

INSTRUCTIONS TO AUTHORS

Submission of manuscripts. DRUG METABOLISM AND DISPOSITION will consider for publication manuscripts describing the results of original research that contribute significant and novel information on xenobiotic metabolism and disposition. The term xenobiotic includes therapeutic agents as well as environmental chemicals, and research may involve the use of *in vivo* or *in vitro* approaches, including cultured cells and heterologous expression systems. Manuscripts describing the results of pharmacokinetic/pharmacodynamic research are invited. Manuscripts that examine mechanistic aspects of xenobiotic metabolism as well as those examining mechanisms that affect xenobiotic metabolism or disposition, including drug-metabolizing enzyme expression, regulation of drug-metabolizing enzyme gene expression, and genetic polymorphism, are encouraged. Manuscripts concerned with genetic, nutritional, or hormonal factors that influence the biological fate of chemicals are also of interest, as are those that address the toxicologic consequences of xenobiotic metabolism.

Four copies of each manuscript should be sent to Dr. Raymond F. Novak, Editor, DRUG METABOLISM AND DISPOSITION, The Institute of Chemical Toxicology, Wayne State University, 2727 Second Avenue, Room 4000, Detroit, MI 48201-2654. Telephone: (313) 961-4943. Fax: (313) 961-0026 or 577-0082. Submission of a manuscript implies that the material contained therein has not previously been published except as an abstract for a scientific meeting, and that it is not being submitted elsewhere.

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A. Full-length papers. Full papers should be arranged as follows:

1. *Title page*, containing the title of the paper, names of all authors, and the institution(s) where the work was done. The title should have no footnote numbers (see *Footnotes* below). The title should briefly yet explicitly indicate the contents of the paper. Names of chemicals or chemical classes studied, species used, etc., should be included in the title.

2. *Running title* not exceeding 50 total characters and spaces. Please note the Running Title will be used for the front page summary. These should not use commercially designated drug numbers or other unaccepted abbreviations. The name and address of the person to whom editorial correspondence and galley proofs should be sent should appear at the bottom of this page.

3. *Abstract* of not more than 250 words.

4. *Introduction*. A brief summary of the pertinent literature and a statement of the aims of the work.

5. *Materials and Methods*. Species, strains, sexes, and ages or sizes of animals, with Latin names where required for distinction, should be given. Sources and purities of chemicals other than common reagents should be indicated. Equipment used and conditions of use should be specified. When published methods are used, a bibliographic reference is sufficient; minor modifications should be described. When a method has been extensively modified, the entire new procedure should be described. Authors should attempt to describe their work in all cases so that their peers would be able to repeat the experiments. Where conditions for similar experiments vary throughout the work, these may be indicated in legends to figures and tables. Properties and proof of structure must be given for reference compounds used for metabolite identification.

6. *Results*. These should be presented as much as possible in graphic and tabular form. When, however, a table would include only two or three values, it may be preferable to present the data in sentence form in the text. Authors should avoid using several

tables describing very similar experiments; these should be combined wherever possible, unless this would result in overcomplicated, unwieldy tables. The same data should normally not be repeated in tables and figures. The text should be used to describe and summarize the data and to draw primary conclusions from them, but not to repeat the numerical data. No extended discussion of the results should be included in this section.

7. *Discussion*. The major conclusions to be drawn from the work should be assembled here, and these should be discussed with respect to the existing body of knowledge in the immediate area. Graphic schema should be used wherever possible to clarify the conclusions. Speculation should be clearly identified as such, and should be germane to the data presented. Questions raised by the work, or those inherent in the experiments, should be discussed.

Although it is normally preferable to separate the Results and Discussion sections, these sections, *e.g.*, when an extended discussion of some of the experiments is required for an understanding of subsequent experiments, may have to be combined occasionally.

8. *Acknowledgments* of technical assistance, gifts of materials, and other aid. Financial support should not be mentioned here, but rather in an unnumbered footnote to the title (see *Footnotes*, below).

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2. L. M. Anderson: Modulation of nitrosamine metabolism by ethanol: implications for cancer risk. In "Alcohol and Cancer" (R. R. Watson, ed.), pp. 17-42. CRC Press, Boca Raton, Fla., 1992.

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(a) Unnumbered footnote giving source of financial support, thesis information, citation of abstracts of meetings where this work was presented, etc., and, in a separate paragraph, the name and full address (with street address or P.O. box where applicable, and zip code number) of person to receive reprint requests.

(b) Numbered footnotes, starting with those (if any) to authors' names. Number footnotes in sequence throughout the text, using superscript numbers.

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12. *Legends for figures*. Figures should be numbered with arabic numbers, followed by the title in italics (or underlined), with only the first word and proper nouns capitalized. The remainder of the explanatory material should be in paragraph form below the title.

13. *Index terms*. A list of index terms which may be used in constructing the annual index should constitute the last typed page of the manuscript.

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C. Reviews. Contemporary reviews on topics of interest covering the more recent aspects of a subject in the area of interest will be published. These may be critical reviews that present the author's view of the current state of the subject or prospective articles intended to stimulate discussion and research. Manuscripts submitted under this category should be accompanied by a transmittal letter that highlights the significance of the work and includes a list of at least four scientists who could serve as appropriate reviewers.

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Mass: g (gram); mol (mole); eq (equivalent). Do not use M as an abbreviation for mole, as M is used solely as the concentration term molar.

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Radioactivity: Ci (curie); r (roentgen); cpm or dpm (counts or disintegrations per min).

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Chromatography: TLC (thin-layer chromatography); R_F (retardation factor); GLC (gas-liquid chromatography); R_T (retention time); GC/MS (coupled gas chromatography-mass spectrometry); HPLC (high-pressure liquid chromatography).

Equilibrium and kinetic constants: K_d (dissociation constant); K_s or K_i (dissociation constant of enzyme-substrate or enzyme-inhibitor complex); K_M (Michaelis constant); V_{max} (maximum initial velocity); k (rate constant); pK_a (negative logarithm of acidic dissociation constant); $t_{1/2}$, half-life; AUC, area under the curve of plasma concentrations vs. time.

Statistics: p (probability of chance observation); N (number of experiments); SD (standard deviation of the series); SE (standard error of the mean).

Other abbreviations: °C (degrees of temperature); g (acceleration due to gravity, as in 9000g); rpm (revolutions per min); LD₅₀ and ED₅₀ (median lethal and effective doses); iv (intravenous); ip (intraperitoneal); im (intramuscular); sc (subcutaneous); po (peroral); m.p. (melting point); sp.g. (specific gravity).

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Frequency: *Monthly*: One volume a year beginning in January. Printed on acid-free paper.

Correspondence concerning business matters should be addressed to: Customer Service, Subscriptions, Williams & Wilkins, 351 W. Camden Street, Baltimore, MD 21201-2436. Telephone 1-(800) 638-6423 from anywhere in the U.S. and Canada. From other countries, call (410) 528-8555. Fax: (410) 528-8596.

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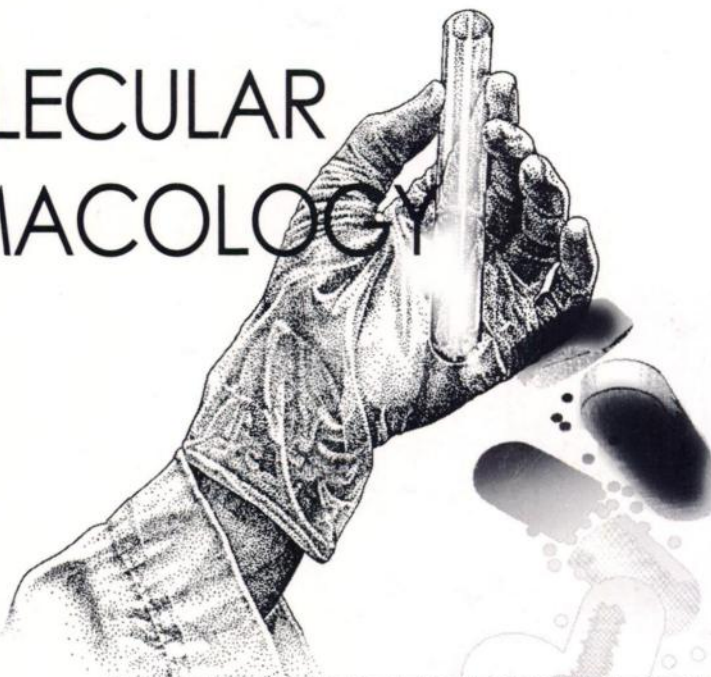
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