Biological Abstracts, Philadelphia, PA 19103); spell out the names of unlisted journals.

See the examples below:

1. Benditt, E. P., N. Ericksen, and R. H. Hanson. 1979. Amyloid protein SAA is an apoprotein of mouse plasma high density lipoprotein. *Proc. Natl. Acad. Sci. USA*. 76:4092–4096.
2. Brown, W., and A. Nelson. 1989. Phosphorus content of lipids. *J. Lipid Res.* In press.
3. Reference deleted in proof.
4. Yalow, R. S., and S. A. Berson. 1960. Immunoassay of endogenous plasma insulin in man. *J. Clin. Invest.* 39:1157-1175. Articles in Books
5. Innerarity, T. L., D. Y. Hui, and R. W. Mahley. 1982. Hepatic apoprotein E (remnant) receptor. In *Lipoproteins and Coronary Atherosclerosis*. G. Nosedà, C. Fragiaco, R. Fumagalli, and R. Paoletti, editors. Elsevier/North Holland, Amsterdam. 173–181.
6. Myant, N. B. 1981. *The Biology of Cholesterol and Related Steroids*. Heinemann Medical Books, London.

#### COORDINATE FILES

References to any atomic coordinate set for a macromolecule obtained from public repositories must include a citation to the paper or papers in which the structure in question was first presented, as well as its database serial number.

#### ABSTRACTS

##### ***CD version***

Meeting Abstracts should be cited as follows:

Smith, R., S.E. Jones, T.J. Smith, (2006) Histone phosphorylation in DNA damage. 2006 Biophysical Society Meeting Abstracts. *Biophysical Journal*, Supplement, Abstract.

##### ***Print version***

Smith, R., S.E. Jones, T.J. Smith, (2006) Histone phosphorylation in DNA damage. 2006 Biophysical Society Meeting Abstracts. *Biophysical Journal*, Supplement, 20a, Abstract, 814-Pos.

#### COMPLETE BOOKS

1. Myant, N. B. 1981. *The Biology of Cholesterol and Related Steroids*. Heinemann Medical Books, London.

#### ARTICLES IN BOOKS

1. Innerarity, T. L., D. Y. Hui, and R. W. Mahley. 1982. Hepatic apoprotein E (remnant) receptor. In *Lipoproteins and Coronary Atherosclerosis*. G. Nosedà, C. Fragiaco, R. Fumagalli, and R. Paoletti, editors. Elsevier/North Holland, Amsterdam. 173-181.

#### COMMERCIAL SOFTWARE

All commercial software and products should provide the name and location of the manufacturer.

1. MATLAB (The MathWorks, Natick, MA).

#### WEBSITES

Web references should be treated no differently than other references, and should appear as shown below.

1. Society, Biophysical. *Biophysical Society*. June-July 2010. Web. 08 July 2010. <http://www.biophysics.org>.

## TABLES

All tables should be double-spaced and carry a title. Do not use vertical rules. Tables must be in black and white.

## BIOPHYSICAL LETTERS

The Biophysical Letters section of the Journal is for the publication of unusually important and unusually timely short articles in diverse areas of biophysics. The criteria for acceptance of a letter are more stringent than for regular articles. Biophysical Letters are not meant to serve as a means of publishing preliminary results or material that lacks enough significance to be acceptable as a regular article.

All Letters must be submitted using the template provided by the Journal. **The format for Biophysical Letters is two columns and a maximum of three pages, including references.** You may download the template for letters here: [http://biophysj.msubmit.net/html/biophysj\\_manuscript\\_templates.html](http://biophysj.msubmit.net/html/biophysj_manuscript_templates.html)

Letters that have been rejected may only be resubmitted if the handling editor has made the suggestion for resubmission in the decision letter to the author(s).

## BIOPHYSICAL REVIEWS

Biophysical Reviews are brief (approximately five printed pages in length, exclusive of references, and the number of references should be limited to roughly 60 recent publications), cover topics of current interest in biophysics, and are intended to provide a general overview of recent research. These articles are typically written by authorities in the field being reviewed and are directed to a broad range of scientists who wish to keep abreast of the best current research. All Biophysical Reviews are invited and are solicited by the Editor-in-Chief and Associate Editors, but nominations from outside the Editorial Board are welcomed. These suggestions will then be considered by the Editor-in-Chief and the Associate Editor for Biophysical Reviews, and if accepted, an invitation will be sent to the proposed author to submit a review. There are no page charges associated with an accepted review. Color figures will be e-color only (black and white in print and color online) unless the author specifies otherwise and incurs the cost of print color. Only one set of figures is needed; please do not upload two versions of the same figure.

Please follow the same order and guidelines as for regular articles.

## COMMENTS TO THE EDITOR

These are short commentaries on a paper published earlier in *BJ*. These are NOT short original articles. In order for a submission to qualify as a comment, it must not contain unpublished data and must be entirely free of polemic. Comments to the Editor may be rebutted by the authors of the previously published article. Comments and any rebuttals are subject to review. Please follow the same order and guidelines of regular articles.

## COMPUTATIONAL TOOLS

Beginning July 1, 2014, the Journal will accept Computational Tool manuscripts. These papers will be limited to five pages in length, including references, and describe software for analysis of experimental data, modeling/simulation software, or database services. The tool should be new or should describe a significant new feature in an existing computational resource. The paper should describe how the

computational tool can be applied to a biophysical problem, preferably with an example. Any new algorithms implemented in the software should also be described. All computational tools will have to be freely accessible and open to the research community. The paper should describe what the tool does, but not take the place of a user guide, which, together with any requisite download instructions, should be available on the authors' website. In addition to the usual review criteria of novelty and importance, reviewers will be asked to test-drive the computational tool and judge its usability.

## NEW AND NOTABLES

These commentaries, which highlight research papers appearing in the same issue of *BJ*, are solicited by the handling editor. They are expected within 10 days of solicitation to facilitate rapid peer review and publication.

### **For authors of New & Notables:**

A New and Notable (N&N) is a commentary/microreview and gives the writer some leeway to say whatever he/she thinks is relevant as opposed to an inclusive overview. A N&N can mention some of the limitations of the relevant paper and thus where questions and controversies still lie and where future research can provide the next steps forward. Therefore, it should have no more than 10 references to earlier work (preferably from *BJ*) and should also have an explicit citation of the paper. It could be as short as half a page and up to two pages, but it should convey excitement to a non-specialist reader regarding the advance made by the research paper. A single illustrative figure would also be welcome. There are no page charges associated with New and Notables. Color figures will be e-color only (black and white in print and color online) unless the author specifies otherwise and incurs the cost of print color. Only one set of figures is needed; please do not upload two versions of the same figure.

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At the submission stage, you will be asked to provide your figures inline with the manuscript text. This is so that the editors and reviewers can more easily read through the paper and match the figures with their associated data.

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## ACCEPTANCE-STAGE FILE FORMATS

**If your paper is accepted, you will be required to supply your manuscript files in the following formats:**

### MANUSCRIPT TEXT

The final version of the manuscript text must be submitted as a single-spaced, single-column Word document or LaTeX file. LaTeX users should submit the .bbl file and a final PDF version of the manuscript as well. The PDF version MUST include the reference section to ensure accuracy of the .bbl file.

**Note:** LaTeX manuscripts must be converted to .doc format by our composition team. As a result, approximately 1 week will be added to the production timeline for LaTeX papers. (See [Equations](#) in the "Regular Articles" section above for more information.)

## FIGURES

Each figure must be uploaded as an individual file. The file name of each figure should include the number of the figure (e.g., "Figure 1.tif"). Please note that figures that include several parts (i.e. panels A, B, C, D) should be uploaded as one single-page file. Color figures will be e-color only (black and white in print and color online) unless the author specifies otherwise and incurs the cost of print color. Only one set of figures is needed; please do not upload two versions of the same figure.

## GUIDELINES

A comprehensive set of figure guidelines is available in the [Digital Art Guide](#). Please refer to these guidelines when creating your figures.

## FIGURE SIZE

Figures should be designed to fit the full width of one column (3.25 inches) or two columns (6.75 inches). Note that if your figure is double column width, you must count it as two figures in the page estimating tool.

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Occasionally articles will be highlighted on the BJ website using sliders. If you are asked to submit a slider with your final article file, please refer to the [Slider Image Guidelines](#).

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