DESCRIPTION

Metabolism Open is a peer-reviewed, open-access journal publishing original research and reviews related to all aspects of human metabolism. Articles considered for publication include studies in humans, animal and cellular models. Work with strong translational potential is prioritized. Metabolism Open will consider papers for publication in any aspect of translational and clinical metabolic research, including (but not limited to):

- Energy Expenditure and Obesity
- Metabolic Syndrome and Diabetes
- Nutrition, Exercise, and the Environment
- Genetics, Proteomics, and Metabolomics
- Carbohydrate, Lipid, and Protein Metabolism
- Endocrinology and Hypertension
- Mineral and Bone Metabolism
- Cardiovascular Diseases and Malignancies

Published in association with Metabolism.

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GUIDE FOR AUTHORS

Aims and scope

Metabolism Open promotes excellence in research by publishing high-quality original research papers, fast-tracking cutting-edge papers, brief reports, reviews, mini-reviews and meta-analyses, as well as editorials and commentaries related to all aspects of metabolism. Work considered for publication in Metabolism Open includes studies in humans, animal and cellular models. There is a special interest on randomized controlled trials and meta-analyses. Studies with strong translational potential are also prioritized.

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Reporting guidelines checklist

Articles submitted to Metabolism Open should be prepared according to key reporting guidelines, as defined by the EQUATOR Network. Authors should submit their manuscript together with the appropriate for each article type guidelines checklist. The latter should be submitted as supplementary material.

The recommended reporting guidelines per article type are presented below. If the authors select to follow other reporting guidelines, they should take care to be appropriate for the article type they submit with.

Recommended reporting guidelines per article type:
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"ARRIVE" for preclinical animal studies
"PRISMA" for Systematic reviews and meta-analyses of randomized controlled trials
"MOOSE" for Systematic reviews and meta-analyses of observational studies
"AGREE" for Clinical practice guidelines
"STARD" for diagnostic accuracy studies
"CARE" for case reports

Submission of the reporting guidelines checklists are not required for editorials, commentaries, narrative reviews, narrative min-reviews and letters to the Editor.

For further information about reporting guidelines, authors should visit the EQUATOR Network website, where an updated list of guidelines with links to articles and checklists is maintained.

Original Research Papers

Original Research Papers describe original research findings. They should be no longer than 5000 words, excluding the title page, abstract, references, tables, and figure legends, but including the abbreviation list, acknowledgements, funding, disclosure statement, and author contributions. They should contain no more than 10 tables and figures combined and no more than 60 references. Their final accepted version should, in general, not exceed 8 printed journal pages; additional information may be included as a supplementary appendix, to be published online. There is a special interest on randomized controlled trials. Preregistration of randomized controlled trials in a database of clinical trials is a prerequisite for the submission.

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These manuscripts describe limited but novel, focused and straightforward original research findings. Preliminary data, pilot studies, case reports, case series, or studies with small sample sizes do not usually qualify, unless they are of exceptional quality, utilize novel methodologies, or report findings that can form the basis of future, more definitive studies and/or are of great interest to the journal’s readership. They should be no longer than 1500 words, excluding the title page, abstract, references, tables, and figure legends, but including the abbreviation list, acknowledgements, funding, disclosure statement, and author contributions. They should contain no more than 2 tables and figures combined and no more than 20 references. Their final accepted version should, in general, not exceed 3 printed journal pages; no additional information may be included. Other than the length, the requirements and review process are the same as for original research papers.
**Meta-analyses**

There is a special interest on meta-analyses. These articles systematically find, select, critique, and synthesize evidence relevant to well-defined questions in metabolic research. Meta-analyses of randomized controlled trials should follow PRISMA reporting guidelines, whereas those of observational studies should follow MOOSE reporting guidelines. A relevant checklist should be uploaded as a supplementary appendix (please, see on equator network for the relevant checklist). The requirements and review process are the same as for original research articles. Additional information (including references to disqualified papers and study summary tables) should be included as a supplementary appendix, to be published online.

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Reviews should be a maximum of 5000 words, excluding the title page, abstract, references, tables, and figure legends, but including the abbreviation list, acknowledgements, funding, disclosure statement, and author contributions. Subheadings in the text are recommended to highlight the content of different sections. An unstructured summary of no more than 200 words is required. Reviews should contain no more than 10 tables and figures combined and no more than 150 references. Reviews are generally commissioned by the Editors but unsolicited articles will be considered.

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These articles are usually but not necessarily solicited by the journal editors and concisely address a timely or controversial issue of importance to the journal's readership, usually in response to work that has been published in the journal (typically, they are published in the same issue). They should be unstructured (without headings) and should be no longer than 1500 words, excluding the title page, references, tables, and figure legends, but including the abbreviation list, acknowledgements, funding, and disclosure statement (if applicable); no abstract or author contributions are required. They should contain no more than 2 tables and figures combined and no more than 50 references. Their final accepted version should, in general, not exceed 2 printed journal pages; no additional information may be included. These articles are not pre-screened and are usually reviewed by members of the editorial board.

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These articles are unsolicited short commentaries related to specific points of agreement or disagreement with the work that has been published recently in the journal (namely, in the past 3 issues). They should be no longer than 500 words (all inclusive), contain no more than 1 table or figure, and no more than 15 references. Accepted letters will only appear online, not in print.

**Editorial Process**

Metabolism Open publishes several categories of articles; all submissions must conform to the journal's reporting and style requirements and must be written in standard scientific English language. New submissions, except for solicited articles (e.g. commentaries), will be initially evaluated in depth by the editorial team that will decide on the overall quality of the work and its suitability for Metabolism Open. Manuscripts that do not conform to the general criteria for publication will be returned to the authors without detailed review, typically within 14 days. This will facilitate prompt notification of authors and will allow expedited resubmission of the authors' work elsewhere. Otherwise, manuscripts will be sent for formal review immediately. The editorial board will make every effort to reach initial decision on these manuscripts within 4-6 weeks from the submission date. If revisions are a condition of publication, ~8 weeks will be provided to re-submit a revised version of the manuscript. Accepted manuscripts will generally be published no later than 4 months from acceptance. The journal does not require submission or publication charges.

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