

Guidelines for Table of Contents Graphics: New Requirement for All Manuscript Types

Starting with the July 6, 2004, issue, *Biochemistry* will feature a Table of Contents (TOC) that contains a graphic presentation for each entry, in addition to the title and author list. The TOC image will appear in both the print edition and Web edition of *Biochemistry*. The illustration should capture the reader's attention and, in conjunction with the manuscript title, should give the reader a quick visual impression of the essence of the paper without providing specific results. The graphic should be in the form of a structure, graph, drawing, electrophoresis gel, or reaction scheme. Authors must submit a graphic in the actual size to be used for the TOC that will fit in an area 1.375 in. high and 3.5 in. wide (3.5 cm \times 8.9 cm). Larger images will be reduced to fit within those dimensions. Type size of labels, formulas, or numbers within the graphic must be legible. Tables or spectra are not acceptable. Color is encouraged. Authors must provide the TOC graphic upon submission of the paper as the last page of the manuscript. Authors should label this page "For Table of Contents Use Only" and include the manuscript title and authors.

BIOCHEMISTRY

Revised April 2004

Instructions to Authors

OBJECTIVES OF THE JOURNAL

The purpose of *Biochemistry* is to publish the results of original research that contribute significantly to the understanding of the mechanism of biological phenomena in terms of molecular structure and/or function. Preference will be accorded to manuscripts that develop new concepts or experimental approaches, particularly in the advancing areas of biochemical science. Manuscripts that are primarily theoretical in nature or in the field of bioinformatics must be directed toward explaining important results previously not understood, making important predictions that can be experimentally tested, or developing significant advances in theory of general interest to biochemists. Submission of manuscripts in emerging areas in chemical biology, proteomics, model studies and structures, cellular and molecular biology, computational chemistry, and new methods development is also encouraged if they address basic biochemical mechanisms. Publication of preliminary or inconclusive results is discouraged, as is the simultaneous publication of manuscripts of overlapping content. Submission of a manuscript to *Biochemistry* implies that the same work has not been published nor is under consideration for publication elsewhere. This policy also applies to material submitted for publication in an electronic data base system of a public nature, which we consider to constitute prior publication. In addition, no legal restrictions must exist, e.g., those associated with the filing of patents.

In addition to regular research reports, *Biochemistry* publishes three types of special articles: *Accelerated Publications*, *New Concepts*, and *Current Topics*. These are described below in detail.

EDITORIAL ORGANIZATION AND REVIEWING PROCESS

The Editor is appointed by the American Chemical Society and has the final responsibility for all editorial decisions. Associate Editors, together with the Editor, process all manuscripts received. Members of the Editorial Advisory Board are usually appointed for a three-year term and may be reappointed.

When a manuscript is received, the Editors first judge whether its content falls within the scope of *Biochemistry*. *Manuscripts that are primarily descriptive, confirmative of previous work, or of a highly specialized nature, or do not address fundamental biochemical questions, or those that in the judgment of the Editors are not of sufficient interest to the general readers of Biochemistry will be returned to the author without review.* These decisions are reached with the participation of at least two Editors or an Editor and an Editorial Advisory Board member and should be considered final. After this preliminary review, manuscripts are sent to two inde-

pendent reviewers for evaluation. Reviewers are selected for their competence in specialized areas of biochemistry from a computer file of qualified specialists. They are expected to disqualify themselves if they have a conflict of interest, such as association with the author's laboratory or preconceived opinions about the work. *Authors are urged to recommend six qualified reviewers other than members of the Advisory Board;* they may also request that certain (but not more than three) reviewers not be chosen. *Members of the Editorial Advisory Board cannot be disqualified from participating in the final disposition of a manuscript.* The reviewers are advisory to the Editor, and their reports are used to reach the editorial decision. If the reviewers disagree, or if in the judgment of the Editor the manuscript has not received adequate consideration, the manuscript and the reviewers' opinions are submitted to a member of the Editorial Advisory Board for arbitration. Editorial decisions that result from this process are usually final. Reviews will normally be sent to authors by e-mail unless the authors request otherwise.

When a manuscript is returned to the author for revision, the author should reply to the specific recommendations of the reviewers and in an accompanying letter indicate those recommendations that have been incorporated into the revision and the reasons any have been disregarded. Usually only one major revision will be considered. **Handwritten corrections will not be accepted.** The revised manuscript should be returned to the assigned Editorial Office within 60 days. **A revised manuscript received beyond the 60-day period will be considered as a new submission, will receive a new number, and usually will undergo a new review process.**

Notice: Documents accepted for publication in ACS Journals will be posted in the World Wide Web edition of the Journal as soon as they are ready for publication, that is, when galley proofs are corrected and all author concerns are resolved. This can occur anywhere from 2 to 11 weeks in advance of the cover date of the printed issue. Authors should take this into account when planning their intellectual and patent activities related to a document. The actual date on which the document is posted on the Web is recorded in a separate line at the bottom of the first page of the document in the printed issue.

SUBMISSION OF MANUSCRIPTS

Authors should submit manuscripts via the World Wide Web using a single word processing file with embedded graphics. Mailed (hard-copy) submissions are discouraged and will only be considered after the author has obtained prior permission of the Editor. E-mailed submissions will not be processed.

Authors should review Assembly/Preparation of Manuscripts prior to submission of a manuscript. Close attention

to all the required details discussed in Assembly/Preparation of Manuscripts will expedite review and reduce the time to publication.

Copyright. A properly completed ACS Copyright Status Form must be provided for each submitted manuscript. A form with instructions is available at <http://pubs.acs.org> and is printed in the first issue of each volume. The signed form must be faxed promptly to the Editor assigned to the manuscript. Journal Publications will not compose a galley proof until a valid form has been received.

Submission

Manuscripts should be submitted via the Web, using the manuscript submission site on the *Biochemistry* homepage (<http://pubs.acs.org/journals/bichaw/index.html>). Authors must view the PDF versions of their manuscripts prior to formal submission to the Editor. In order to use Web submission, authors must be able to provide electronic versions of text and graphics. Any Supporting Information should also be submitted electronically. Complete instructions, including information on which platforms and word processing packages are supported, are available on the submission site.

All manuscript submissions should include

- a submittal letter with a list of six qualified reviewers
- e-mail, fax, phone, and postal address
- electronic copies of any related papers submitted for publication or in press (if needed for review)

Any materials that cannot be supplied electronically should be addressed to

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An electronic manuscript template is available in several word processing versions at the *Biochemistry* homepage. To facilitate the peer review process, authors are encouraged to employ the template to verify that their manuscript meets the page restrictions for their specific manuscript type. Manuscripts that exceed the mandated page limit will be returned to the author. Manuscript page limitations are as follows: Accelerated Publications, 25 pages; New Concepts, 16 pages; and Current Topics, 30 pages. There are no page limits for a regular article. Please note: If the author chooses not to use the template, the text of the manuscript, including references and tables, should be double-spaced.

The manuscript submission site employs state-of-the-art security mechanisms to ensure privacy for all electronically submitted manuscripts. These same security mechanisms are also utilized throughout the peer review process, permitting access to only those Editors and reviewers who are assigned to a particular manuscript. Authors may also submit revised manuscripts via the manuscript submission site.

ELECTRONIC MANUSCRIPT PREPARATION

The final accepted version of the manuscript must be submitted in electronic form. Manuscripts prepared with the software packages listed below will be used for production, providing the following guidelines are adhered to. Failure to adhere to the following instructions may cause delays in publication.

When preparing a manuscript, use the document mode or its equivalent in the word processing program; i.e., do not save files in "Text Only" (ASCII) mode. If a non-Western version of the word processing software was used to prepare the manuscript, save the file in rich-text format (RTF). Do not include any page layout instructions such as placement information for graphics in the file. The text should be left justified, and automatic end-of-line hyphenation should be turned off. Use carriage returns only to end headings and paragraphs, not to break lines of text. Do not insert spaces before punctuation. References must conform to the format described herein. Ensure that all characters are correctly represented throughout the manuscript: for example, 1 (one) and l (ell), 0 (zero) and O (oh), x (ex) and × (times sign). Check the final version carefully for consistent notation and correct spelling. The Journal Publications office conversion program will faithfully translate any errors to the typeset copy.

All text (including the title page, abstract, all sections of the body of the paper, figure captions, scheme or chart titles and footnotes, and references) and tabular material should be in *one* file. It is best to use the fonts "Times" and "Symbol". Other fonts, particularly those that do not come bundled with the system software, may not translate properly. Ensure that all special characters (e.g., Greek characters, math symbols, etc.) are present in the body of the text as characters and not as graphic representations. Consult the documentation for the specific software package being used on how to detect the presence of graphics in the files, and replace them with the appropriate text characters.

Tables may be created using a word processor's text mode or table format feature. The table format feature is preferred. Ensure each data entry is in its own table cell. If the text mode is used, separate columns with a single tab and use a line feed (return) at the end of each row.

• Currently acceptable word processing packages

Macintosh:

- WordPerfect 3.5
- Microsoft Word, Word 98 and higher

IBM and Compatibles:

- WordPerfect, up to version 9.0
- Microsoft Word, 97 and higher

LaTeX users should follow the guidelines given at <http://pubs.acs.org/instruct/texguide.html>.

ACCELERATED PUBLICATIONS

Manuscripts given the status of Accelerated Publications must deal with experimental results of unusual and timely significance and be of interest to the general reader of Biochemistry. Such manuscripts must contain all elements of a regular manuscript and satisfy the usual criteria governing the publication of papers in *Biochemistry*.

Additional criteria for accelerated status:

- The manuscript must not exceed **25 pages**, double-spaced, inclusive of references, tables, and illustrations (one illustration per page; figures containing ≥ 2 panels should appear on the same page). **Manuscripts exceeding the page limit will be returned to the author without review.**
- The manuscript must be accompanied by a transmittal letter justifying the reasons why the author(s) believes the work should receive accelerated publication status.

- The transmittal letter should include the names of at least six knowledgeable scientists who are qualified to act as impartial reviewers.

Every effort will be made to expedite the review of such manuscripts. Except for minor revisions, such manuscripts will be either accepted or rejected. It is intended that these papers be published within 2 months of acceptance. Galley proofs of papers accepted for accelerated publication must be returned to Journal Publications within 24 hours. Questions regarding the suitability of manuscripts for accelerated publication should be addressed to the Editor *in writing*.

NEW CONCEPTS

New ideas, original models, imaginative correlation of data, and controversy all contribute to the progress of science. In order to provide a venue for new concepts and productive scientific discourse, *Biochemistry* will publish short articles that represent personal views and new ideas about important areas of biochemistry. In areas where controversy exists, opposing views will be published. Both solicited and unsolicited contributions will be considered for New Concepts. Contributions should be a **maximum of 16 pages**, double-spaced, inclusive of abstract, references, tables, and illustrations, and in the usual *Biochemistry* format except that subheadings are not required. **Manuscripts exceeding the page limit will be returned to the author without review.**

CURRENT TOPICS

Current Topics are intended to familiarize the general reader with the current knowledge in a biochemical field or a topic of particular interest. Authorship usually is by invitation, but the Editors welcome suggestions of topics and authors. Topics that have been recently reviewed in other journals will not be considered.

Manuscripts must not exceed 30 pages, double-spaced, including references, tables, and illustrations. They should adhere to the general format of regular papers published in this Journal but do not require the subheadings of experimental papers. Manuscripts will be reviewed for content, accuracy, and clarity. It is intended that accepted manuscripts be published within 2 months of acceptance. They will appear in the front of an issue.

ASSEMBLY/PREPARATION OF MANUSCRIPTS

Manuscripts should be written in clear, concise English. Editors, reviewers, and readers may tend to be biased against results reported in complex or excessively verbose language.

Manuscript Assembly:

- Title Page
- Abbreviations and Textual Footnotes
- Abstract
- Introduction (no heading)
- Experimental Procedures (Materials and Methods)
- Results
- Discussion
- Acknowledgment
- References
- Tables
- Structures, Charts, Schemes
- Figure Legends
- Figures
- Table of Contents Graphic
- Supporting Information (as a separate file)

Illustration Preparation

General Considerations

Remove all color from graphics, except for those graphics that you would like to have considered for publication in color (see Color section below for details). Insert your illustrations into the manuscript following the Web instructions for manuscript preparation. See <http://pubs.acs.org> for additional guidance. The quality of the graphics in the Journal depends on the quality of the graphics provided by the author. Figures cannot be modified or enhanced by the journal production staff.

Illustrations must fit a one- or two-column format on the journal page: **For efficient use of journal space, single-column illustrations are preferred.**

	Single (preferred)	Double
Minimum width		10.50 cm (4.13 in.)
Maximum width	8.25 cm (3.25 in.)	17.78 cm (7 in.)
Maximum height	24.00 cm (9.5 in.)	24.00 cm (9.5 in.)

For the final revision, illustrations should be submitted in the actual size at which they should appear in the Journal. Illustrations which do not need to be reduced to fit a single- or double-column format will yield the best quality. Lettering should be no smaller than 4.5 points. (Helvetica or Arial type works well for lettering.) Lines should be no thinner than 0.5 point. Lettering and lines should be of uniform density.

If you must submit artwork that must be reduced, use larger lettering and thicker lines so that, when reduced, the artwork meets the above-mentioned parameters.

Avoid using complex textures and shading to achieve a three-dimensional effect. To show a pattern, choose a simple cross-hatch design.

Color

Color graphics may be printed in the Journal if approved by the Editor. Color should be used only when essential for understanding the results presented. Do not submit color graphics to be printed in black and white.

Chemical Structures

Structures should be produced with the use of a drawing program such as ChemDraw. Structure drawing preferences (preset in the ACS Stylesheet in ChemDraw) are as follows:

(1) As drawing settings select:

chain angle	120°
bond spacing	18% of width
fixed length	14.4 pt (0.508 cm, 0.2 in.)
bold width	2.0 pt (0.071 cm, 0.0278 in.)
line width	0.6 pt (0.021 cm, 0.0084 in.)
margin width	1.6 pt (0.056 cm, 0.0222 in.)
hash spacing	2.5 pt (0.088 cm, 0.0347 in.)

(2) As text settings select:

font	Arial/Helvetica
size	10 pt

(3) Under the preferences choose:

units	points
tolerances	3 pixels

(4) Under page setup use:

paper	US Letter
scale	100%

Authors using other drawing packages should, insofar as possible, modify their program's parameters so that they reflect the above guidelines.

Title Page (page 1). **A. Title.** Provide a *brief* and informative title to assist in the classification and indexing of the paper. Do not use trade names of drugs or abbreviations. Serial numbers may be used only if consecutive papers appear in the same issue of *Biochemistry*. Avoid uninformative titles such as "Studies on ...". **B. Title Footnote** (†). Give acknowledgments of financial aid, including the granting agency and the grant award identification number. (*Other acknowledgments should appear in a separate section at the end of the Discussion.*) **C. Byline.** List full names and institutional affiliations of all authors. It is implicit in listing a person as an author that he/she has agreed to coauthor the manuscript and is in full agreement with its content. Footnote references to authors, including present addresses, should be consecutively identified by the following symbols: ‡, §, ||, ⊥. The symbol * should be used to indicate the author to whom correspondence should be addressed. **D. Running Title.** Provide a brief and informative running title that is easy to index and does not exceed 60 letters and spaces.

Abbreviations and Textual Footnotes (page 2). List the abbreviations used in the paper in the first footnote. Textual footnotes, numbered consecutively, should be brief and kept to a minimum.

Abstract (page 3). An abstract of not more than 250 words should succinctly present the problem and experimental approach and state major findings and conclusions. It should be self-explanatory and suitable for reproduction by abstractive services without rewriting. Since the abstract will be published in *Chemical Abstracts*, footnotes or undefined abbreviations may not be used. If a reference must be cited, complete publication data must be given [White, R. H. (1982) *Biochemistry* 21, 4271–4275].

Introduction (no heading, page 4). The introduction should state the purpose of the investigation and its relationship to other work in the field. Extensive reviews of the literature should be avoided.

Experimental Procedures (Materials and Methods). The materials should be described in sufficient detail to enable others to repeat the experiments. Names of products and manufacturers should be included only if alternate sources are deemed unsatisfactory. Novel experimental procedures should be described in detail, but published procedures should merely be referred to by literature citation of both the original and any published modifications. In submitting a manuscript to *Biochemistry*, authors agree to make available to interested academic researchers for their own use any materials reported in their manuscript that are not otherwise obtainable. Such requests should respect the purpose for which an author has

prepared the materials being requested in order to avoid conflicts of competition with the originating laboratory.

Hazardous Procedures. Whenever hazardous materials or dangerous procedures are utilized, the necessary precautions should be stated.

Results. The results should be presented concisely. Tables and figures should be used only if they are essential for the comprehension of the data. The same data should not be presented in more than one figure or in both a figure and a table. As a rule, interpretation of the results should be reserved for the Discussion. In the interest of economy of space, Supporting Information (also subject to review) should be submitted as a separate file. The policy of the Journal is to publish only representative data. For example, routine gels and linear plots will not be published. However, if such information is important for evaluating the research, it should be included in the submission for the reviewers or as Supporting Information. The Supporting Information will be included in the World Wide Web edition of the Journal (see Supporting Information).

Protein Sequence Data. These data should be deposited with **Protein Identification Resource, National Biomedical Research Foundation, Georgetown University Medical Center, Washington, DC 20007**. For the documentation of the sequence analysis of proteins, see *Biochemistry* (1983) 22, 2595. Authors of accepted papers containing nucleotide sequences should submit the sequence data, preferably in computer-readable form, plus information for annotation of the data and a copy of the paper to **GenBank Submissions, National Center for Biotechnology Information (NCBI), Building 38A, Room 8N-805, 8600 Rockville Pike, Bethesda, Maryland 20894 [telephone (301) 496-2475; fax (301) 480-9241; e-mail (submissions) gbsub@ncbi.nlm.nih.gov, (information) info@ncbi.nlm.nih.gov]**. Submission to GenBank ensures entry also into the EMBL Nucleotide Sequence Library. *A footnote should appear on the title page indicating that such a deposit has been made.*

Manuscripts dealing primarily with the isolation, sequencing, and expression of DNA segments usually are not appropriate for *Biochemistry* unless significant new information is obtained about the structure and/or function of the proteins. Also, manuscripts primarily dealing with protein sequence comparisons and evolutionary considerations are appropriate only if they explain important results not previously understood or make important predictions that can be experimentally tested.

Structural Data. Manuscripts dealing with structural NMR data of proteins and nucleic acids reporting primarily the resonance assignments of nuclei and the secondary structure elements are not generally appropriate for *Biochemistry* unless significant new information about biological function is presented. Reports of the three-dimensional structure of a protein or nucleic acid fragments, with the global folding pattern resolved, are desired in papers that utilize NMR methods for structural studies. Tables containing resonance assignments should be placed in the Supporting Information. Atomic coordinates and structure factors for structures of proteins determined by X-ray and atomic coordinates and NMR constraints for all macromolecules determined by NMR

should be deposited with the **Protein Data Bank (PDB; <http://www.rcsb.org/pdb/>; info@rcsb.org) at the Research Collaboratory for Structural Bioinformatics (RCSB; <http://pdb.rutgers.edu/>) or at the European Bioinformatics Institute [EBI; <http://autodep.ebi.ac.uk/>; telephone (732) 445-0103]. It is the responsibility of the author to obtain a File Name for the macromolecule; *the File Name must appear in a footnote on the title page*. A manuscript will be accepted only after receipt from the submitting author of a written statement that the coordinates have been deposited. Coordinates must be released immediately upon publication. Please address all inquiries about deposition to the Protein Data Bank.**

Crystal structures of nucleic acids should be deposited with the **Nucleic Acid Database (NDB; <http://ndbserver.rutgers.edu/>; ndbadmin@ndbserver.rutgers.edu) at <http://ndbserver.rutgers.edu/NDB/deposition/> or with the RCSB PDB at <http://pdb.rutgers.edu/adit/>. A preprint of the related manuscript should be mailed or faxed to **The Nucleic Acid Database, Department of Chemistry, Rutgers, The State University of New Jersey, 610 Taylor Road, Piscataway, New Jersey 08854-8087 [fax (732) 445-4320]**.**

Manuscripts dealing with the development of structures from sequence homology are generally not considered unless significant experimental tests of the model also are presented.

Other Databases. Authors may wish to submit binding constants and associated information to the public database BindingDB (www.bindingdb.org).

Discussion. The purpose of the discussion is to interpret the results and to relate them to existing knowledge in the field. In general, observe the utmost brevity consistent with clarity and avoid personal polemics. Information given elsewhere in the manuscript should not be repeated in the Discussion. Exhaustive reviews of the literature should be avoided.

Acknowledgment. Acknowledgments in this section should include technical assistance, advice from colleagues, gifts, etc. Prior permission must be obtained from persons whose contribution to the work is acknowledged in the manuscript. (Financial support should be acknowledged in the footnote to the title on the title page.)

Appendix. An appendix contains necessary background information not included in the text. Its use is optional.

References. References should clearly identify the original contributor to the work being cited. The accuracy of the references is the responsibility of the author. Because subscribers to the Web edition of the Journal are now able to click on the "CAS" tag following each reference to retrieve the corresponding CAS abstract, reference accuracy is critical. **Textual references should be cited by number (in italics) in order of appearance and put in the text in parentheses. Citations in the reference list at the end of the manuscript should be arranged and numbered (1., 2., etc.) in order of appearance.** Please follow the punctuation pattern given in these examples: Wegner, A. (1979) Equilibrium study of the actin-tropomyosin interaction, *J. Mol. Biol.* 131, 839–853. Kossiakoff, A. A., and Spencer, S. A. (1981) Direct determination of the protonation states of aspartic acid-102 and histidine-57 in the tetrahedral intermediate of the serine proteases: neutron structure of trypsin, *Biochemistry* 20,

6462–6474. Johnson, G. L., Mac Andrew, V. I., and Pilch, P. F. (1981) Identification of the glucagon receptor in rat liver membranes by photoaffinity cross-linking, *Proc. Natl. Acad. Sci. U.S.A.* 78, 875–878. All references must include the complete title and inclusive pagination. Titles of journals are abbreviated according to *Chemical Abstracts Service Source Index*. Serial publications such as *Advances in Protein Chemistry*, *Methods in Enzymology*, and *The Proteins* should be listed in the same form as journals. References to chapters and monographs are listed as follows: Fierke, C. A., and Hammes, G. G. (1996) Transient Kinetic Approaches to Enzyme Mechanisms, in *Contemporary Enzyme Kinetics and Mechanism* (Purich, D., Ed.) 2nd ed., pp 1–35, Academic Press, New York. Cite papers that have been accepted for publication as in press. Papers that are in preparation or have been submitted but not yet accepted should be cited in the text as unpublished experiments or personal communications. The author must obtain written permission to cite unpublished work of others or to use material taken directly from a copyrighted publication.

Tables. Use tables only when the data cannot be presented clearly otherwise. Tables should be numbered consecutively with Arabic numerals. Provide a brief title for each table and a brief heading for each column. Clearly indicate the units of measure (preferably SI). Data should be rounded to the nearest significant figure. Give standard deviations if appropriate. Explanatory material referring to the whole table is to be included as a footnote to the title (^o). Table footnotes are always identified by superscript letters, lowercase and italicized. All tables and figures should be cited in the text.

Structures, Charts, and Schemes. High-resolution electronic versions with all components intact should be submitted within the manuscript file. Each chart and scheme should be on a separate page.

Figure Legends. The legend should include the figure number and a brief description, preferably one or two sentences or descriptive phrases. It should be understandable without reference to the text and should not include new material that is not in the text. Explain all symbols and abbreviations used in the illustrations. Simple symbols such as ○, ■, and △ should be used. The use of error bars on the data points is recommended.

Figures. Figures should be kept to a minimum and should be used only to document experimental results or methods that cannot be adequately described in the text. The same data should not be presented in more than one figure or in a figure and table(s). Simple linear plots (e.g., double-reciprocal kinetic plots or calibration curves for the determination of molecular weights) that can be easily described in the text should be avoided. Diagrams of amino acid sequences should be prepared for efficient utilization of space. When three-letter abbreviations are used, for reduction to single-column width, each line should contain symbols for 15 amino acids, each symbol separated from the next by a hyphen (or comma when applicable). For double-column presentation, each line should contain three-letter symbols for 30 amino acid residues. For the presentation of extended protein sequences, one-letter abbreviations of amino acid residues should be used.

Stereo diagrams should be submitted so that they can be reproduced in full size, with the interocular distance between

similar points on the original being between 5.5 and 6.5 cm. Defocused representations are preferred, and the representation used should be stated in the legend. Symbols, letters, and numbers should be large enough to be readable after reduction of the graphs to single-column width. Please indicate if an illustration requires special treatment in order to show essential details that would not be reproduced well on regular stock.

Color illustrations should only be submitted if essential for clarity of communication. Authors should explain and justify the need for color when submitting their manuscript. If the Editor approves the request for use of color, the cost of color reproduction will be absorbed by the Journal. Authors will be informed if the Editor considers the use of such Journal funds unjustified.

Table of Contents Graphic. This illustration should capture the reader's attention and, in conjunction with the manuscript title, should give the reader a quick visual impression of the essence of the paper without providing specific results. The graphic should be in the form of a structure, graph, drawing, electrophoresis gel, or reaction scheme. Authors must submit a graphic in the actual size to be used for the table of contents (TOC) that will fit in an area 1.375 in. high and 3.5 in. wide (3.5 cm × 8.9 cm). Larger images will be reduced to fit within those dimensions. Type size of labels, formulas, or numbers within the graphic must be legible. Tables or spectra are not acceptable. Color is encouraged. Authors must provide the TOC graphic upon submission of the paper as the last page of the manuscript. Authors should label this page "For Table of Contents Use Only" and include the manuscript title and authors.

Supporting Information. An electronic version is required. The nature of the material should be indicated in a paragraph in the text, to follow the Acknowledgment, as follows: "Supporting Information Available" followed by a brief description of the material and the statement "This material is available free of charge via the Internet at <http://pubs.acs.org>". Figures and tables in the supplement should be numbered consecutively but independently of those in the body of the manuscript. Animated videos can be submitted

for the on-line version of *Biochemistry*. Any Supporting Information should be submitted as a separate file via the Web submission site. Graphics that are to be part of a published manuscript should *not* be submitted as separate files.

ACCEPTED PAPERS

Proofs. Correction of galley proofs is the responsibility of the submitting author. Authors are offered the option of receiving galley proofs in hardcopy or via a secure Web site. *Corrections other than printer's errors should be avoided because they may cause a delay in publication.* Substantive changes will require editorial approval. Corrections exceeding one sentence and insertions should be typed on a separate sheet of paper, and their intended location should be noted on the galley proof. It is the responsibility of the submitting author to ascertain that all coauthors agree with the corrections before the proofs are returned. *Galley proofs should be returned within 48 hours of receipt; otherwise, the publication of the manuscript may be delayed.* Articles will be posted on the World Wide Web within a few days after receipt of galley proofs.

Reprints. Reprints must be ordered when the galley proof is received. A reprint order form, showing the cost of reprints, is included with the galley proof. A surcharge of \$100 per 100 reprints will be added to the cost of reprints containing color illustrations. Please return the reprint order form, with purchase order or check, using the enclosed envelope addressed to Cadmus Reprints. Reprints will be shipped within 2 weeks of the printed journal date. Corresponding authors will receive 50 free electronic reprints via an Electronic Reprint URL.

These instructions and the copyright status form are printed in the first issue of each volume. Please conform to these instructions when submitting manuscripts. As additional features become available, these instructions will be updated on the ACS files server. Publication information can be found at <http://pubs.acs.org> (select journals & magazines, then a title, and finally information for authors).