

## *Science Signaling* **Instructions for Authors of Reviews**

Reviews should provide new insights as well as summarize the information currently available. The best reviews reflect the unique viewpoint of the author and show how new findings alter current thinking about major issues in a particular field. One of the advantages of publishing on the web is that we do not have to impose strict page limits. That said, we do want the paper to be well-focused and as concise as possible. Indeed, the main goal of *Science Signaling* is to provide users with efficient access to information. Reviews will be evaluated by peer review for scholarship, accuracy, clarity, and effectiveness of presentation.

In terms of organization of the review, the main text may be organized into sections. The main section headings should be indicated in bold and should briefly indicate the main ideas. You may also use one more layer of subheadings, which should be indicated in italics. We would also like to accompany the review with a very short “Gloss” – essentially a textbook level, one-paragraph summary of the topic covered in the review. The Gloss is intended to provide an overview for students or scientists unfamiliar with the topic for which the full article might be too comprehensive and to allow indexing of the review in a biological science portal ([www.biosciencednet.org](http://www.biosciencednet.org)). The review should also have an abstract that is more focused and intended for scientists in the field, which will be indexed in PubMed. The text file of the article should include the Abstract, the Gloss, the full text, the figure legends, table legends, and references. Figures and tables may be submitted as separate files. The text, figures, and tables should be submitted through the electronic submission site.

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There are just a few points that will make writing for *Science Signaling* different from that for a print-only journal: The most important is that you are encouraged to keep the article up to date with periodic revisions. We expect that this feature will make reviews at *Science Signaling* particularly timely and exciting and may make them the definitive source for information on a particular topic. Updates can be additions or changes to multiple sections, substantial modification of a single section, or addition of one or more new sections. The updated review will be published as a new article with its own citation and will be accompanied by an “Update” document that briefly describes how it is different from the previous version. The Update will be useful to readers familiar with the original review and help them quickly locate and assimilate the new information. Each version of the review will be linked to previous versions on the *Science Signaling* site. We expect that, in a very active field, an author may wish to use this feature annually or semi-annually to maintain the review.

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**References and notes** are numbered in the order in which they are cited, first through the text, then through the table and figure legends. List a reference only one time. Any references to in-press manuscripts or personal communications should be given a number in the text and placed, in correct sequence, in the references and notes. Such references should not, however, be used to support claims or conclusions. We do not allow references to unpublished data in support of claims or conclusions; necessary data should be included in the manuscript, its Supporting Online Material, or an approved archival database. The abbreviations for journal names are taken from the *Bibliographic Guide for Editors and Authors (BGEA)* or *Serial*

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### Journals

1. E. J. Neer, T. Kozasa, Sites for  $G\alpha$  binding on the G protein  $\beta$  subunit overlap with sites for regulation of phospholipase  $C\beta$  and adenylyl cyclase. *J. Biol. Chem.* **273**, 16265-16272 (1998).
2. D. J. Mangelsdorf, C. Thummel, M. Beato, P. Herrlich, G. Schütz, K. Umesono, B. Blumberg, P. Kastner, M. Mark, P. Chambon, R. M. Evans, The nuclear receptor superfamily: The second decade. *Cell* **83**, 835-839 (1995).
3. J. J. Tesmer, R. K. Sunahara, A. G. Gilman, S. R. Sprang, Crystal structure of the catalytic domains of adenylyl cyclase in a complex with  $G_s$ -GTP- $\gamma$ -S. *Science* **278**, 1907-1916 (1997).
4. J. D. Brown, M. R. DiChiara, K. R. Anderson, M. A. Gimbrone, Jr., J. N. Topper, MEKK-1, a component of the stress (stress-activated protein kinase/c-Jun N-terminal kinase) pathway, can selectively activate Smad2-mediated transcriptional activation in endothelial cells. *J. Biol. Chem.* **274**, 8797-8805 (1999).
5. J. Burton, C. K. Goldman, P. Rao, M. Moos, T. A. Waldmann, Association of intercellular adhesion molecule 1 with the multichain high-affinity interleukin 2 receptor. *Proc. Natl. Acad. Sci. U.S.A.* **87**, 7329-7333 (1990).
6. A. Miyawaki, R. Tsien, Monitoring protein conformations and interactions by fluorescence resonance energy transfer between mutants of green fluorescent protein. *Methods Enzymol.*, in press.
7. F. Watson, R. S. Kiernan, D. G. Deavall, A. Varro, R. Dimaline, Transcriptional activation of the rat vesicular monoamine transporter 2 promoter in gastric epithelial cells: Regulation by gastrin. *J. Biol. Chem.* Papers in Press, published 2000 as 10.1074/jbc.M006697200.
8. K. L. Clark, P. B. Larsen, X. Wang, C. Chang, Association of the *Arabidopsis* CTR1 Raf-like kinase with the ETR1 and ERS ethylene receptors. *Proc. Natl. Acad. Sci. U.S.A.* **95**, 5401-5406 (1998) [published erratum appears in *Proc. Natl. Acad. Sci. U.S.A.* **95**, 9060 (1998)]. [style for published erratum]

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9. L. C. Cantley, PI3K pathway. *Sci. Signal.* (Connections Map in the Database of Cell Signaling, as seen February 2001), [http://www.stke.org/cgi/cm/CMP\\_6557](http://www.stke.org/cgi/cm/CMP_6557). [style for citing a pathway in the Database of Cell Signaling at *Science Signaling*]
10. H. R. de Jonge, B. Hogema, B. C. Tilly, Protein N-myristoylation: Critical role in apoptosis and salt tolerance. *Sci. STKE* **2000**, pe1 (2000). [style for citing a *Science's STKE* paper; note: volume and year are the same]
11. E. Canalis, Notch signaling in osteoblasts. *Sci. Signal.* **1**, pe17 (2008). [style for citing a *Science Signaling* article published following title change in January 2008]

– When published in *Science Express* but not yet in print:

1. W. Jones, B. Smith, Location and function of DNA binding proteins. *Science* 20 December 2000 (10.4444/science.1054678).

– When published in *Science Express* and in print:

1. W. Jones, B. Smith, Location and function of DNA binding proteins. *Science* **252**, 1056 (2001); published online 20 December 2000 (10.4444/science.1054678).

### Technical reports

1. D. E. Shaw, *Technical Report CUCS-29-82* (Columbia University, New York, 1982).
2. F. Press, *A Report on the Computational Needs for Physics* (National Science Foundation, Washington, DC, 1981). [unpublished or access by title]
3. *Assessment of the Carcinogenicity and Mutagenicity of Chemicals* (WHO Technical Report Series No. 556, World Health Organization, Geneva, Switzerland, 1974).

### Proceedings

1. *Title of Symposium Published as a Book*, sponsoring organization, city and state of meeting, inclusive dates and year (publisher, publisher's city and state, year).

*Paper presented at a meeting (not published)*

1. M. Konishi, paper presented at the 14th Annual Meeting of the Society for Neuroscience, Anaheim, CA, 10 to 14 October 1984. [sponsoring organization should be mentioned if it is not part of the meeting name]

*Theses and unpublished material*

1. B. Smith, thesis, Georgetown University, Washington, DC (1973).
2. J. A. Norton, unpublished material.

*Books*

1. A. M. Lister, *Fundamentals of Operating Systems* (Springer-Verlag, New York, ed. 3, 1984). [third edition]
2. J. B. Carroll, Ed., *Language, Thought and Reality, Selected Writings of Benjamin Lee Whorf* (MIT Press, Cambridge, MA, 1956).
3. R. Davis, J. King, in *Machine Intelligence*, E. Acock and R. Michie, Eds. (Wiley, New York, 1976), vol. 8, chap. 3.
4. D. Curtis, in *Clinical Neurology of Development*, B. Walters, Ed. (Oxford Univ. Press, New York, 1983), pp. 60-73.
5. *Principles and Procedures for Evaluating the Toxicity of Household Substances* (National Academy of Sciences, Washington, DC, 1977). [organization as author and publisher]

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