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Back Matter
unsolicited submissions will be requested of individuals expert in the subject matter of the book to be reviewed. The approximate length will be 750 words, and the text will include a brief description of the subject matter addressed by the volume, its outstanding strong points, and any obvious weaknesses." Review of Research will be requested to serve as extensive surveys of the literature of an area of science in which Academy members have an interest. In general, reviews will comprise five to ten printed pages.

Organization and format of solicited material will be determined by the author(s) and the editorial staff.

unsolicited submissions, in the form of presentations of quantitative or qualitative data pertaining to any of the sections of the Academy listed inside the front cover, will be considered for peer review. Brief Notes are manuscripts which will be published on less than two printed pages (i.e., less than six pages of typewritten) and will contain no more than one piece of illustrative material (i.e., table, figure, or other illustrations). The editor will identify papers which meet these criteria as Brief Notes if not so categorized by authors. Research Reports are papers which will extend beyond two printed pages and which will contain two or more pieces of illustrative material. Regardless of the length of manuscript, unsolicited submissions should be organized according to the following format:

Page 1 - Title, Author(s), Affiliation(s), Abstract

Page 2 and the remainder - Body of the Paper in the order; Introduction, Materials and Methods, Results, Discussion, Acknowledgements, Literature Cited, Tables, Figure Legends, Figures.

STYLE. The general style of papers previously published by THE OJS should be employed, and can be determined by reading recent issues of THE JOURNAL. Manuscripts should be typewritten with wide margins on 23.6 x 27.9 cm (8.5 x 11 in) paper, and be double-spaced throughout including the title and abstract. The only words to be underlined are scientific names. Spell out numbers one through nine and use Arabic numerals above nine. Extensive quotations in the text should be typed slightly indented from the other text. Footnotes should be used sparingly and abbreviated for units or measurements should be used as given in the CBE Style Manual, 5th ed. (Council of Biology Editors, Inc., 9050 Rockville Pike, Bethesda, MD 20814). This volume is used for editorial decisions with regard to style. Primary text reference should use the International System of Units in all cases, with parenthetical reference to English units at the discretion of the author.

The following guidelines should be adhered to in the organization of the manuscript.

TITLE, AUTHOR(S), AFFILIATION(S). The first page of the manuscript should contain the title, author(s) name(s), the affiliation of the author(s) at the time the research was carried out, a shortened title (running head), and the abstract. The title must be typed in upper and lower case letters as it will appear when typeset. Name(s) of the author(s) should be typed in capital letters at the top edge with name of authors) and figure number, and on the back with the smallest number of tables is encouraged. A horizontal double underline should be made beneath the title of the table, and single underlines should be made the width of the table below the column headings and at the bottom of the table. Do not use vertical lines, and do not place horizontal lines through the column headings or across the text. Footnotes should be used to clarify possible questions within the table, and should be noted by asterisks, daggers, or other symbols to avoid confusion with numerical data. General style of tables can be seen in recent issues of THE JOURNAL.

FIGURE LEGENDS. Each figure must have a complete legend even though the material is described in the text. The legends should not be placed on the figure, but should be typed in order, double-spaced, on a separate sheet which precedes the figures in the manuscript. Figures should be referred to parenthetically in the text, for example (Fig. 1).

FIGURES. All illustrations are referred to as “figures,” and must be numbered consecutively. Figures may be photographs, hand- or computer-generated line drawings in black ink. For the sake of economy, closely related illustrations should be grouped and mounted close together on white cardboard for reproduction as a single unit; however, line drawings and photographs should not be grouped together or combined in a single figure. Each figure, or collection of figures in a plate, should be identified along the top edge with name of author(s) and figure number, and on the back with the name of author(s) and manuscript title. Illustrations other than those generated by the author must bear permission for use and credit to the original authors. Illustrations not specifically requested at time of submission will NOT BE RETURNED. Unless specifically requested, illustrations must be in a size to ensure that it can be read after reduction. On maps and other illustrations where original size is a concern, a graphic scale should be incorporated into the figure. All reproduction of the original artwork for each illustration, two photocopies of each should be submitted to avoid delay in the review process.

FOOTNOTES. Text footnotes should not be used with the following exceptions. A footnote to the title will be added editorially to state the dates of manuscript submission and revision. A footnote to name(s) of author(s) may be used to indicate a present address different from that at which the research was conducted, or to indicate the author to whom inquiries should be directed. All other material or comments must be incorporated into the text. In no case should literature citations be inserted as footnotes. They must be listed in the Literature Cited section. Footnotes to tables are permissible, and are encouraged to promote clarity.

Attention to the above instructions will minimize the need for revision and editorial correction, and will shorten the time from submission to publication. Any questions which are not answered by these instructions, by examining papers in recent issues of THE JOURNAL, or by the CBE Style Manual, 5th ed., should be addressed to the editor.
About the Cover

Normal cell structures are illustrated on the front cover. In contrast, rapidly dividing, metastasizing cancer cells are depicted on the back cover. Normal cell transcription is emphasized on the front cover. Transcription factors melt the DNA double helix, while a DNA-dependent RNA-polymerase synthesizes RNA. These mRNA’s encode structural proteins and maintenance enzymes. Cell division is held in check by tumor suppressor genes (oncogenes) such as p53 and Rb. Other illustrated features of the healthy cell are the nucleolus, mitochondria, cytoskeleton, the nuclear matrix, the porous nuclear membrane, the golgi, ribosomes, and the outer cellular membrane. The back cover shows metastasizing cancerous cells, which differ from the normal cell by their strikingly ruffled surfaces. Autocrine TGFα stimulation of the EGF receptor is shown adjacent to the neu protein, with both transversing a lipid bilayer cell membrane. Malignant cells are brightly illuminated by laser excited phycoerythrin antibody conjugates. Oncogene Science’s extensive line of antibody products are represented by the antibody forms that float above the cells. Important genes and proteins such as p53, neu, rag, jun, fos, and cell cycle proteins can be identified and studied using these products. Our 400+ probes and complementary molecular biology products are depicted by the white star burst at the end of the DNA strand.

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