

<sup>1</sup> **Concise, descriptive title in sentence case**

<sup>2</sup> **Abstract**

<sup>3</sup> Provide a single paragraph (<160 words) accessible to a broad audience. Avoid citations and include a brief problem statement, key approach, primary findings, and a short concluding sentence.

<sup>6</sup> **One-sentence summary**

<sup>7</sup> Single-sentence summary under 130 characters.

<sup>8</sup> **Keywords:** keyword one, keyword two, keyword three

<sup>9</sup> **One-sentence summary**

<sup>10</sup> Single-sentence summary under 130 characters.

<sup>11</sup> **Author notes**

- <sup>12</sup> Asterisk (\*) marks the corresponding author and should match the e-mail in the author block.
- <sup>14</sup> Use symbols (†, ‡, §, ||, ¶, #, ††, ‡‡) for notes such as equal contribution or present address.

<sup>16</sup> **Abstract**

<sup>17</sup> Replace this paragraph with your abstract. Keep it under 160 words and avoid citations.

<sup>18</sup> **Introduction**

<sup>19</sup> Outline the background and the question or problem being addressed. Keep the narrative accessible to a multidisciplinary reader.

<sup>21</sup> **Results**

<sup>22</sup> Describe the core findings in logical order. Cite figures and tables inline (for example, “Fig. 1” or “Table 2”).

**24 Discussion**

- 25 Interpret the results, highlight limitations, and connect to prior work without restating the  
26 Results section.

**27 Materials and Methods**

- 28 Provide enough detail for reproducibility. Include statistical tests, sample sizes, number of  
29 replicates, and any preregistration identifiers when applicable.

**30 References**

- 31 Citations follow Science Advances style via the CSL file. Ensure entries appear in the order  
32 cited.

**33 Acknowledgments**

- 34 List any individuals who contributed but are not authors.

**35 Funding**

- 36 Specify funding sources and grant numbers.

**37 Author contributions**

- 38 Describe contributions using CRediT-style roles (for example, “Conceptualization: JR, TC;  
39 Investigation: JR; Writing – original draft: JR; Writing – review & editing: JR, TC”).

**40 Competing interests**

- 41 Disclose any financial or personal relationships that could influence the work. State “The  
42 authors declare that they have no competing interests” if none exist.

**43 Data and materials availability**

- 44 Detail where data, code, and materials can be accessed (with DOIs or repository links) and  
45 any restrictions.

## 46 Supplementary Materials

47 List the sections and figures included in the companion Supplementary Materials PDF. Ex-  
48 ample:

- 49     • Materials and Methods  
50     • Fig. S1 to S5  
51     • Table S1 to S3  
52     • References (61–75)