

VOLUME 55

JUNE 1982

Journal of **CELL**
SCIENCE



CAMBRIDGE UNIVERSITY PRESS
For the Company of Biologists Ltd

Journal of Cell Science

The *Company of Biologists Limited* is a non-profit-making organization whose members are active professional biologists. The Company, which was founded in 1925, is the owner of this and other journals, which are printed and published by Cambridge University Press.

Journal of Cell Science is devoted to the study of cell organization. Papers will be published dealing with the structure and function of plant and animal cells and their extracellular products, and with such topics as cell growth and division, cell movements and interactions, and cell genetics. Accounts of advances in the relevant techniques will also be published. Contributions concerned with morphogenesis at the cellular and sub-cellular level will be acceptable, as will studies of micro-organisms and viruses, in so far as they are relevant to an understanding of cell organization. Theoretical articles and occasional review articles will be published.

Subscriptions

Journal of Cell Science is published six times a year, in February, April, June, August, October and December. Each issue is a complete volume. The subscription price of volumes 53–58, 1982, is £140.00 (U.S.A. and Canada US \$385.00) post free. Individual volumes may be purchased at £28.00 (U.S.A. and Canada US \$77.00) each, plus postage. Orders may be sent to any bookseller or subscription agent, or direct to Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, or in the U.S.A. and Canada, to Cambridge University Press, 32 East 57th Street, New York, N.Y. 10022, U.S.A. Copies of the journal for subscribers in the U.S.A. and Canada are sent by air to New York for delivery with the minimum delay. Second class postage paid at New York, N.Y., and at additional mailing offices.

Back numbers of the *Journal of Cell Science* are available from Cambridge University Press, at the addresses given above at £46.00 each for volumes 1–22 and £25.00 each for volumes 23–52. This journal is the successor to the *Quarterly Journal of Microscopical Science*, back numbers of which are obtainable at £8.00 per volume from Messrs William Dawson & Sons, Cannon House, Folkestone, Kent, U.K.

Copyright and reproduction

1. Authors may make copies of their own papers in this journal without seeking permission from the Company of Biologists Limited, *provided that such copies are for free distribution only: they must not be sold.*
2. Authors may re-use their own illustrations in other publications appearing under their own name, without seeking permission.
3. For all other matters relating to the reproduction of copyright material written application must be made to Dr R. J. Skaer, Company Secretary, Company of Biologists Limited, Department of Zoology, Downing Street, Cambridge CB2 3EJ, U.K.
4. ISI Tear Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, U.S.A., is authorized to supply single copies of separate articles for private use only.

INFORMATION FOR CONTRIBUTORS

- 1 Manuscripts** should be sent to The Editors, *Journal of Cell Science*, Department of Zoology, Cambridge CB2 3EJ, England.
- 2 Manuscripts** must be typewritten, in *double spacing throughout (including tables, references and legends)*. Each table should be typed on a separate sheet. Legends to figures should be typed in a single series and placed at the end of the manuscript. Two complete copies of the manuscript should be submitted. Manuscripts must be fully corrected by the author, and a charge will be made for excessive alteration in proof.
- 3 A short title** of not more than 40 characters, for use as page headings, should be supplied and at least 3 key words for indexing papers.
- 4 Manuscripts** must contain a **Summary** of not more than 500 words, placed immediately after the title page. This must be intelligible without reference to the main text and contain no references.
- 5 The list of References** must be given in alphabetical order of author's names. The titles of journals should be abbreviated in accordance with the *World List of Scientific Periodicals*, 4th edn (1963). The following style is used:

GRAY, E. G. & WILLIS, R. A. (1968). Problems of electron stereoscopy of biological tissue. *J. Cell Sci.* **3**, 309-326.

MAZIA, D. (1961). Mitosis and physiology of cell division. In *The Cell*, vol. 3 (ed. J. Brachet & A. E. Mirsky), pp. 77-412. New York and London: Academic Press.
- Citations in the text are given in the following form: Jones & Smith (1960) or (Jones & Smith, 1960). Where there are more than two authors the first citation should include all the names and subsequent citations should be in the form (Jones *et al.* 1960).
- Where more than one paper by the same author(s) have been published in the same year they are cited as Jones (1960*a*), Jones (1960*b*) etc.
- 6 Footnotes** should be avoided wherever possible.
- 7 SI units** should be used throughout in the preparation of manuscripts.
- 8 Text figures** and **photographs** should be numbered in a single series, in the order in which they are referred to in the text. Each individual drawing or photograph should be numbered separately (Fig. 1, Fig. 2 and so on).
- 9 Text figures** should preferably be drawn about twice final size; very large drawings should be avoided. Original drawings are needed for reproduction as photographic copies cannot always be used. The maximum printed size of a drawing is 200 mm by 125 mm. Lettering will be inserted by the printers and should be indicated on a tracing-paper overlay or a duplicate copy.
- 10 Photographs** should preferably be submitted the same size as they are to appear. The maximum for a plate is 200 mm by 140 mm. Where several photographs make up a plate they should be accurately mounted on one sheet of cardboard and irregular shapes avoided wherever possible. Lettering on plates will be inserted by the printers and should be indicated either on a duplicate, marked set of prints or on a tracing-paper overlay bearing accurately marked outlines of the objects indicated.
- 11 Authors** will receive 200 offprints free of charge and may order additional copies when proofs are returned.
- 12 In order** to give the Company of Biologists authority to deal with matters of copyright, authors will be required to assign to them the copyright of any article published in the journal.

Published by the Press Syndicate of the University of Cambridge
The Pitt Building, Trumpington Street, Cambridge CB2 1RP
32 East 57th Street, New York, N.Y. 10022, U.S.A.

© Company of Biologists Limited 1982

Printed in Great Britain at the University Press, Cambridge