ByteRead Official Research Paper Submission Guide

ByteRead Editorial Board

October 23, 2025

Advancing scientific understanding through rigorous experimentation and interdisciplinary insight.

1. Mission and Scope

ByteRead Research publishes original, peer-reviewed research papers at the strategic intersection of Artificial Intelligence (AI), Biology/Neuroscience, Medicine and various STEM applications.

Our mission is to advance scientific understanding through rigorous experimentation, data transparency, and interdisciplinary insight. While ByteRead Articles translate research into accessible analysis, ByteRead Research Papers contribute directly to the scientific record through novel hypotheses, empirical data, and validated findings.

1.1. Tone and Style Requirements

- **Scientific and Reproducible:** Maintain a formal, precise tone. Avoid journalistic or conversational phrasing.

- **Evidence over Rhetoric:** Every claim must be supported by data, references, or reproducible methodology.

- **Length:** Research papers typically range between **3,000–8,000 words**, excluding references and appendices.

- **Structure:** Follow the **IMRaD** standard (Introduction, Methods, Results, and Discussion).

- **Audience:** Researchers, clinicians, and policymakers across AI, computational biology, and neuroscience.

2. Manuscript Structure and Content

All research submissions must follow the standard scientific IMRaD structure and include the following components, presented in order.

2.1. Mandatory Sections

1. **Title:** Concise, descriptive, and accurately reflecting the research focus (max 20 words).

2. **Abstract:** A **250–300-word** summary structured as Background, Methods, Results, and Conclusion.

3. **Keywords:** 5–8 technical terms for indexing (e.g., "neuroinformatics," "bio-AI integration").

4. **Introduction:** Define the research question, relevant background, and gap in current knowledge.

5. **Methods/Materials:**
    - Describe study design, datasets, algorithms, and tools in sufficient detail for replication.
    - Include ethics approval (IRB or equivalent) where human/animal data are used.
    - Provide software versioning and statistical methods.

6. **Results:**
    - Present findings objectively with appropriate figures, graphs, and statistical tables.
    - Do not interpret results in this section.

7. **Discussion:**
    - Interpret key findings in context of existing literature.
    - Discuss limitations, implications, and potential future directions.

8. **Conclusion:** Summarize contributions and highlight the significance or applications of the study.

9. **Acknowledgements (optional):** Recognize institutional, financial, or technical support.

10. **References:** Full academic citation list formatted in **APA, IEEE, or Nature** style. DOIs preferred over URLs.

11. **Supplementary Materials (optional):** Include datasets, code repositories, extended tables, or appendices.

3. Authorship and Metadata Submission

All submissions must include complete and accurate author information and declarations.

1. **Full Author Name(s)** with institutional affiliation(s).

2. **Corresponding Author:** Designated contact responsible for manuscript communication.

3. **ORCID iD:** Required for indexing and author verification.

4. **Author Contributions:** Follow **CRediT** taxonomy (e.g., Conceptualization, Data Curation, Writing – Original Draft).

5. **Funding Statement:** Declare all financial support or grants received.

6. **Conflict of Interest Declaration:** Disclose any potential competing interests.

7. **Ethical Compliance:** Include IRB approval number or data usage license, if applicable.

4. Data, Figures, and Tables

4.1. Data Requirements

• Data underlying the study must be **Findable, Accessible, Interoperable, and Reusable (FAIR)**.

• Provide **stable repository links** (e.g., Zenodo, GitHub, OSF) for all datasets and code.

4.2. Figure and Table Standards

• Each figure must include a caption, labeled axes, and units.

• Tables must be clearly formatted with descriptive headings (use `booktabs` for clean formatting).

• Avoid decorative imagery; visuals must convey data or structure.

• ByteRead permits embedded figures (PNG/JPEG/SVG) or external repository links (no base64 or temporary URLs).

5. Citation and Referencing Policy

5.1. In-text Citations

Use parenthetical or numbered citation format consistently throughout (e.g., `[1]`, `(Smith et al., 2024)`). Prefer primary literature (peer-reviewed journals, official datasets, or academic repositories).

5.2. Reference List Example

Example (Nature/APA Hybrid)
1. Doe, J. & Smith, A. (2024). AI-driven protein folding models. *Nature Neuroscience*, 27(5), 712–723. https://doi.org/xx.xxxx/xxxx

5.3. Data and Code Citations

When citing datasets or code, provide the repository name, version, and **DOI** or permanent link.

6. Review and Editorial Process

- **Initial Screening:** Checked for scope, originality, and ethical compliance.

- **Peer Review:** Double-blind review by at least two qualified experts.

- **Revisions:** Authors may be asked to provide clarifications, expanded data, or methodological transparency.

- **Acceptance:** Determined by scientific validity, originality, and contribution to ByteRead's interdisciplinary mission.

- **Post-Acceptance:** Paper assigned DOI and archived in ByteRead's digital repository.

7. Legal, Ethical, and Data Policies

7.1. Plagiarism and Data Integrity

- **Zero tolerance** for plagiarism or falsified data.

- All manuscripts are screened using Turnitin or iThenticate.

7.2. Research Ethics

- Required ethical approval for human or animal studies.

- Include statement of **informed consent** for human data use.

- Respect privacy laws (GDPR, HIPAA, FERPA).

7.3. Copyright and Licensing

- Authors retain copyright under a **Creative Commons CC BY 4.0 license**, unless otherwise stated.

- Submission implies permission for ByteRead to archive and distribute the work under open-access terms.

8. Supplementary Materials

Authors may attach the following as supplementary files. Each supplementary item must include its own **DOI** or stable repository link.

– Extended datasets or raw data tables.

– Full algorithms, model code, or workflows.

– Survey instruments, consent forms, or extended methods.

9. Archiving and Indexing

All accepted papers will be:

- Assigned a CrossRef **DOI**.

- Indexed in Google Scholar, Semantic Scholar, and ByteRead's internal repository.

- Permanently archived for public access.

10. Submission Confirmation

Submitting a paper to ByteRead Research confirms that:

- The submission is original and not under review elsewhere.

- All authors approve the final manuscript.

- The author accepts full responsibility for legal, ethical, and scholarly integrity.

This document is subject to periodic updates. Please consult the official ByteRead website for the most current version prior to submission.