INFORMATION FOR CONTRIBUTORS (1995)

Aims and Scope

LEARNING & MEMORY welcomes high-quality original research papers on all types of learning, memory, and their models, conducted in humans and in vertebrate and invertebrate species with the following approaches: behavior, cognition, neuroanatomy, neurophysiology, neuropharmacology, biochemistry, genetics, and cell and molecular biology. The journal will also publish review articles, theoretical papers, and short communications, including comments on published papers and the authors' responses.

Submission of Papers

The journal accepts papers that present original unpublished research. Submission to the journal implies that a paper is not currently being considered for another journal or book. Closely related papers that are in press elsewhere or that have been submitted elsewhere should be included with the submitted manuscript. It is also understood that researchers who submit papers to this journal are prepared to make available to qualified academic researchers materials needed to duplicate their research results. Authors should submit nucleic acid and protein sequences to the appropriate data bank. Questions regarding papers should be directed to Judy Cuddihy, Managing Editor, at Cold Spring Harbor Laboratory (516-367-8492).

Manuscripts should be submitted to:

Judy Cuddihy, Managing Editor
Learning & Memory
Cold Spring Harbor Laboratory
1 Bungtown Road
Cold Spring Harbor, New York 11724

Manuscript Preparation

1. General. Papers should be as concise as possible. The entire paper (including tables, figure legends, references, footnotes) should be typed double-spaced on standard-sized European or American bond paper with at least 1-in (2.5 cm) margins on all four sides. Computer printouts should be of letter quality, and should use a computer typeface of at least 11 point size. Each page should be labeled with the first author's name and a page number. Five copies should be submitted; at least four of these copies should have original art. A cover letter should include: (a) name, address, and telephone number; (b) statement that the manuscript has been seen and approved by all listed authors; (c) specific requirements for reproduction of figures; and (d) status of any permissions needed. Five copies should be submitted for use by qualified researchers to duplicate the results. Methods should be detailed enough to allow any qualified researcher to duplicate the results.

2. Submitted Papers on Computer Discs. Publication can be speeded up if accepted papers are supplied on 3 1/2- or 5 1/4-inch floppy discs. We can accept IBM PC, Macintosh, or compatible, formats. Please supply the manuscript on the disc as a "text" or ASCII file, if possible. Please indicate on the disc: computer brand name, "top." The figures should be numbered consecutively in the order to which they are referred in the text. The size of the figures will be adjusted to fit the Journal format, therefore please try to keep labels, symbols, and other call-out devices in proportion to the figure size detail.

3. Forms. The following order is preferred: Title page, Abstract, Introduction, Methods, Results, Discussion, Acknowledgments, References, Tables, Figure legends. The Title page should include: (a) title; (b) all authors' full names; (c) all affiliations clearly indicated; (d) a shortened version of the title for use as a running head (maximum 45 characters); and (e) key words (up to 6) for use in indexing. The Abstract should be about 200 words long and should summarize the aim of the report, the methodological approach, and the significance of the results. Methods should be detailed enough to allow any qualified researcher to duplicate the results.

4. Figures and Legends. Five sets of figures should be supplied as high-quality glossy prints. Half-tones should be high-contrast, particularly in the case of gels, for the best reproduction. Line drawings, graphs, charts, and chemical formulae, should be professionally prepared and labeled. Multiple-part figures should be submitted as mounted, camera-ready composites. Authors submitting color figures as essential data for review with manuscripts undertake to pay the publication costs of four-color artwork. Price estimates are supplied upon acceptance of the paper.

The back of each figure should be labeled with the first author's name, figure number, and an indication of "top." The figures should be numbered consecutively in the order to which they are referred in the text. The size of the figures will be adjusted to fit the Journal format, therefore please try to keep labels, symbols, and other call-out devices in proportion to the figure size detail.

Figure legends should be brief and should not contain methods. Symbols indicated in the figure should be identified in the legend text. If figures are reprinted from another source, permission to reprint is required.

5. Tables. Tabular data should be presented concisely and logically. Tables should be numbered consecutively according to the order cited in the text and each should have a title. Use only horizontal rules and make sure column headings are unambiguous in indicating columns to which they refer. Table legends and footnotes should be included where needed. If tables are reprinted from another source or if data included are from another source, permission to reprint is required.

6. References. References are name/date citations in text; please do not cite by number. Undated citations (unpublished, in preparation, personal communication) should include first initials and last names of authors. Bibliographic information should be supplied in the following order: For Journal articles: Author(s), year, article title, journal title, volume, inclusive page numbers. For books: Author(s), year, chapter title, book title, editors' names, volume, inclusive page numbers, publisher, city of publication.

7. Proofs. Proofs are considered the final form of the paper and correction can be made only in the case of factual errors. If additional information must be added at this stage, it should be in the form of "Note added in proof," subject to the approval of the editors.

8. Reprints. A reprint order form will be included with the proofs.

To help defray the cost of publication, a charge of $25 per page will be made for publication in Learning & Memory. Authors unable to meet these charges should include a letter of explanation upon acceptance for publication; inability to meet these charges will have no effect on acceptance and publication of submitted papers.
Manipulating the Mouse Embryo
A Laboratory Manual, Second Edition
By Brigid Hogan, Vanderbilt University Medical School; Rosa Beddington, National Institute for Medical Research, London; Frank Costantini, Columbia University; Elizabeth Lacy, Memorial Sloan-Kettering Cancer Center

The 1986 publication of Manipulating the Mouse Embryo catalyzed the interaction between molecular biology and mammalian embryology. For the first time, detailed instructions on how to begin applying recombinant DNA technology to important questions about mammalian embryonic development were made available to a broad audience. The gathering pace of such studies in recent years has brought improvements to existing methods and fueled the creation of new and powerful technologies. The second edition of this classic manual has been completely revised and expanded to incorporate these advances. It contains new sections on the production and analysis of transgenic mice, the manipulation of preimplantation embryos to generate chimeras, the culture and manipulation of embryonic stem cells, including gene "knockouts," and techniques for visualizing genes, gene products, and specific cell types. As before, included with the protocols is a summary of current understanding of mouse development at a molecular level. In its new edition, this manual of proven distinction is again an authoritative and comprehensive source of technical guidance for experienced investigators and an essential resource for newcomers to mammalian genetics and embryology.

CONTENTS
Developmental Genetics and Embryology of the Mouse: Past, Present, and Future
Section A. Summary of Mouse Development
Section B. Setting Up a Colony for the Production of Transgenic and Mutant Mice
Section C. Recovery, Culture, and Transfer of Embryos and Germ Cells
Section D. In Vitro Manipulation of Preimplantation Embryos
Section E. Production of Transgenic Mice
Section F. Isolation, Culture, and Manipulation of Embryonic Stem Cells
Section G. Analysis of Transgenic Mice
Section H. Techniques for Visualizing Genes, Gene Products, and Specialized Cell Types
Section I. In Vitro Culture of Eggs, Embryos, Primordial Germ Cells, and Teratocarcinoma Cells
Appendices
Suggested Reading
References
1994, 497 pp., illus., color plates, appendices, glossary index
Cloth $190 ISBN 0-87969-392-4

To order, or request additional information
Call: 1-800-843-4388 (Continental U.S. and Canada) 516-349-1930 (All other locations)
FAX: 516-349-1946
E-MAIL: cshpress@cshl.org at World Wide Web Site http://www.cshl.org/
Write: CSHL Press, 10 Skyline Drive, Plainview, NY 11803-2500
Cells Are Us*
By Fran Balkwill, ICRF, and Mic Rolph, London
This is a book about the various types of cells that make up the human body. By using lively and expressive language, and by portraying the different cells with colorful and imaginative drawings, the author and artist teach the reader how an individual person is created from just one cell. (Ages 5-8)
1990, 32 fully illustrated 4-color pages
Paper $8.95 ISBN 0-00-196306-6

Cell Wars*
By Fran Balkwill, ICRF, and Mic Rolph, London
After reading this fully illustrated account of immune responses and other anti-microbial reactions, a child will view illness quite differently. He/she will have a better understanding about what actually happens up one's nose, down one's throat, and anywhere else that has been invaded by germs. (Ages 7-13)
1990, 32 fully illustrated 4-color pages
Paper $8.95 ISBN 0-00-196307-4

DNA Is Here to Stay*
By Fran Balkwill, ICRF, and Mic Rolph, London
This colorful book explores the secret of life itself — the secret of DNA. It is designed to teach young readers about the master plan that directs the growth of a single cell into a complete human being. (Ages 9-15)
1992, 32 fully illustrated 4-color pages
Paper $8.95 ISBN 0-00-191165-1

Amazing Schemes Within Your Genes*
By Fran Balkwill, ICRF, and Mic Rolph, London
Although about 99.5% of your genes are the same as everybody else's, some parts vary: hair color, shape of ears, color of skin. And some people inherit genetic diseases like cystic fibrosis. How does that happen? Read this book to discover some amazing facts about your genes. (Ages 9-15)
1993, 32 fully illustrated 4-color pages
Paper $8.95 ISBN 0-00-196465-8

Microbes, Bugs and Wonder Drugs
By Fran Balkwill, ICRF, and Mic Rolph, London with Victor Darley-Usmar, Wellcome Research Laboratories
This book is about drugs—their discovery, development, use and abuse, and their impact on everyday life. Highly illustrated in an entertaining, eclectic style, the book tells compelling stories for young people about the real science of antibiotics, vaccines, in-toxicants, and medicines for allergies and cancer. (Ages 12 and up).
Cloth $20 ISBN 1-85578-065-8

To order*, or request additional information
Call: 1-800-843-4388 (Continental U.S. and Canada)
516-349-1930 (All other locations)
Fax: 516-349-1946
E-mail: cshpress@cshl.org
or World Wide Web Site http://www.cshl.org/
Write: CSHL Press, 10 Skyline Drive Plainview, NY 11803-2500
*Please add $3.00 for postage per order.