Manuscript Title

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Authors

- **John Doe**
  - XXXX-XXXX-XXXX-XXXX · 📩 johndoe · 🐦 johndoe
  - Department of Something, University of Whatever · Funded by Grant XXXXXXXX

- **Jane Roe**
  - XXXX-XXXX-XXXX-XXXX · 📩 janeroe
  - Department of Something, University of Whatever; Department of Whatever, University of Something
Abstract

This manuscript is a template (aka “rootstock”) for Manubot, a tool for writing scholarly manuscripts. Use this template as a starting point for your manuscript.

The rest of this document is a full list of formatting elements/features supported by Manubot. Compare the input (.md files in the /content directory) to the output you see below.

Basic formatting

**Bold text**

*Italic text*

Combined *italics and bold*

Strikethrough

1. Ordered list item
2. Ordered list item
   a. Sub-item
   b. Sub-item
      i. Sub-sub-item
3. Ordered list item
   a. Sub-item

- List item
- List item
- List item

superscript$^2$

subscript$^{2n+1}$

unicode superscripts₀₁₂₃⁴⁵⁶⁷⁸⁹

unicode subscripts₀₁₂₃⁴⁵⁶⁷⁸⁹

A long paragraph of text. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Putting each sentence on its own line has numerous benefits with regard to editing and version control.
Document organization

Document section headings:

Heading 1

Heading 2

Heading 3

Heading 4
A heading centered on its own printed page
Horizontal rule:

Heading 1’s are recommended to be reserved for the title of the manuscript.

Heading 2’s are recommended for broad sections such as Abstract, Methods, Conclusion, etc.

Heading 3’s and Heading 4’s are recommended for sub-sections.

Links

Bare URL link: https://manubot.org

Link with text

Link with hover text

Link by reference

Citations

Citation by DOI [1].

Citation by PubMed Central ID [2].

Citation by PubMed ID [3].

Citation by Wikidata ID [4].

Citation by ISBN [5].

Citation by URL [6].

Citation by tag [7].

Multiple citations can be put inside the same set of brackets [1,5,7]. Manubot plugins provide easier, more convenient visualization of and navigation between citations [2,3,7,8].

Referencing figures, tables, equations

Figure 1

Figure 2

Figure 3

Figure 4

Table 1
Equation 1

Equation 2

## Quotes and code

<table>
<thead>
<tr>
<th>Quoted text</th>
</tr>
</thead>
</table>

Quoted block of text

Two roads diverged in a wood, and I—
I took the one less traveled by,
And that has made all the difference.

Code in the middle of normal text, aka inline code.

Code block with Python syntax highlighting:

```python
from manubot.cite.doi import expand_short_doi

def test_expand_short_doi():
    doi = expand_short_doi("10/c3bp")
    # a string too long to fit within page:
```

Code block with no syntax highlighting:

Exporting HTML manuscript
Exporting DOCX manuscript
Exporting PDF manuscript

## Figures
Figure 1: A square image at actual size and with a bottom caption. Loaded from the latest version of image on GitHub.

Figure 2: An image too wide to fit within page at full size. Loaded from a specific (hashed) version of the image on GitHub.
**Figure 3:** A tall image with a specified height. Loaded from a specific (hashed) version of the image on GitHub.

**Figure 4:** A vector .svg image loaded from GitHub. The parameter `sanitize=true` is necessary to properly load SVGs hosted via GitHub URLs. White background specified to serve as a backdrop for transparent sections of the image.

## Tables

**Table 1:** A table with a top caption and specified relative column widths.

<table>
<thead>
<tr>
<th>Bowling Scores</th>
<th>Jane</th>
<th>John</th>
<th>Alice</th>
<th>Bob</th>
</tr>
</thead>
<tbody>
<tr>
<td>Game 1</td>
<td>150</td>
<td>187</td>
<td>210</td>
<td>105</td>
</tr>
<tr>
<td>Game 2</td>
<td>98</td>
<td>202</td>
<td>197</td>
<td>102</td>
</tr>
<tr>
<td>Game 3</td>
<td>123</td>
<td>180</td>
<td>238</td>
<td>134</td>
</tr>
</tbody>
</table>

**Table 2:** A table too wide to fit within page.

<table>
<thead>
<tr>
<th>Digits 1-33</th>
<th>Digits 34-66</th>
<th>Digits 67-99</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>pi</td>
<td>3.141592653589793238462</td>
<td>288419716939375105820</td>
<td><a href="http://p1day.org">p1day.org</a></td>
</tr>
<tr>
<td>e</td>
<td>2.718281828459045235360</td>
<td>2497757247093699959574</td>
<td><a href="http://nasa.gov">nasa.gov</a></td>
</tr>
</tbody>
</table>

## Equations
A LaTeX equation:

\[
\int_{0}^{\infty} e^{-x^2} \, dx = \frac{\sqrt{\pi}}{2}
\]  

An equation too long to fit within page:

\[
x = a + b + c + d + e + f + g + h + i + j + k + l + m + n + o + p + q + r + s + t + u + v + w + x + y + z + 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9
\]  

Special

⚠️ WARNING The following features are only supported and intended for `.html` and `.pdf` exports. Journals are not likely to support them, and they may not display correctly when converted to other formats such as `.docx`.

Available background colors for text, images, code, banners, etc:

- white
- lightgrey
- grey
- darkgrey
- black
- lightred
- lightyellow
- lightgreen
- lightblue
- lightpurple
- red
- orange
- yellow
- green
- blue
- purple

Using the Font Awesome icon set:

👉 ★ 🌟 ☀️ ...

- Light Grey Banner
  useful for general information - manubot.org

- Blue Banner
  useful for important information - manubot.org

- Light Red Banner
  useful for warnings - manubot.org
References

1. **Sci-Hub provides access to nearly all scholarly literature**
   Daniel S Himmelstein, Ariel Rodriguez Romero, Jacob G Levernier, Thomas Anthony Munro, Stephen Reid McLaughlin, Bastian Greshake Tzovaras, Casey S Greene
   *eLife* (2018-03-01) [https://doi.org/ckcj](https://doi.org/ckcj)
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2. **Reproducibility of computational workflows is automated using continuous analysis**
   Brett K Beaulieu-Jones, Casey S Greene
   *Nature biotechnology* (2017-04) [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6103790/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6103790/)
   DOI: [10.1038/nbt.3780](https://doi.org/10.1038/nbt.3780) · PMID: [28288103](https://www.ncbi.nlm.nih.gov/pubmed/28288103) · PMCID: [PMC6103790](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6103790)

3. **Bitcoin for the biological literature.**
   Douglas Heaven
   DOI: [10.1038/d41586-019-00447-9](https://doi.org/10.1038/d41586-019-00447-9) · PMID: [30718888](https://www.ncbi.nlm.nih.gov/pubmed/30718888)

4. **Plan S: accelerating the transition to full and immediate Open Access to scientific publications**
   cOAlition S
   (2018-09-04) [https://www.wikidata.org/wiki/Q56458321](https://www.wikidata.org/wiki/Q56458321)

5. **Open access**
   Peter Suber
   *MIT Press* (2012)
   ISBN: [9780262517638](https://www.isbn.com/9780262517638)

6. **Open collaborative writing with Manubot**
   Daniel S. Himmelstein, Vincent Rubinetti, David R. Slochower, Dongbo Hu, Venkat S. Malladi, Casey S. Greene, Anthony Gitter
   (2019-07-09) [https://greenelab.github.io/meta-review/](https://greenelab.github.io/meta-review/)

7. **Opportunities and obstacles for deep learning in biology and medicine**
   Travers Ching, Daniel S. Himmelstein, Brett K. Beaulieu-Jones, Alexandr A. Kalinin, Brian T. Do, Gregory P. Way, Enrico Ferrero, Paul-Michael Agapow, Michael Zietz, Michael M. Hoffman, ... Casey S. Greene
   *Journal of The Royal Society Interface* (2018-04-04) [https://doi.org/gddkhn](https://doi.org/gddkhn)

8. **Open collaborative writing with Manubot**
   Daniel S. Himmelstein, Vincent Rubinetti, David R. Slochower, Dongbo Hu, Venkat S. Malladi, Casey S. Greene, Anthony Gitter
   *PLOS Computational Biology* (2019-06-24) [https://doi.org/c7np](https://doi.org/c7np)
   DOI: [10.1371/journal.pcbi.1007128](https://doi.org/10.1371/journal.pcbi.1007128) · PMID: [31233491](https://www.ncbi.nlm.nih.gov/pubmed/31233491)