

In Vitro Cellular & Developmental Biology – Animal (In Vitro Animal) is a journal of the Society for In Vitro Biology (SIVB). Original manuscripts reporting results of research in cellular, molecular, and developmental biology that employ or are relevant to organs, tissue, tumors, and cells in vitro will be considered for publication. The scope of the journal is embodied in the following matrix:

- Biotechnology
- Cell and Tissue Models
- Cell Growth/Differentiation/Apoptosis
- Cellular Pathology/Virology
- Cytokines/Growth Factors/Adhesion Factors
- Signal Transduction
- Toxicology/Chemical Carcinogenesis
- Product Applications

MANUSCRIPT SUBMISSION REQUIREMENTS

When submitting a manuscript for consideration, authors should select the matrix heading, which best covers the scope of their manuscript.

The journal publishes three types of manuscripts: *Reports*, *Articles*, *Letters to the Editor*, and *Invited Reviews*. *Reports* (formerly *Scientific Letters to the Editor*) are usually limited to three printed pages and no more than three illustrations that contain especially timely results that are of special interest to readers before development into a complete study. The *Report* format is particularly suited for characterizations of new cell lines, tools, techniques, and methods that do not justify a full *Article*. *Reports* receive expedited peer review and are subject to additional editorial review prior to final publication to comply with the *Report* format. *Articles* are not restricted in length. *Letters to the Editor* (formerly nonscientific Letters to the Editor) concerning a wide range of issues of interest to readers, including controversial opinions, quality control of cell cultures, etc., are welcomed and are subject to editorial or peer review. Unsolicited Reviews on relevant topics will be considered; however, it is recommended that authors contact the Editor prior to preparation. Both unsolicited and Invited Reviews are subject to rigorous editorial review, often in consultation with multiple experts in the field.

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Manuscripts are to be submitted in their final form. Papers must be written in English, and authors are urged to aim for clarity, brevity, and accuracy of information and language. Authors whose first language is not English should have their papers checked for linguistic accuracy by a native English speaker.

Submitted manuscripts should conform to the following format and sequence. The *Report* format is similar to that for *Articles* and *Reviews* described below, except that the body of the text is not divided into sections

INFORMATION FOR AUTHORS

or subheadings. Methods are integrated into the text or legend to figures and Results and Discussion are combined.

Type double-spaced, and order the elements comprising the manuscript as follows:

- Title Page
- Summary
- Key Words
- Introduction
- Materials and Methods
- Results
- Discussion
- Conclusions
- Appendix
- Acknowledgements
- References
- Tables
- Figure Legends
- Figures

TITLE PAGE: The title page should include

- the title of the article
- author(s)' name(s) and affiliation(s) (the department and institution from which the work originated)
- complete mailing address of the one author who will review the proofs
- and suggested running head (not to exceed 40 characters, including spaces)

Note that the affiliation should be a footnote to the author's name.

ABSTRACT: An abstract is to be provided, preferably no longer than 250 words. Do not use abbreviations, footnotes, or references in the abstract.

KEY WORDS: A list of 4–5 key words is to be provided directly below the abstract. Key words should express the precise content of the manuscript, as they are used for indexing purposes.

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REFERENCES

Literature citations in the text should indicate the author's surname with the year of publication in parentheses, e.g. Carlin (1992); Brooks and Carlin (1992). If there are more than two authors, only the first should be named, followed by "et al."

References at the end of the paper should be listed in alphabetical order by the first author's name. If there is more than one work by the same author or team of authors in the same year, a, b, etc. is added to the year both in the text and in the list of references.

JOURNAL PAPERS:

name(s) and initial(s) of all authors; year; full title; journal title abbreviated in accordance with international practice; volume number; first and last page numbers

Example: Nakashima K, Yamada L, Satou Y, Azuma J, Satoh N (2004) The evolutionary origin of animal cellulose synthase. *Dev Genes Evol* 214: 81-88

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name(s) and initial(s) of all authors; year; title of article; editor(s); title of book; edition; volume number; publisher; place of publication; page numbers

Example: Sanger JW (1977) Nontubulin molecules in the spindle. In: Little M, Paweletz N, Petzelt C, Ponstingl H, Schroeter D, Zimmermann H-P (eds) *Mitosis facts and questions*. Springer, Berlin Heidelberg New York, pp 98-113

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Example: Hall BK (1999) *The Neural Crest in Development and Evolution*. Springer, Berlin Heidelberg New York

AGENCY PUBLICATION:

Council of biology editors style manual. CBE style manual committee. 5th ed. Bethesda, MD: Council of Biology Editors; 1983

WEB PAGES:

1. Article by DOI (with page numbers): Slifka MK, Whitton JL (2000) Clinical implications of dysregulated cytokine production. *J Mol Med* 78:74-80. doi: 10.1007/s001090000086

2. Article by DOI (before issue publication with page numbers): Slifka MK, Whitton JL (2000) Clinical implications of dysregulated cytokine production. *J Mol Med* (in press). doi: 10.1007/s001090000086

3. Article in electronic journal by DOI (no paginated version): Slifka MK, Whitton JL (2000) Clinical implications of dysregulated cytokine production. *Dig J Mol Med*. doi: 10.1007/s801090000086

4. Online document: Doe J (1999) Title of subordinate document. In: *The dictionary of substances and their effects*. Royal Society of Chemistry. Available via DIALOG. <http://www.rsc.org/dose/titleofsubordinatedocument>. Cited 15 Jan 1999

5. Online database: Healthwise Knowledgebase (1998) US Pharmacopeia, Rockville. <http://www.healthwise.org>. Cited 21 Sept 1998

6. Supplementary material/private homepage: Doe J (2000) Title of supplementary material. <http://www.privatehomepage.com>. Cited 22 Feb 2000

7. University site: Doe J (1999) Title of preprint. <http://www.uni-heidelberg.de/mydata.html>. Cited 25 Dec 1999

8. FTP site Doe J (1999) Trivial HTTP, RFC2169. <ftp://ftp.isi.edu/in-notes/rfc2169.txt>. Cited 12 Nov 1999

9. Organization site: ISSN International Centre (1999) Global ISSN database. <http://www.issn.org>. Cited 20 Feb 2000
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REFERENCES: CELL LINE AND REAGENT DATA

The source of cells utilized, species, sex, strain, race, age of donor, and whether primary or established should be clearly indicated. The name, city, and state or country of the source of reagents should be stated within parentheses when first cited. Specific tests used for verification of cell lines and novel reagents should be identified. Specific tests for the presence of mycoplasma contamination of cell lines are recommended. If these tests were not performed, this fact should be clearly stated. Other data relating to unique biological, biochemical, and/or immunological markers should also be included if available. Publication of results in *In Vitro Animal* is based on the principle that results must be verifiable. Authors are expected to make unique reagents available to qualified investigators. Authors deriving or

using cell lines are encouraged to follow the UKCCCR Guidelines for the Use of Cell Lines in Cancer Research in respect to validation of identity and infection-free cultures.

NOMENCLATURE

The recommendations of the Society for In Vitro Biology Committee on Terminology should be followed. Schaeffer, W. I. Terminology associated with cell, tissue and organ culture, molecular biology and molecular genetics. *In Vitro Cell. Dev. Biol.* 26:97-101; 1990.

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TABLES: Each table should be numbered consecutively with Arabic numerals. Footnotes to tables should be indicated by lower-case superscript letters. If you use data from another published or unpublished source, obtain permission and acknowledge fully.

LEGENDS: Legends must be brief, self-sufficient explanations of the figures and tables in no more than four or five lines. Remarks such as "For explanation, see text" should be avoided. The legends should be typed double-spaced and grouped together on a separate page. When symbols, arrows, numbers or letters are used to identify parts of the illustration, identify and explain each one clearly.

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- Most presentation programs (Excel, PowerPoint, Freelance) produce data that cannot be stored in an EPS format. Therefore graphics produced by these programs cannot be used to print.

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SCANS

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- MULTIMEDIA FILE FOR REVIEW: MPEG-1 or Quicktime MOV file with the largest frame size (usually 320 x 240 pixels) that will fit on a CD and will be playable on a Windows-based computer
- MULTIMEDIA FILE FOR FINAL SUBMISSION IF ACCEPTED FOR PUBLICATION: "generic" Microsoft AVI file, full screen video 640 x 480 or 720 x 480 pixels (using Cinepak or similar CODEC), Microsoft DV AVI 720 x 480 pixels (NTSC format), or Quicktime MOV file full-screen video 640 x 480 or 720 x 480 pixels written to a CD (short submission) or data format DVD (-/+R or RW) (long submission)

Print article with video supplementary material

- Normal submission requirements and generic Microsoft AVI file, full screen video 640 x 480 or 720 x 480 pixels, Microsoft DV AVI file, full screen video (720 x 480 pixels) or Quicktime MOV file full screen video 640 x 480 or 720 x 480 pixels written to a CD. Up to 3 (one minute maximum each) videos per manuscript submission will be accepted.

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