



## Current Genetics - Instructions for authors

### Categories of articles

Current Genetics publishes *review articles*, *research articles* and *technical notes*. Manuscripts for *review articles* are usually solicited, but suggestions from authors are encouraged. All submitted manuscripts undergo a rigorous, fair and rapid peer-review.

### Manuscript submission

Please submit your manuscripts at <https://mc.manuscriptcentral.com/currentgenetics>.

1. Prepare your manuscript according to the detailed instructions below.
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3. Go to the "Author Center" and follow the instructions on screen that will guide you through a series of steps to enter all required information.
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No hard copy of the manuscript is required.
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6. The Editorial Office will confirm your successful submission by E-mail and contact you as soon as a decision on your manuscript has been taken.
7. When you submit your revised manuscript, please upload ALL source files (even if some of them were not altered). If your manuscript is then accepted, those files will be used directly for production.

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Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract, or as part of a published lecture, or thesis); that it is not under consideration for publication anywhere else; that its publication has been approved by all co-authors, if any, as well as by the responsible authorities - tacitly or explicitly - at the institute where the work has been carried out. The publisher will not be held legally responsible should there be any claims for compensation.

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## Manuscript preparation

### *Title page*

- A concise and informative title (subtitles are not considered)
- Spelled-out first name, initials, last name of all authors
- The affiliation(s) and complete address(es) of the author(s)
- The E-mail address, telephone and fax numbers of the correspondence author
- Website of the research group(s) where most of the work has been done (if available)

### *Abstract*

Each paper must be preceded by an abstract, which will appear in databases such as PubMed. Make absolutely sure that your abstract attracts readers, i.e. that it describes the importance and impact of the field and your work, the most important results and the most important conclusions. The abstract should not be longer than 200 words.

### *Key words*

4 to 6 key words of sufficient specificity should be supplied after the Abstract for indexing purposes. Please choose keywords such that people will be able to find your article when querying databases and do not only repeat terms from the manuscript title.

### *Introduction*

The introduction should guide the reader and hence contain the following

- A short introduction to the field of research
- The scope and incentives of the work
- The background, i.e. previous work by your and other research groups strictly on the subject
- A conclusion summarizing the novelty and the significance of this paper

Make sure that the introduction focuses on the background that is relevant for the data presented and the conclusions drawn.

### *Materials and methods*

This section should provide sufficient information to precisely evaluate how the data have been obtained, including the number of repetitions, and should permit a different research group to repeat the experimental work.

### *Results*

Data should be presented as precisely and concisely as possible, if appropriate in the form of tables or figures.

Make sure not to repeat in the text values given in figures or tables.

The data presentation should follow a logical flow starting with a short description of the incentive of the experiment, followed by a description of the results. Do not repeat information on the experimental details; those belong to Materials and Methods. Describe and discuss the data, but interpretations and conclusions should be given in the Discussion. Avoid combining Results and Discussion: separate Results and Discussion sections make for easier reading and a better structure of your article.

### *Discussion*

The discussion should cover the following aspects:

- An interpretation of the results and their significance with reference to previous work.
- A description how the data advance the state-of-the-art
- The importance of the findings for the research field
- Any models realistically emerging from the data presented

- Implications for future research

Avoid repeating Introduction or Results.

#### *Acknowledgements*

These should be as brief as possible. Any grant that requires acknowledgement should be mentioned. The names of funding organizations should be spelled out.

#### *Layout guidelines*

We recommend to use Microsoft Word; set the language to English UK or English US and make use of the grammar and spell check options. Save documents in MS Word. Mac users: please insert the extension .doc such that PC recognizes your file. Alternatively, save as RTF (Rich Text Format). Mac users: please insert the extension .rtf.

1. Use a normal, plain font (e.g., Times Roman 12p) for text. For textual emphasis use italic types. For special purposes, such as for mathematical vectors, use boldface type.
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5. To generate tables, use the table functions of your word processing program, not spreadsheets.
6. Use the equation editor of your word processing program or MathType for equations.
7. Place any figure legends or tables at the end of the manuscript.
8. Preferably, import all figures into your Word file. If this is not possible, submit separate files for your figures.

#### *References*

The list of references should only include work cited in the text and that has been published or accepted for publication ("in press"). In the text, references should be cited by author and year (e.g. Hammer 1990a; Hammer 1990b; Hammer 1994; Hammer and Sjöqvist 1995; Hammer et al. 1993) and listed in alphabetical order in the reference list. Examples:

##### *Journal articles:*

Kraft T, Hansen M, Nilsson N-O (2000) Linkage disequilibrium and fingerprinting in sugar beet. *Theor Appl Genet* 101:323-326

Journals should be abbreviated in accordance with Bibliographic Guide for Editors and Authors (BGEA). Note: a correct reference contains one single period (following the article title) and kommas only to separate authors.

##### *Books:*

Larcher W (1995) *Physiological plant ecology*, 3rd edn. Springer, Berlin Heidelberg New York, pp 87-109

##### *Multi-author books:*

Hovind HJ (1986) Traumatic birth injuries. In: Raimondi AJ, Choux M, Di Rocco C (eds) *Head injuries in the newborn and infant. (Principles of pediatric neurosurgery)* Springer, Berlin Heidelberg New York, pp 87-109

"Personal communications" or "unpublished data" must not be included in the reference list, but should be mentioned in the text in parentheses. This also applies to papers presented at meetings but not yet published or accepted for publication. A date should be given for both "personal communications" and "unpublished data". "Personal communications" should only be mentioned in the acknowledgements

Users of EndNote software use style for Archives in Microbiology or download the style file from <http://www.current-genetics.se>.

### *Illustrations and Tables*

All figures (photographs, graphs, or diagrams) and tables should be cited in the text, and each numbered consecutively throughout. The placement of figures and tables should be indicated in the left margin. For submission of figures in electronic form see below.

General: Label photos and graphs such that minimal explanation is required in legends. Where possible, avoid numbering of bands or lanes and give a self-explaining description (such as the relevant genotype). Avoid, however, strain designations that only have a meaning for the author.

For graphs, rather include a symbol legend within the figure rather than in the text of the legend. Be consistent with the use of symbols in different graphs.

Figure legends must be brief, self-sufficient explanations of the illustrations. The legends should be placed at the end of the manuscript text.

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Figures should either match the width of the column (86 mm) or the type area width (178 mm). The maximum length is 241 mm. Any inscriptions should be clearly legible when figures are reduced to that size. Where appropriate, scale bars should indicate magnification. Several figures or figure parts should be arranged appropriately on one page.

Tables should have a title and a legend explaining any abbreviation used in that table. Footnotes to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data).

**Color figures will always be published in color in the online version. In print, however, they will only appear in color if the author agrees to make a contribution of Euro 950/US \$ 1,150 (plus VAT) per article. Otherwise the figures will be printed in black and white.**

### *File formats*

The preferred figure formats are EPS for vector graphics exported from a drawing program and TIFF for halftone illustrations. EPS files must always contain a preview in TIFF of the figure. The file name (one file for each figure) should include the figure number. Figure legends should be included in the text and not in the figure file. Contact the production department for questions.

*Scan resolution:* Scanned line drawings should be digitized with a minimum resolution of 800 dpi relative to the final figure size. For digital halftones, 300 dpi is usually sufficient.

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### *Nomenclature Abbreviations*

Those should follow the rules and recommendations of the IUPAC-IUB Commission on Biochemical Nomenclature (CBN) and of the IUB Commission of Editors of Biochemical Journals (CEBJ). Genus or species names, gene symbols, mathematical formulae and any other words to be given special emphasis should be underlined once for italics. Similar signs have to be clearly distinguished, e.g. 1 (one) and l (letter), or 0 (zero) and O (letter).

### **Sequence and nucleotide data**

New nucleotide data must be submitted and deposited in the **DDBJ/EMBL/GenBank** databases and an accession number obtained before the paper can be accepted for publication. Submission to any one of the three collaborating databanks is sufficient to ensure data entry in all. The accession number should be included in the manuscript e.g. as a footnote on the title page: 'Note: Nucleotide sequence data reported are available in the **DDBJ/EMBL/GenBank** databases under the accession numbers(s)----'. If requested the database will withhold release of data until publication. The most convenient method for submitting sequence data is by World Wide Web:

EMBL via Webin: <http://www.ebi.ac.uk/emb/Submission/webin.html>

GenBank via Bankit: <http://www.ncbi.nlm.nih.gov/BankIt/>

DDBJ via Sakura: <http://sakura.ddbj.nig.ac.jp/>

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<http://www3.ebi.ac.uk/Services/Sequin> and from NCBI at <http://www.ncbi.nlm.nih.gov/Sequin/>

For special types of submissions (e.g. genomes, bulk submissions etc) additional submission systems are available from the above sites.

### **Expression data**

MGG requires microarray data to be reported in accordance with the MIAME standards and this to be clearly documented in the Materials and Methods section. Please refer to <http://www.mged.org/>. In addition, expression data should be deposited in a relevant repository such as:

Gene expression omnibus: <http://www.ncbi.nlm.nih.gov/geo/>

EBI Microarray Databases: <http://www.ebi.ac.uk/Databases/microarray.html>

Center for Information Biology gene EXpression database: <http://cibex.nig.ac.jp/>

Submission should be documented in the manuscript.

### **Electronic supplementary material**

Electronic Supplementary Material (ESM) for a paper will be published in the electronic edition of this journal provided the material is:

- submitted in electronic form together with the manuscript
- accepted after peer review

ESM may consist of:

- information that cannot be printed: animations, video clips, sound recordings (use QuickTime, .avi, .mpeg, animated GIFs, or any other common file format)
- information that is more convenient in electronic form: sequences, spectral data, etc.
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Current Genetics Stefan Hohmann  
Department of Cell and Molecular Biology  
Göteborg University  
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For courier:  
Current Genetics Stefan Hohmann  
Department of Cell and Molecular Biology  
Göteborg University  
Medicinaregatan 9E  
S-413 90 Göteborg  
Sweden

Website: <http://www.current-genetics.se>  
E-mail: [editor@current-genetics.se](mailto:editor@current-genetics.se)  
Phone: +46 31 360 8488 and +46 733547297  
Fax: +46 31 786 2599

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