RESEARCH ARTICLE

This is the full title of your paper

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Abstract

This is where the abstract should be. It should be limited to 250 words, unstructured, and should not have any citations in it. Do note that this LaTeX file needs to be compiled using XeLaTeX or LuaLaTeX for ORCID links to work.

Key words: Keyword One; Keyword Two; Keyword Three; Keyword Four; Keyword Five; Keyword Six

Introduction to this Template

This is the LaTeX template for Neuroanatomy and Behaviour articles, based on the oup-contemporary class developed by Oxford University Press and Overleaf.

There are important commands in the preamble that you will need to modify for your own manuscript. If you are using this template on Overleaf, please switch the editor to Source code mode to view them; or if you prefer to stay in the Rich Text view, click on the title in the Rich Text view to display the preamble code.

Check the the `\journal{...}` command in the preamble so that the correct journal name, logo and colours are loaded automatically. **Neuroanatomy and Behaviour is the only journal at this time**.

You shouldn't alter `\jname`, `\jlogo` or `jcolour`.

Specify your manuscript's category with the `\papercat{...}` command in the preamble. For example, "Research Article" or "Review".

See the sample code in the preamble for a sample of how author and affiliation information can be specified.

Use later sections starting with 'Background' on page ?? to write your manuscript. The remainder of this current section will provide some sample LaTeX code for various elements you may want to include in your manuscript.

Sectional Headings

You can use `\section{...}`, `\subsection{...}` commands to add more sections and subsections to your manuscript. Further sectional levels are provided by `\subsubsection`, `\paragraph` and `\subparagraph`.

Citations and References

Neuroanatomy and Behaviour uses the *PLOS* referencing style.. This is a citation: [1] and here are two more: [2, 3].

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- Another point.
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3) A third point.

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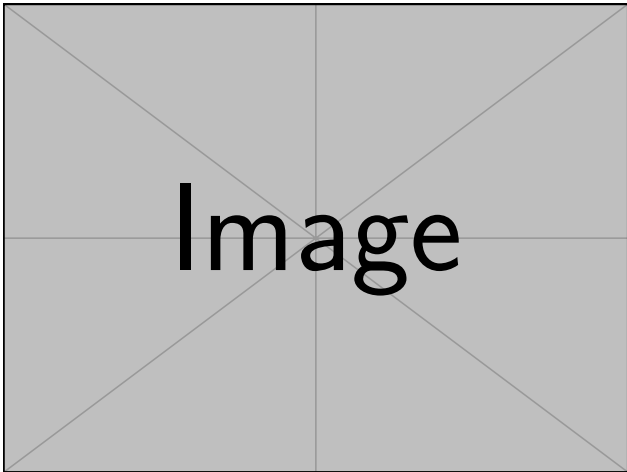
Figure 1. An example figure

Table 1. An example table.

Item	Quantity	Notes
Widgets	42	Over-supplied*
Gadgets	13	Under-supplied

This is a table note.
*Another note.

This is a 3rd level heading

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Figures and Tables

Figures and tables can be added with the usual figure and table environments, e.g. Figure 1 and Table 1. Use figure* and table* if you need a two-column wide figure or table, as in Figure 2 and Table 2.

If you have a very wide table or figure, you can use sidewaystable or sidewaysfigure, as in Table 3: this will be rotated sideways and occupy a *single column* on its own.

If your table or figure is both wide and tall (so it wouldn't fit well in a single column with sidewaystable or figure), you can use table or figure inside a landscape environment for a full-page landscaped alternative. A page break will be inserted *immediately before and after* the landscape environment (Table 4), so you'll need to carefully position it in a suitable location in your manuscript.

Some Mathematics Sample

Let $X_1, X_2, \ldots, X_n$ be a sequence of independent and identically distributed random variables with $E[X_i] = \mu$ and $\text{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n} = \frac{1}{n} \sum_i^n X_i \tag{1}$$

denote their mean. Then as n approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution to a normal $\mathcal{N}(0, \sigma^2)$. To use Greek characters, enclose the Greek letters with \$, for example, ϵ = 0.59, will print ϵ = 0.59.

Introduction

The introduction section should provide background for your study and be written in a way that is accessible to researchers without specialist knowledge in that area and must clearly state—and, if helpful, illustrate—the background to the research and its aims. The section should end with a brief statement of what is being reported in the article.

Methods

The methods section should include the design of the study, the type of materials involved, a clear description of all comparisons, and the type of analysis used, to enable replication of the work. Ease of reproducibility is one of the key criteria on which reviewers will be asked to comment and the highest review scores for methodology are only available to manuscripts that engage in reproducibility-enhancing practices.

Ethical Approval (if applicable)

Manuscripts reporting studies involving human participants, human data or human tissue must:

- include a statement on ethics approval and consent (even where the need for approval was waived)
- include the name of the ethics committee that approved the study and the committee's reference number if appropriate

Studies involving animals must include a statement on ethics approval and have been treated in a humane manner in line with the ARRIVE guidelines.

If your manuscript does not report on or involve the use of any animal or human data or tissue, this section is not applicable to your submission.

Data and Material Availability

Neuroanatomy and Behaviour requires authors to deposit the data set(s) supporting the results reported in submitted manuscripts in a publicly-accessible data repository such as Open Science Framework. This section should be included when supporting data are available and must include the name of the repository and the permanent identifier or accession number and persistent hyperlinks for the data sets (if appropriate). The following format is recommended:

"The data set(s) supporting the results of this article is(are) available in the [repository name] repository, [cite unique persistent identifier]."

The dataset should be cited and included in the reference list. It is strongly recommended that an open access license is
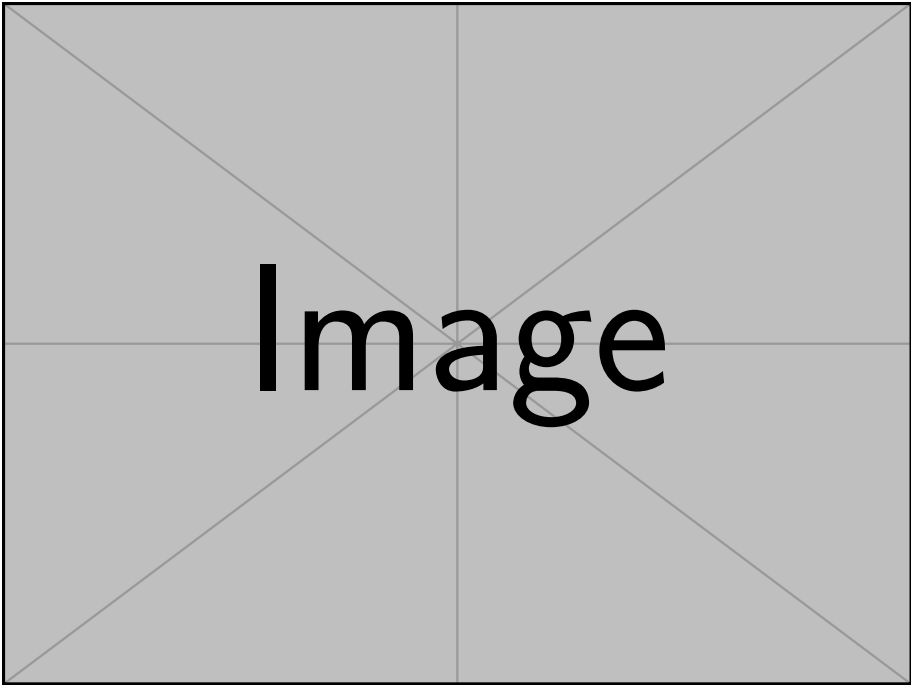
Figure 2. An example wide figure. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Table 2. Automobile land speed records (GR 5-10)

Speed (mph)	Driver	Car	Engine	Date	Extra comments
407.447	Craig Breedlove	Spirit of America	GE J47	8/5/63	(Just to demo a full-width table with auto-wrapping long lines)
413.199	Tom Green	Wingfoot Express	WE J46	10/2/64	
434.22	Art Arfons	Green Monster	GE J79	10/5/64	
468.719	Craig Breedlove	Spirit of America	GE J79	10/13/64	
526.277	Craig Breedlove	Spirit of America	GE J79	10/15/65	
536.712	Art Arfons	Green Monster	GE J79	10/27/65	
555.127	Craig Breedlove	Spirit of America, Sonic 1	GE J79	11/2/65	
576.553	Art Arfons	Green Monster	GE J79	11/7/65	
600.601	Craig Breedlove	Spirit of America, Sonic 1	GE J79	11/15/65	
622.407	Gary Gabelich	Blue Flame	Rocket	10/23/70	
633.468	Richard Noble	Thrust 2	RR RG 146	10/4/83	
763.035	Andy Green	Thrust SSC	RR Spey	10/15/97	

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applied to your data, such as CC BY for datasets or MIT or GPL for computer code.

Results

Describe your results, providing full statistical results in APA format and figures and tables as appropriate.

This section should provide details of all of the experiments and analyses that are required to support the conclusions of the paper. The authors should make clear the goal of each analysis and state the basic findings.

Discussion

The discussion should spell out the major conclusions and interpretations of the work, including some explanation on the importance and relevance of the dataset and analysis. It should not be restatement of the analyses done and their basic conclusions. The discussion section can end with a concluding paragraph that clearly states the main conclusions of the research along with directions for future work. Summary illustrations can be included.

Limitations

Optional subheadings within the discussion can help to structure the discussion around key points, limitations or potential implications.

Conclusion

The authors will likely have some key conclusions and these can be included in a subsection if the authors desire.

Declarations

Table 3. Automobile land speed records (GR 5-10). This is the same table as before, but rotated sideways.

Speed (mph)	Driver	Car	Engine	Date	Extra comments
407.447	Craig Breedlove	Spirit of America	GE J47	8/5/63	(Just to demo a full-width table with auto-wrapping long lines)
413.199	Tom Green	Wingfoot Express	WE J46	10/2/64	
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633.468	Richard Noble	Thrust 2	RR RG 146	10/4/83	
763.035	Andy Green	Thrust SSC	RR Spey	10/15/97	

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Author's Contributions

The individual contributions of authors to the manuscript should be specified in this section. In accordance with our editorial policies, we require authors to follow disciplinary norms, taking into account guidance from the International Committee of Medical Journal Editors and Committee on Publication Ethics. We would recommend you follow some kind of standardised taxonomy like the CASRAI CRediT (Contributor Roles Taxonomy). We generally require the corresponding author to act as a guarantor of the article's integrity.

Acknowledgements

Consent for publication

If your manuscript contains any individual person's data in any form, consent to publish must be obtained from that person, or in the case of children, their parent or legal guardian. All presentations of case reports must have consent to publish. You can use your institutional consent form. You should not send the form to us on submission, but we may request to see a copy at any stage (including after publication). Please also confirm you have followed national guidelines on data collection and release in the place the research was carried out, for example confirming you have Ministry of Science and Technology (MOST) approval in China.

If your manuscript does not contain any individual person's data, please delete this section.

Conflict of Interest Declaration

All financial and non-financial interests that are or could be perceived as a conflict of interest must be declared in this section. Where an author gives no competing interests, the listing will read 'The author(s) declare that they have no competing interests'. If you are unsure whether you or any of your co-authors have a competing interest please contact the editorial office.

Editorial Notes

For the benefit of readers, the manuscript's reviewers are asked to write a short summary of their review to outline the key strengths and weaknesses of the paper.

Reviewer 1

This paper was very good. I enjoyed reading it a lot and hope readers find it helpful.

Reviewer 2

This paper has some serious weaknesses. It had some interesting points, which readers may find interesting, but they should be aware of several important caveats. These caveats include...

References

1. Fan J, Peng H. Nonconcave penalized likelihood with a diverging number of parameters. Ann Statist. 2004;32:928–61.

2. Cox DR. Regression models and life tables (with Discussion). J R Statist Soc B. 1972;34:187–220.

3. Heard NA, Holmes CC, Stephens DA. A Quantitative Study of Gene Regulation Involved in the Immune Response of Anopheline Mosquitoes: An Application of Bayesian Hierarchical Clustering of Curves. J Am Statist Assoc. 2006;101:18–29.

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Table 4. Automobile land speed records (GR 5-10). This is again the same table as before, but on a landscaped page. **Note that a hard page break is inserted immediately before and after** landscape, so you'll need to carefully position such an environment at a suitable location in your manuscript!

Speed (mph)	Driver	Car	Engine	Date	Extra comments
407.447	Craig Breedlove	Spirit of America	GE J47	8/5/63	(Just to demo a full-width table with auto-wrapping long lines)
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526.277	Craig Breedlove	Spirit of America	GE J79	10/15/65	
536.712	Art Arfons	Green Monster	GE J79	10/27/65	
555.127	Craig Breedlove	Spirit of America, Sonic 1	GE J79	11/2/65	
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