

## Instructions to authors

The *International Journal of Pharmaceutics* publishes innovative papers, reviews, mini-reviews, rapid communications and notes dealing with physical, chemical, biological, microbiological and engineering studies related to the conception, design, production, characterisation and evaluation of drug delivery systems *in vitro* and *in vivo*. ‘Drug’ is defined as any therapeutic or diagnostic entity, including oligonucleotides, gene constructs and radiopharmaceuticals.

Areas of particular interest include: physical pharmacy; polymer chemistry and physical chemistry as applied to pharmaceutics; excipient function and characterisation; biopharmaceutics; absorption mechanisms; membrane function and transport; novel routes and modes of delivery; responsive delivery systems, feedback and control mechanisms including biosensors; applications of cell and molecular biology to drug delivery; prodrug design; bioadhesion (carrier-ligand interactions); and biotechnology (protein and peptide formulation and delivery).

### Editorial Policy

The over-riding criteria for publication are originality, high scientific quality and interest to a multidisciplinary audience. Papers not sufficiently substantiated by experimental detail will not be published. Any technical queries will be referred back to the author, although the Editors reserve the right to make alterations in the text without altering the technical content. Manuscripts submitted under multiple authorship are reviewed on the assumption that all listed authors concur with the submission and that a copy of the final manuscript has been approved by all authors and tacitly or explicitly by the responsible authorities in the laboratories where the work was carried out. If accepted, the manuscript shall not be published elsewhere in the same form, in either the same or another language, without the consent of the Editors and Publisher.

Authors must state in a covering letter when submitting papers for publication the novelty embodied in their work or in the approach taken in their research. Routine bioequivalence studies are unlikely to find favour. No paper will be published which does not disclose fully the nature of the formulation used or details of materials which are key to the performance of a product, drug or excipient. Work which is predictable in outcome, for example the inclusion of another drug in a cyclodextrin to yield enhanced dissolution, will not be published unless it provides new insight into fundamental principles.

### Submission of Manuscripts

For the initial submission of manuscripts for consideration, hardcopies are sufficient. The original plus two copies, complete with two sets of figures (including originals or duplicates of sufficient quality for clarity of reproduction) and tables, must be submitted in English. All data that would help referees to evaluate the paper should also be supplied. Manuscripts should be typewritten with double spacing and adequate margins on one side of the sheet only (not more than 26 lines per page). All pages should be numbered sequentially. Manuscripts should be sent to one of the following Editors-in-Chief according to the geographical origin of the author. Please include full contact information – corresponding author name, e-mail address, telephone and fax numbers, and full postal address.

After **final acceptance for publication**, your revised manuscript on disk together with two printed hard copies, should be submitted to the accepting editor. **It is important that the file on disk and the printout are identical.** Both will then be forwarded by the editor to Elsevier.

When the paper is to be published as a Rapid Communication, this should be clearly indicated to the Editor-in-Chief.

#### *Europe, Africa, Near East*

Editor-in-Chief, Prof. A.T. Florence; Editor, Prof. G. Buckton; The School of Pharmacy, University of London, 29-39 Brunswick Square, London WC1N 1AX, U.K. Fax: +44 20-7837-5092; e-mail: [ijp@ulsop.ac.uk](mailto:ijp@ulsop.ac.uk).

#### *The Americas and Australia*

Dr J.H. Rytting, Pharmaceutical Chemistry Dept., University of Kansas, 2095 Constant Ave., Lawrence, KS 66047, U.S.A. Fax: +1 785 864 5736 e-mail: [ijp@ku.edu](mailto:ijp@ku.edu).

### ***Japan and Far East***

Prof. T. Sonobe, Dept. of Pharmaceutical Engineering, School of Pharmaceutical Sciences, University of Shizuoka 52-1 yada, Shizuoka -shi 422-8526, Japan. Fax: +81-54-2645614; e-mail: sonobe@u-shizuoka-ken.ac.jp.

### **Electronic Manuscripts**

Electronic manuscripts have the advantage that there is no need for the rekeying of text, thereby avoiding the possibility of introducing errors and resulting in reliable and fast delivery of proofs. The preferred storage medium is a 3.5 inch disk in MS-DOS format, although other systems are acceptable, e.g., NEC and Macintosh (in this case, save your file in the usual manner, do not use the option 'save in MS-DOS format'). Please **do not split** the manuscript into separate files (title page as one file, text as another, etc.). Ensure that the letter 'l' and digit '1' (also letter 'O' and digit '0') have been used properly, and format your article (tabs, indents, etc.) consistently. Characters not available on your word processor (Greek letters, mathematical symbols, etc.) should not be left open but indicated by a unique code (e.g., galpha, @, #, etc., for the Greek letter  $\alpha$ ). Such codes should be used consistently throughout the entire text. Please make a list of such codes and provide a key. Do not allow your word processor to introduce word splits and do not use a 'justified' layout. Please adhere strictly to the general instructions on style/arrangement and, in particular, the reference style of the journal. It is very important that you save your file in the word processor format. If your wordprocessor features the option to save files 'in flat ASCII', please do **not** use it. Format your disk correctly and ensure that only the relevant file (one complete article only) is on the disk. Also, specify the type of computer and wordprocessing package used, label the disk with your name and the name of the file on disk.

Additional instructions on how to prepare your manuscript can be found at <http://www.elsevier.com/homepage/authors>. More in-depth guidelines for submitting artwork/illustrations can be found at: <http://www.elsevier.com/locate/authorartwork>.

### **Types of Papers**

#### **(1) Full Length Manuscripts**

The arrangement of full length papers should accord with the following:

##### **(a) Title**

The full title should not exceed 85 characters including spaces between words.

##### **(b) List of Authors**

Initial(s) (one given name may be used) followed by the surname of author(s) together with their affiliations. When the work has been carried out at more than one address, the affiliation of each author should be clearly indicated using superscript, lower-case letters. The author to whom correspondence should be directed must be indicated with an asterisk.

##### **(c) Affiliation(s)**

Name(s) and address(es) of the establishment(s) where the work was done, designated by superscript, lower-case letters where appropriate.

##### **(d) Abstract**

An Abstract not exceeding 200 words (a single paragraph) should be provided typed on a separate sheet.

##### **(e) Keywords**

A maximum of 6 keywords or short phrases suitable for indexing should be supplied. If possible, keywords should be selected from Index Medicus or Excerpta Medica Index. Authors may also wish to refer to the subject Index published in *International Journal of Pharmaceutics*, for example, Vol. 211/1-2, pp. 119-135.

##### **(f) Corresponding Author**

The author to whom correspondence should be directed should be designated with an asterisk (do not include the address unless different from that indicated by the author's affiliation). Telephone, telex and fax numbers of the corresponding author may be included if provided.

##### **(g) Text**

The text should be divided into main sections, such as the following: 1. Introduction, 2. Materials and methods, 3. Results, 4. Discussion, Acknowledgements, References, figure legends, tables and figures. These sections must be numbered consecutively as indicated. Subdivisions of a section should also be numbered within that section, for example, 2.1. Materials, 2.2. Relative humidity measurement, 2.3. Sample preparation, etc.

**(h) Nomenclature**

Standard nomenclature should be used throughout; unfamiliar or new terms and arbitrary abbreviations should be defined when first used. Unnecessary or ambiguous abbreviations and symbols are to be avoided. Data should be expressed in SI units.

**(i) Figure Legends, Table Legends, Footnotes**

Figure legends, tables and footnotes should be typed on separate sheets, lines double spaced. Footnotes, to be numbered consecutively in superscript throughout the text, should be used as little as possible.

**(j) References**

See below for full details.

**(2) Rapid Communications**

(a) These articles should not exceed 1500 words or equivalent space.

(b) Figures should not be included otherwise delay in publication will be incurred.

(c) Do not subdivide the text into sections. An Abstract should be included as well as a full reference list.

(d) No proofs will be sent to the author(s).

**(3) Notes (formerly Short Communications)**

Should be prepared as described for full length manuscripts, except for the following:

(a) The maximum length should be 1500 words, including figures and tables.

(b) Do not subdivide the text into sections. An Abstract and reference list should be included.

**(4) Descriptions/Reviews of Computer Programs**

The manuscript should include information on hardware compatibility and software availability (including costs, ordering address, etc.). All manuscripts must be accompanied by a manual describing software validation, operating instructions (in greater detail than in the manuscript) and illustrations of input and output data sets. In order that reviewers can appropriately evaluate the package, three copies of the manual and software (diskettes, tapes, etc.) should accompany submission. Software and manual will be returned only on request by the authors.

**(5) Reviews and Mini-reviews**

Suggestions for review articles will be considered by the Editors in Chief. "Mini-reviews" of a topic are especially welcome.

**References****(a) Text citation**

The Harvard system of citation must be used. References should be cited in the text within parentheses: where several citations are given within a single set of parentheses, they should be arranged in ascending order of year of publication; where more than one reference with the same year of publication is cited, they should be arranged in alphabetical order of the first authors' names. When referring to a work of more than two authors, the name of the first author should be given, followed by et al.

**Examples of text citations:**

(Gesztos et al., 1988; Chestnut et al., 1989; Legros et al., 1990; Mhando and Li Wan Po, 1990; Korsten et al., 1991; Langerman et al., 1991, 1992a,b; Masters et al., 1991; Bonhomme et al., 1992; Kolli et al., 1992).

(Shaw et al., 1978; Nakano and Arita, 1990b; Nakano et al., 1990a,b; Bone et al., 1992)

**(b) Reference list**

All references cited in the text should be listed at the end of the paper (typed with double spacing) and assembled alphabetically. More than one paper from the same author(s) in the same year must be identified by the letters a, b, c, etc. placed after the year of publication.

References must consist of names and initials of all authors, year, title of paper, abbreviated title of periodical, and volume and first and last page numbers. 'Personal communication' and 'unpublished data' should be cited in the text only. Papers referred to as 'submitted for publication' must include the name of the journal to which submission has been made. Journal titles should be abbreviated according to the '*List of Serial Title Word Abbreviations*' (available from International Serials Data System, 20, rue Bachaumont, 75002 Paris, France. ISBN 2-904939-02-8).

*Example of arrangement in the reference list:*

Crowe, J.H., Crowe, L.M., Chapman, D., 1984a. Infrared spectroscopic studies on interactions of water and carbohydrates with a biological membrane. *Arch Biochem. Biophys.* 232, 400–407.

Crowe, J.H., Crowe, L.M., Hoekstra, F.A., 1989. Phase transitions and permeability changes in dry membranes during rehydration. *J. Bioenerg. Biomembr.* 21, 77–92.

Crowe, J.H., Crowe, L.M., Carpenter, J.F., Aurell Wistrom, C., 1987. Stabilization of dry phospholipid bilayers and proteins by sugars. *Biochem. J.* 242, 1–10.

Crowe, J.H., Crowe, L.M., Carpenter, J.F., Rudolph, A.S., Wistrom, C.A., Spargo, B.J., Anchordoguy, T.J., 1988. Interactions of sugars with membranes. *Biochim. Biophys. Acta* 947, 367–384.

Crowe, L.M., Crowe, J.H., Womersley, C., Reid, D., Appel, L., Rudolph, A., 1986. Prevention of fusion and leakage in freeze-dried liposomes by carbohydrates. *Biochim. Biophys. Acta* 861, 131–140.

Crowe, L.M., Mouradian, R., Crowe, J.H., Jackson, S.A., Womersley, C., 1984b. Effects of carbohydrates on membrane stability at low water activities. *Biochim. Biophys. Acta* 769, 141–150.

*Examples of presentation for various types of publication:*

Langerman, L., Chaimsky, G., Golomb, E., Tverskoy, M., Kook, A.I., Benita, S., 1990. A rabbit model for evaluation of spinal anesthesia: chronic cannulation of the subarachnoid space. *Anesth. Analg.* 71, 529–535.

Timsina, M.P., Martin, G.P., Marriott, C., Ganderton, D., Yianneskis, M., 1994. Drug delivery to the respiratory tract using dry powder inhalers. *Int. J. Pharm.* 101, 1–13.

Gibaldi, M., Perrier, D., 1982. *Pharmacokinetics*, 2nd ed. Dekker, New York.

Deppeler, H.P., 1981. Hydrochlorothiazide. In: Florey, K. (Ed.), *Analytical Profiles of Drug Substances*, Vol. 10, Academic Press, New York, pp. 405–441.

US Pharmacopeia XXII, 1990. US Pharmacopeial Convention, Rockville, MD, pp. 1434–1435.

Mueller, L.G., 1988. Novel anti-inflammatory esters, pharmaceutical compositions and methods for reducing inflammation. UK Patent GB 2 204 869 A, 23 Nov.

Du Plessis, J., 1992. Topical liposomal delivery of biologically active peptides. Ph.D Thesis, Potchefstroom University for CHE, South Africa.

**Figures and Tables***Figures*

Line drawings (including graphs) should be drawn in black ink on white paper or on tracing paper with blue or faint grey rulings; graduation will not be reproduced. Lettering should be large enough to permit photographic reduction. If figures are not to be reduced, their format should not exceed 16×20 cm. Photographs (or half-tone illustrations) must be of good quality, submitted as black and white prints on glossy paper, and have as much contrast as possible. The magnification of micrographs should be indicated by a scale bar in the figure. Figures should be clearly marked on the reverse side with the number, orientation (top) and author's name; a soft pencil or a felt-tipped pen should be used for marking photographs. The illustrations should be numbered with Arabic numerals. The legends should be typed separately with double spacing.

Colour reproduction is available at cost. Detailed information regarding the use of colour may be obtained from the Publisher, at the time of submission of the manuscript to the editors.

*Tables*

All tables must be numbered consecutively (with Arabic numerals) and be cited in the text. Titles should be short but descriptive. Tables should be compiled on separate sheets, together with a legend and/or footnotes identified by superscripts <sup>a,b,c</sup>, etc. Do not use vertical lines and keep horizontal rules to a minimum.

***Proofs, Offprints and Page Charges******Proofs***

Authors will receive galley proofs, which they should correct and return as soon as possible. Please note that Elsevier is now sending authors PDF proofs by e-mail for correction. If an author is unable to handle this process, regular print proofs will be sent. Only typesetter's errors may be corrected; no changes in, or additions to, the edited manuscript will be allowed.

***Offprints***

Upon acceptance, an offprint order form will be sent to the author(s) together with proofs. offprints may be ordered by filling in and returning to the Publisher the order form sent to the authors with the proofs of their paper. Twenty-five offprints of each paper will be provided free of charge. Additional copies may be ordered at prices shown on the offprint order form which will be sent to the author. Offprints ordered after the journal has been printed will cost considerably more than those ordered immediately.

***Page Charge***

There will be no page charges.

**NB:** All questions arising after acceptance of the manuscript, especially those relating to proofs, publication and reprints should be directed to:

*International Journal of Pharmaceutics*, Elsevier Ireland Ltd. Brookvale Plaza, East Park, Shannon, Co. Clare, Ireland, Tel. (+353) 61 709600, Fax (+353) 61 709 107/109. E-mail: [authorsupport@elsevier.com](mailto:authorsupport@elsevier.com)

Please visit the Elsevier Author Gateway at <http://authors.elsevier.com> to track accepted articles and set up e-mail alerts to inform you of when the article status has changed. Information on artwork guidelines, copyright information, and frequently asked questions is also available.

No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of the rapid advances made in the medical sciences, independent verification of diagnosis and drug dosages should be made.