

2013中国开放获取周

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Maintaining Standards of Quality at *PLOS ONE*

PLOS ONE Editorial Staff

October 22, 2013

Open Access and Editorial Standards

- **OA** is a model for access that promotes use and reuse of scholarly material
- **OA** is not a model for editorial decision-making

PLOS ONE is an open access journal that maintains strict editorial standards through its publication criteria

***PLOS ONE* Publication Criteria**

- 1. Study presents primary research that contributes knowledge to the field**
- 2. Results have not been published elsewhere**
- 3. Experiments are performed to a high technical standard and described in sufficient detail**
- 4. Conclusions are supported by the data**
- 5. Article is intelligibly written in standard English**
- 6. Meets all applicable standards of research and publication ethics**
- 7. Adheres to community standards for reporting and for data availability**

PLOS ONE quality control procedures

PLOS staff checks:

- 1. Study presents primary research that contributes knowledge to the field**
- 2. Results have not been published elsewhere**
3. Experiments are performed to a high technical standard and described in sufficient detail
4. Conclusions are supported by the data
- 5. Article is intelligible and written in standard English**
- 6. Meets all applicable standards of research and publication ethics**
- 7. Adheres to appropriate reporting guidelines and community standards for data availability**

Academic Editors and Reviewers focus on points 3 and 4

***PLOS ONE* Staff Manuscript Assessment**

Main checks, prior to peer review:

1. Standards for *research* ethics upheld
2. Standards for *publication* ethics upheld
3. Adherence to reporting guidelines and data availability requirements
4. Surpasses threshold for English language quality
5. Work is in scope and not published elsewhere

This ensures that **by the time articles are assigned to Academic Editors for detailed review, crucial information about ethical oversight and study conduct will be available for their consideration**

***PLOS ONE* Staff Manuscript Assessment**

1. Standards for *research* ethics upheld

Animal and field studies:

- *PLOS ONE* upholds the highest international standards
- IACUC approval required for all vertebrate animal studies, including collection of tissues and cells
- Assess use of humane endpoints for survival experiments
- Ensure appropriate methods of anesthesia and euthanasia
- Require applicable permissions and permits for field studies

***PLOS ONE* Staff Manuscript Assessment**

1. Standards for *research* ethics upheld

Human studies:

- Uphold the highest international standards
- IRB approval required for all studies involving human subjects and/or information, including collection of tissues and cells
- Ensure participants provide informed consent
- Protection of participant privacy and vulnerable groups

We reserve the right to reject submissions that do not meet ethical standards

PLOS ONE Staff Manuscript Assessment

2. Standards for *publication ethics* upheld

- iThenticate software used to screen for plagiarism
- Full declaration of conflicts of interest required
- Full declaration of funding sources required
- Provision of specific contributions of each co-author
- All authors are contacted to confirm submission
- Journal adheres to COPE guidelines and standards

We vigorously investigate allegations of publication misconduct, both before and after publication

PLOS ONE Staff Manuscript Assessment

3. Adherence to reporting guidelines and data availability requirements

- Field-specific reporting guidelines must be followed, including:
 - CONSORT or TREND for clinical trials
 - PRISMA for systematic reviews
 - ARRIVE for animal studies (recommended)
- Authors required to share materials and data reasonably requested for academic research

Failure to comply with community standards may result in rejection

PLOS ONE Staff Manuscript Assessment

4. Surpasses threshold for English language standard

- Poorly written submissions are returned to the authors for copyediting

We reserve the right to reject papers that do not meet language standards

PLOS ONE Staff Manuscript Assessment

5. Work is in scope and not published elsewhere

- Triage submissions that are **out of scope**, including:
 - reviews, case studies, study protocols, opinion pieces, policy papers
- Work must not be published elsewhere in the literature
 - Will consider manuscripts posted on preprint servers
 - Will consider replication studies with sound scientific rationale

Inappropriate dual submissions will be rejected and may be reported to the authors' institutions

***PLOS ONE* Staff Manuscript Assessment**

Recap of main checks **prior to peer review:**

1. Standards for *research* ethics upheld
2. Standards for *publication* ethics upheld
3. Adherence to reporting guidelines and data availability requirements
4. Surpasses threshold for English language quality
5. Work is in scope and not published elsewhere