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**Front Matter**

Title

* Full titles can be a maximum of 135 characters.
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Example: Firstname M. Lastname,1\* Firstname I. Lastname,1,2 Firstname I. Lastname3†

Authors should be listed in order of contribution to the paper, by first name, then middle initial (if any), followed by last name and separated by commas. The author list should be one single paragraph with no line breaks. Failure to spell out first names will introduce errors when the paper is deposited in PubMed. The author list should match information cataloged in the author paperwork in CTS.

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* Each affiliation should be a separate paragraph.
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**Identify the corresponding author with an asterisk (\*) and be sure to include that person’s e-mail address.**

Use symbols (in this order: †, ‡, §, ||, ¶, #, ††, ‡‡, etc.) for author notes such as present addresses, “These authors contributed equally to this work” notations, and similar information.

**Abstract**

The abstract should be a single paragraph (**less than 160 words**) written in plain language that a general reader can understand. Do not include citations. The abstract should provide:

* An opening sentence that states the question/problem addressed by the research
* Enough background content to give context to the study
* A brief statement of primary results
* A short concluding sentence

**Teaser**

This one-sentence summary (<130 characters with period) provides a pithy snapshot of your research for non-specialist readers and should complement rather than repeat the title. Do not use “We” to start the teaser.

**MAIN TEXT**

**The manuscript should be a maximum of 15,000 words.**

**Introduction**

The manuscript should start with a brief introduction that lays out the problem addressed by the research and describes the paper’s importance. The scientific question being investigated should be described in detail. The introduction should provide sufficient background information to make the article understandable to readers in other disciplines, and provide enough context to ensure that the implications of the experimental findings are clear. USE ACTIVE VOICE: “The team conducted the experiment.” NOT “The experiment was conducted by the team.”

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The results should describe the experiments performed and the findings observed. The results section should be divided into subsections to delineate different experimental themes. Subheadings should be descriptive phrases. All data must be shown either in the main text or in the Supplementary Materials.

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* Display equations (set on their own line) can be included. Do not use the native Word 2007, 2008, 2010, or 2011 equation editor. This can produce inaccurate MathML, the online markup language we use, which may result in display errors. Instead, use the legacy equation editor in Word (Insert menu; select insert object; select word equation) or use MathType (recommended). If you enter equations in simple LaTeX, check that they convert accurately (Word 2007 and higher can convert simple LaTeX equations). Display equations should be numbered at the right — (1), (2), etc.
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The Materials and Methods section should provide sufficient information to allow replication of the results. Begin with a section titled Experimental Design describing the objectives and design of the study as well as prespecified components.

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There is only one reference list for all sources cited in the main text, figure and table legends, and Supplementary Materials. The suggested upper limit for research articles is 80 and for review articles 150. References cited only in the Supplementary Materials should be added at the end of the main paper reference list. They do not count toward the 80 citations limit. Do not include a second reference list in the Supplementary Materials section. **Exception:** If a set of references is used as a dataset compiled to do the research (such cases usually involve extensive reference lists) include these references in an Excel file and list the datafile labeled as such in the Supplementary Materials.

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Please do not include any extraneous language such as explanatory notes as part of a reference to a given source. No endnotes or footnotes are permitted; if information is important enough to include, add it to the main text. Note that accepted papers cannot include any unpublished or “in-press” references. They must convert to published references or will be removed and the list will have to be renumbered.

**Acknowledgments**

Acknowledgments follow the references and notes section but are not numbered. They should include the following information in the order listed below. Each section must be a **separate paragraph** and the heading in bold. Please use the subhead and boldface layout as shown below.).

If applicable, begin the section with text that acknowledges non-author contributions. (Note this section does not have a general heading).

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**Author contributions:** Each author’s contribution(s) to the paper should be listed (we suggest following the CRediT model with each CRediT role given its own line. No punctuation in the initials.

Examples:

Conceptualization: SBB, DLA, MPW

Methodology: HP, FTGS, CW, JRK

Investigation: SBB, DLA, MPW

Visualization: SFB

Supervision: SJE, JLS, EH

Writing—original draft: SBB, DLA

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