# INSTRUCTIONS TO AUTHORS

*Molecular Pharmacology* will publish the results of investigations that contribute significant new information on drug action or selective toxicity at the molecular level. The term "drug" is defined broadly to include chemicals that selectively modify biological function.

Suitable papers are those that describe applications of the methods of biochemistry, biophysics, genetics, and molecular biology to problems in pharmacology or toxicology. Also suitable are reports of fundamental investigations which, although not concerned directly with drugs, nevertheless provide an immediate basis for further study of the molecular mechanism of drug action. Observations of phenomena that shed no light upon underlying molecular interactions are not appropriate for publication. Comparative studies, such as those involving drug-receptor or drug-enzyme interactions that already have been well characterized in other types of cells or tissues, also are inappropriate for publication unless they contribute significant new insight into mechanisms.

Specific areas of interest include: identification and characterization of receptors for hormones, growth factors, neurotransmitters, toxins, and other drugs; analysis of receptor response pathways; drug effects on metabolic pathways, biosynthesis and degradation of macromolecules, and cellular regulatory mechanisms; analysis of drug-receptor and drug-enzyme interactions; effects of drugs on structure and properties of macromolecules and membranes; relationships between drug structure and activity; molecular mechanisms of drug metabolism; distribution and transport between biological compartments; molecular mechanisms of chemical mutagenesis, carcinogenesis, and teratogenesis; and molecular mechanisms of selective toxicity, drug allergy, and pharmacogenetics.

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The expenses associated with the review of manuscripts submitted to *Molecular Pharmacology* and other ASPET-sponsored journals that are devoted to publishing original research articles have escalated dramatically in recent years because of ever-increasing costs of postage, supplies, and other office expenses, and the growing number of manuscripts submitted for publication. Thus, it has become necessary for ASPET to follow the example of several other scientific societies which have instituted uniform manuscript handling fees. *Therefore, all manuscripts must be accompanied either by a check for $30 (in U. S. funds drawn on a U. S. bank payable to ASPET) or by a validated purchase order from the authors' institution.* The review process for submitted manuscripts will be delayed until the manuscript handling fee or purchase order is received in the Editor's office. If submission of the manuscript handling fee entails a personal financial hardship to the author(s), the fee will be waived. In that event, the author(s) should submit a request for waiver of the fee when the manuscript is submitted.

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A manuscript should include the following, in the order listed: (1) Title. Numbered footnotes to the title should be avoided; acknowledgment of financial support should be given in an unnumbered footnote to the title. (2) Names of authors, their laboratory and institution. (3) A running title, not exceeding 60 characters and spaces. (4) Summary. (5) Text. Footnotes should be referred to by superscript numbers and references by numbers in parentheses. (6) References, numbered according to order of citation in the text, including title and complete pagination. Examples: 1. Goren, J. H., L. G. Bauce, and W. Vale. Forces and structural limitations of binding of thyrotropin-releasing receptor: the pyroglutamic acid moiety. *Mol. Pharmacol.* **13**:606–614 (1977). 2. Chernow, B., and J. T. O'Brian. Overview of catecholamines in selected endocrine systems, in *Norepinephrine* (M. G. Ziegler and C. R. Lake, eds.). Williams and Wilkins, Baltimore, 439–449 (1984). 3. Snedecor, G. W., and W. G. Cochran. *Statistical Methods.* Iowa State University Press, Ames (1967). (7) Footnotes, numbered according to order of appearance in the text. (8) Tables. (9) Figures. (10) Legends to figures. (11) Name and address of person to receive galley proof.

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