

## Instructions to Authors

### *Aims and scope*

*Brain Research Bulletin* is dedicated to the rapid publication of significant research articles and reviews in all areas of the neurosciences. In addition to reports of original research, the journal will also publish general and speculative reviews, topical debates, methodological developments, theoretical articles, articles on the history of neuroscience, and occasional special issues. The editors are committed to maintaining a high quality of all published reports and to a rapid and fair review process. Manuscripts will be subject to a process of anonymous review (the names of authors and their affiliations will be disclosed to the referees only when the review process is complete). Accelerated publication is the goal for all manuscripts. Articles will be published in English.

### *Types of manuscripts published*

The major part of each issue will be comprised of original research reports. Since the goal is to achieve rapid publication of all reports, there will be no separate section of short or rapid communications. Editorial policy will favour conciseness, but longer or multi-experiment papers are equally acceptable where appropriate for proper communication of the results. The journal will also publish high quality reviews of a variety of types, methodological papers where they contribute a scientific advancement, articles on the history of neuroscience, letters to the editor including scientific correspondence commenting on the methods or interpretation in other published papers, and occasional special issues. Authors are encouraged to contact the relevant section editor to discuss opportunities for submission of articles that do not fall into the standard categories.

### *Online submission of manuscripts*

Manuscripts should be submitted electronically via the *Brain Research Bulletin* journal page on Elsevier's Author Gateway.

Before submitting, it is essential that you refer to the Elsevier Artwork Guidelines: <http://www.elsevier.com/locate/authorartwork>

**Once you are ready to submit, go to:** <http://www.elsevier.com/locate/jnlabr/brb>

1. Select the 'Authors' link in the side bar.
2. Select 'Submit online to this journal' option.
3. Follow prompts online. Please note that at each stage of the submission process it is possible to go back a step, save the submission to continue later or remove/change any information already entered.
4. The submission tool will generate a PDF file to be used for the reviewing process.
5. You will receive confirmation of your submission, and further progress of your paper at every stage of its review period thereafter, via e-mail.

### *Hardcopy submission of manuscripts*

Unless submitted electronically, all manuscripts should be prepared in quadruplicate (including 4 copies of all figures and plates properly collated with the body of the text) and submitted to the relevant section editor:

- *Cellular and Molecular Neurobiology*  
IAN S. ZAGON, Department of Neuroscience and Anatomy, M.S. Hershey Medical Center, 500 University Drive, Hershey, PA 17033, USA. tel. (+1) 717 531 8650; fax (+1) 717 531 5184; e-mail [isz1@psu.edu](mailto:isz1@psu.edu)
- *Cognition and Behaviour*  
STEPHEN B. DUNNETT, School of Biosciences, Cardiff University, Museum Avenue, Cardiff CF10 3US, Wales, UK. tel. (+44) 2920 875188; fax (+44) 2920 876749; e-mail [dunnett@cf.ac.uk](mailto:dunnett@cf.ac.uk)
- *Development and Regeneration*  
ANDREW D. McCLELLAN, Division of Biological Science, 114 Lefevre Hall, University of Missouri, Columbia, MO 65211-6190, USA. tel. (+1) 573 882 1447; fax (+1) 573 884 5020; e-mail [mcclellana@missouri.edu](mailto:mcclellana@missouri.edu)
- *Functional and Molecular Neuroanatomy, and Experimental Neuropathology*  
MARINA BENTIVOGLIO, Department of Morphological and Biomedical Sciences, Section of Anatomy and Histology, Medical Faculty, University of Verona, Strada Le Grazie 8, 37134 Verona, Italy. tel. (+39)-045-8027158; fax (+39)-045-8027163; e-mail [marina@anatomy.univr.it](mailto:marina@anatomy.univr.it)
- *Neuropharmacology and Neuroendocrinology*  
E. SYLVESTER VIZI, Institute of Experimental Medicine, Hungarian Academy of Sciences, Szigony u. 43, H-1083 Budapest, Hungary. tel. (+36) 1 210 0810; fax (+36) 1 210 0813; e-mail [esvizi@koki.hu](mailto:esvizi@koki.hu)
- *Neurophysiology and Computational Neuroscience*  
ADONIS MOSCHOVAKIS, Institute of Applied and Computational Mathematics, F.O.R.T.H., P.O. Box 1527, Heraklion 71110, Crete, Greece. tel. (+30) 81 394 509; fax (+30) 81 391 801; e-mail [moschov@med.uoc.gr](mailto:moschov@med.uoc.gr)
- *Normal and Pathological Human Brain Function*  
PIETRO PIETRINI, Institute of Medical Biochemistry, Medical School, University of Pisa, Via Roma, 55, I-56126 Pisa, Italy. tel. (+39) 050 993410 and (+39) 050 561912; fax (+39) 050 550241; e-mail: [pietro.pietrini@bm.med.unipi.it](mailto:pietro.pietrini@bm.med.unipi.it)

In cases of uncertainty, manuscripts may be submitted directly to the Editor-in-Chief, Stephen B. Dunnett, at the above address.

### *Preparation of manuscripts*

- Manuscripts should be double-spaced throughout with wide margins on good quality paper. Text should not be justified, but flush left. Words should not be hyphenated to fit on a line. Pages should be numbered sequentially. Articles must be written in English, with either British or American spelling used consistently throughout.
- The first page should contain: title of paper (in upper and lower case, to ensure proper transcription when indexing, e.g., "NADPH-diaphorase" or "basal nucleus of Meynert"); author(s); laboratory or institution of origin with city, state, postal/zip code, and country; complete name and address for correspondence with telephone and fax numbers, and e-mail

address if available; running head not to exceed 40 characters including spaces. This first page will not be sent to referees.

- The second page should contain only the title and running head. This page will serve as the cover when the manuscript is sent to referees.
- The third page should contain the abstract and keywords. The abstract should be suitable for abstracting journals and should not exceed 200 words. The use of abbreviations should be avoided in the abstract. A list of 4–6 keywords suitable for indexing terms and not included in the title should be typed below the abstract.
- Research papers should be organised in a standard form with separate Introduction, Materials and Methods, Results and Discussion sections. Review articles should be divided into sections and subsections as appropriate. Sections and subsections should not be numbered.
- Acknowledgements, references, figure legends and each table should be typed on separate sheets.
- Authors are invited to submit the names, addresses, telephone and fax numbers and e-mail (if available) of up to 4 potential reviewers.
- The final version of the paper should be accompanied by a version on computer disk.

#### Anonymous review

- In order to promote fairness of the review process, it is the editors' intention to provide anonymous review of all manuscripts. In order to achieve this, the first page and the acknowledgements page will be removed from the manuscripts sent to referees.
- If authors wish to maintain anonymity, manuscripts should be written accordingly; i.e., their names should not appear explicitly in the body of the text (e.g., "as we have reported previously [ref]"), appear as page headers, nor be written on the back of the figures.
- In order for the editors to select the most appropriate referees, authors are invited to submit the names of potential reviewers as explained above.

#### Authorship

All authors are expected to have contributed significantly to the work. In cases of doubt, this should be taken to imply contribution to at least two of the following: experimental design, data collection, data analysis, and writing of the report.

#### Dimensions and measurements

All dimensions and measurements must be specified in the metric system. Standard nomenclature, abbreviations and symbols will be based on the Vancouver convention. (Refer to the Appendix of *Brain Research Bulletin*, Volume 36, Number 1, 1995 and/or to the CBE Style Manual.)

#### Drugs and special reagents

The source of all compounds should be identified. The chemical names of any drug should precede the trade name, popular name or abbreviation the first time it occurs. Publication in the journal implies a willingness by the authors to make special materials, including antibodies, amino acids and cell lines, freely available to other scientists for legitimate academic purposes wherever possible.

#### Design and statistical analysis

Particular attention needs to be paid to the selection of appropriate analyses of data.

- Be consistent in the use of either parametric or non-parametric tests.
- Pay attention to the logical fallacy of concluding in favour of the null hypothesis.
- Pay attention to the proper identification and analysis of repeated measures in designed experiments.

- Where an experiment involves a factorial design, undertake the proper multifactorial analysis—a series of multiple single factor analyses or independent pairwise comparisons are not acceptable.
- Similarly, use the proper *post hoc* tests for multiple comparisons to evaluate the locus of significant main effects or interactions—again, multiple independent uncorrected pairwise comparisons are not acceptable.
- The results of statistical tests should be incorporated in the body of the text, typically in the Results section, rather than in figure legends. Do not include full analysis of variance summary tables, but only summary statistics with test value, degrees of freedom and level of significance. The appropriate form for reporting variance ratios in analyses of variance is, for example,  $F(2,48) = 3.05$ ,  $P < 0.01$ , with a similar style as appropriate for other statistical tests. Statistical measures of variation in the text, illustrations and tables (e.g., SD, SEM) should be identified.

#### Formulae and equations

All subscripts, superscripts, Greek letters and unusual characters must be clearly identified.

#### Abbreviations

Abbreviations should be defined on first use in the text, unless in very common and general usage (e.g., subcutaneous s.c.). A list of standard abbreviations is available upon request. Where many abbreviations occur, a separate list related to the whole article should be provided on a separate page. Such a list should in any case be provided when multiple anatomical abbreviations are repeated in several figure legends.

#### Italicisation

Foreign, in particular Latin and Greek, terms should be italicised (e.g., *in vivo*, *in vitro*, *in situ*, *per se*, *de novo*, *post mortem*). Genes (e.g., *c-fos*, *c-jun*, *fos-B*, *myc*) and species (e.g., *Macaca mulatta*, *Rana catesbeiana*) should also be italicised as illustrated, whereas the protein products of genes (e.g., Fos) should have a leading capital but are not italicised.

#### References

- Footnotes are not a part of normal scientific reports. Relevant material should be included in the text or in references. Reference citations should only be to published material or manuscripts that are accepted for publication and 'in press'. Other references to manuscripts which are still in preparation or submitted but not yet accepted should be referred to in the text as 'unpublished data' or 'personal communications'.
- All references cited in the text should be listed on a separate page(s) at the end of the article, arranged in alphabetical order according to first author, and numbered consecutively. Literature cited should be prepared according to the numbered/alphabetised style of the Council of Biology Editors (CBE). Citation of literature references in the text should be given at the appropriate places by numbers in square brackets. All items in the reference list should be cited in the text and conversely all items cited in the text must be included in the reference list.
- Literature references must be complete, including the names and initials of all authors, title of the paper, abbreviated title of the journal, volume, first and last pages of the article, and year (example 1 below). In cases of doubt, abbreviations of journal titles should comply with the List of Serial Title Word Abbreviations, CIEPS/ISDS, Paris, 1985, ISBN 2-904938-02-8. References to books should follow the form: names and initials of all authors, title of the book, city, publisher, and year (example 2 below). References to chapters in multi-author books should follow the form: names and initials of all authors, title of the chapter, names and initials of all editors, title of the book, city, publisher, year, and first and last pages of the article (example 3 below).

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