ALZHEIMER'S & DEMENTIA: TRANSLATIONAL RESEARCH & CLINICAL INTERVENTIONS

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DESCRIPTION

AIMS AND SCOPE
ABOUT THE JOURNAL

Alzheimer’s & Dementia: Translational Research & Clinical Interventions (TRCI) is a peer-reviewed, open access journal from the Alzheimer’s Association®. The journal seeks to bridge the full scope of explorations between basic research on drug discovery and clinical studies, validating putative therapies for aging-related chronic brain conditions that affect cognition, motor functions, and other behavioral or clinical symptoms associated with all forms dementia and Alzheimer’s disease. The journal will publish findings from diverse domains of research and disciplines to accelerate the conversion of abstract facts into practical knowledge: specifically, to translate what is learned at the bench into bedside applications.

The journal seeks to publish articles that go beyond a singular emphasis on either basic drug discovery research or clinical research. Rather, an important theme of articles will be the linkages between and among the various discrete steps in the complex continuum of therapy development.

For rapid communication among a multidisciplinary research audience involving the range of therapeutic interventions, TRCI will consider only original contributions that include feature length research articles, systematic reviews, meta-analyses, brief reports, narrative reviews, commentaries, letters, perspectives, and research news that would advance wide range of interventions to ameliorate symptoms or alter the progression of chronic neurocognitive disorders such as dementia and Alzheimer's disease.

The journal will publish on topics related to medicine, geriatrics, neuroscience, neurophysiology, neurology, psychiatry, clinical psychology, bioinformatics, pharmaco-genetics, regulatory issues, health economics, pharmacoeconomics, and public health policy as these apply to preclinical and clinical research on therapeutics.

The forms of interventions that are of special interest include, but not limited to: drugs, biologics, devices, and psychotherapeutic, psychosocial, and non-pharmacological modalities. The types of research considered may range from animal model, early discovery and preclinical development to late-stage clinical trials and health technology assessment. Key topics for the journal include a broad array questions or approaches to research such as discovery, related-early protein chemistry, cell biology, mechanistic/exploratory/therapeutic animal models, therapeutic development, clinical pharmacology, preclinical studies, and the application of neuropsychology, clinical ratings, clinical
trials methods, neuroimaging, biomarkers, clinical research informatics, and other interdisciplinary approaches relevant to clinical therapeutics and outcomes.

Given the growing number of specialized manuscripts in the field of Alzheimer's and dementia research, TRCI provides an expanded platform for the publication of preclinical and clinical translational research. TRCI encourages the submission of manuscripts that describe preclinical research with a potential for clinical application, research from early human experimentation (experimental medicine) that may advance clinical treatment and prevention of Alzheimer pathology, neurodegeneration, and cognitive impairment.

Alzheimer's & Dementia: Translational Research & Clinical Interventions will publish manuscripts describing public health research with the potential for application for disease prevention or clinical therapeutics that bridges the laboratory and clinical settings, and laboratory studies of novel therapeutic interventions and new treatment paradigms. TRCI will provide a rapid communication vehicle for manuscripts that focus on translation and clinical research methods, procedures, protocols, analytical approaches and regulatory science.

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GUIDE FOR AUTHORS

Aims & Scope
Alzheimer's & Dementia: Translational Research & Clinical Interventions (TRCI) is a peer-reviewed, open access, journal of the Alzheimer's Association®. The journal seeks to bridge the full scope of explorations between basic research on drug discovery and clinical studies, validating putative therapies for aging-related chronic brain conditions that affect cognition, motor functions, and other behavioral or clinical symptoms associated with all forms dementia and Alzheimer's disease. The journal will publish findings from diverse domains of research and disciplines to accelerate the conversion of abstract facts into practical knowledge: specifically, to translate what is learned at the bench into bedside applications.

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Research In Context
Alzheimer's & Dementia: Translational Research & Clinical Interventions requires a section called "Research in Context". Authors must provide a summary, similar to an abstract, for inclusion during the online submission process. In the summary of 150 words or less, authors must place their results or findings into context with previous work.

The section has three elements.
The “systematic review” subheading describes the process authors used to search, identify, and evaluate the accumulated knowledge related to their scientific question. The “interpretation” subheading requires authors to declare what their findings contribute to the entirety of the accumulated knowledge related to the question of interest described in the paper. The “future directions” subheading challenges authors to state specifically the important scientific question or questions that are necessary to expand, confirm, or refute the author’s findings in future research activities. Authors must be specific in outlining or defining future research directions or crucial questions that yet need to be answered.

Here is an example for the Research in Context section:
Systematic review: The authors reviewed the literature using traditional (e.g., PubMed) sources and meeting abstracts and presentations. While the pathophysiology of ARIA is not yet as widely studied as other aspects of AD biology, there have been several recent publications describing the clinical aspects of ARIA. These relevant citations are appropriately cited.
Interpretation: Our findings led to an integrated hypothesis describing the pathophysiology of ARIA. This hypothesis is consistent with nonclinical and clinical findings currently in the public domain.
Future directions: The manuscript proposes a framework for the generation of new hypotheses and the conduct of additional studies. Examples include further understanding: (a) the role of perivascular clearance pathways on vascular changes following anti-Aβ immunotherapy; (b) the role of alterations in water clearance mechanisms in the resolution of ARIA; (c) the potential reversibility of microhemorrhage events in the clinical setting; and (d) the relationship between the pathophysiology of ARIA-E and ARIA-H. Please see the editorial on page 171 in the March 2012 issue for further details.

**Article Types**

**Review Articles:**
Comprehensive Reviews are commissioned papers by the editors to provide comprehensive and balanced coverage of a timely and/or controversial issue by a recognized authority. Uninvited paper will not be reviewed. The invited review should integrating different points of view on ground-breaking, fast-moving or contentious topics with the objective of translating, informing or educating a wide multi-disciplinary audience about varying perspective. Reviews should provide a brief overview or background of critical issues and then concentrate on setting recent findings in context. It is crucial for all Reviews, particularly those tackling controversial topics, to provide a well-balanced view of developments; authors must never concentrate unduly on their own research. Reviews, unlike Research Articles, do allow some speculation designed to foster the formulation or testing of new hypothesis.

Reviews must include an abstract of approximately 300 words. Length of a Review article may not exceed 10,000 words (excluding the abstract, references, figures, and tables), a maximum of 60 references, no more than six figures, boxes or tables.

**Perspectives and Open-Peer Commentaries:**
Perspectives and Open-Peer Commentaries provide personal in-depth viewpoints, rather than a review, on hotly debated topics; controversial theoretical, research or policy issues. Perspectives should: a) stimulate debate, b) present new models or hypotheses, c) suggest future experiments, directions of research or policies and/or, d) speculate on the meaning/interpretation of new discoveries/data. Articles that merely outline recent advances rather than provide a though provoking opinion on them are not suitable for this section of the Journal.
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**Research Articles:**
Research Articles cover hypothesis driven research or evidence-based validation studies in any of the following generic areas of study: Biology, Chemistry, Clinical/Medical Interventions, Behavior/Neuropsychology, Social Sciences, Nursing, Health Economics, Health Services Research and Public Policy. Manuscripts must include: a) Structured Abstract, b) Background, c) Methods, d) Results, e) Discussion, f) References, g) Acknowledgements/Conflicts/Funding Sources and, h) Key Words. The manuscript, and specifically the abstract, should be written such that a diverse audience will understand the central research question and the significance of the findings or conclusion of the study.
Research Articles must include a structured abstract, using the IMRAD format (specifically, INTRODUCTION, METHODS, RESULTS, DISCUSSION, using all uppercase letters followed by a colon and space), not exceeding 300 words. Length may not exceed 3,500 words (excluding the abstract, references, figures, and tables), a maximum of 50 references, no more than six figures, boxes or tables.

All Research Articles must include a "Research in Context" section.

Short Reports:
Short Reports are brief communications dealing with Case Studies or information on Clinical Trials [including the negative results and/or adverse events in clinical studies]. Short Reports will also cover brief articles on the utility or potential applications of a new technique, instruments or analytical approaches; rather than the detail of the technique per se, which can be references for readers interested in complete technical details. These articles should educate and inform readers by comparing or contrasting new approaches/techniques with established ones and highlighting the pros and cons of each.

Short Reports using the IMRAD format (specifically, INTRODUCTION, METHODS, RESULTS, DISCUSSION, using all uppercase letters followed by a colon and space), not exceeding 300 words. Length may not exceed 1,500 words(excluding the abstract, references, figures, and tables), a maximum of 20 references, no more than two figures, boxes or tables.

Policy Forum:
Policy Forum manuscripts generally will cover topic related to "Science and Society" that might be relevant and/or interest to a broader audience. Policy Forum will include papers on: history and politics of science, brief biographies and policy analysis. The main aim of the Policy Forum articles is simply to tell an exciting story on an interesting topic; the style should be conversational and newsy. Length may not exceed 5,000 words(excluding the abstract, references, figures, and tables), a maximum of 50 references, no more than six figures, boxes or tables.

Policy Forum articles must include a "unstructured abstract" that may not exceed 300 words. The abstract should summarize the paper and answers questions such as: Who? What? When? Where? Why? How?

Letters:
Letters are brief communications relating to the content of earlier issues of Alzheimer's & Dementia: Translational Research & Clinical Interventions or general topics of interest. Letters relating to earlier issues of Alzheimer's & Dementia: Translational Research & Clinical Interventions will be sent to the appropriate authors for review and to give them an opportunity to reply. Previously unpublished data or letters concerning articles published elsewhere, however, will not be considered.

Length may not exceed 750 words(excluding the abstract, references, figures, and tables), a maximum of 10 references, no more than one figure.

Research News:
Research News is designed to highlight recent events, advances or developments (e.g., grants awarded, new funding opportunities, calendar of events, conference reports and abstracts of papers presented at international meetings) that might be a particular interest to the research community. The articles should inform not only a general audience but also offer an expert a balanced interpretation of the advances, developments or events being reported. The article should be restricted to report only novel and interesting information. Articles should be written in a lively style, giving brief essential background, putting recent advances in context and providing insight on future perspectives and direction. Rather than including extensive background information, the reader should be directed, via a citation, to an appropriate review article or text.

Research News articles must include a "summary lead" that may not exceed 50 words. The summary lead is the first few sentences that summarizes the event and answers the questions: Who? What? When? Where? Why? How? Research News articles may not exceed 1,500 words, a maximum of 20 references, no more than two figures, boxes or tables.

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Authors should include a statement in the manuscript that informed consent was obtained for experimentation with human subjects. The privacy rights of human subjects must always be observed.

All animal experiments should comply with the ARRIVE guidelines and should be carried out in accordance with the U.K. Animals (Scientific Procedures) Act, 1986 and associated guidelines, EU Directive 2010/63/EU for animal experiments, or the National Institutes of Health guide for the care and use of Laboratory animals (NIH Publications No. 8023, revised 1978) and the authors should clearly indicate in the manuscript that such guidelines have been followed. The sex of animals must be indicated, and where appropriate, the influence (or association) of sex on the results of the study.

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PREPARATION

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**Journal Style**


There are a few instances where the journal style deviates from AMA. These differences are outlined in the Style Guide Quick Reference.

Please review this document and ensure that your manuscript adheres to these style points before submitting it for consideration.

**Article structure**

**General Format**

Manuscripts should be typed double-spaced, and numbered, with wide margins. Computer-generated illustrations must be of the high quality of professional line drawings or they will not be accepted. The title page should contain: title of paper; author(s); laboratory or institution of origin with city, state, zip code, and country; complete address for mailing proofs; telephone, fax number, and email address (when available, the email address will appear in the correspondence footnote of the published article). References, footnotes, and legends for illustrations should be typed on separate sheets, double spaced. Illustrations should be identified with figure number and author(s) name; when necessary the top should be clearly marked. Each table should be typed on a separate sheet and double spaced. All dimensions and measurements must be specified in the metric system. Standard nomenclature, abbreviations and symbols (specified by Royal Society Conference of Editors. Metrication in Scientific Journals. Am. Scient. 56:159-164;1968) should be used throughout. Italics should not be used for the purpose of emphasis.

**Length of Paper**

The Editors insist upon clear, concise statement of facts and conclusions. Fragmentation of material into numerous short reports is discouraged. All accepted papers are subject to editorial revision and copyediting. Authors should avoid redundancy between sections of text and illustrations and text. The Editors may recommend that appendices and tables containing extensive data be published in the electronic version of Alzheimer’s & Dementia: Translational Research & Clinical Interventions and only referenced in a footnote in the print edition.

**Subdivision - numbered sections**

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

**Appendices**

If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

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**Abstract**
Each paper submitted must be accompanied by an abstract of 300 words or less to appear after the title. For Research Articles, the abstract should be suitable for use by abstracting journals and must include the following headings using the IMRAD format (specifically, INTRODUCTION, METHODS, RESULTS, DISCUSSION, using all uppercase letters followed by a colon and space), not exceeding 300 words. A list of 5 to 15 keywords or short phrases suitable for indexing terms should be typed at the bottom of the abstract page accompanying the manuscript. These terms will be printed with the paper following the abstract.

**Research in Context**
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**Abbreviations**
Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article. Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article.

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