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Open Access Week, October 2017

Nicola Stead, Senior Editor, PLOS ONE

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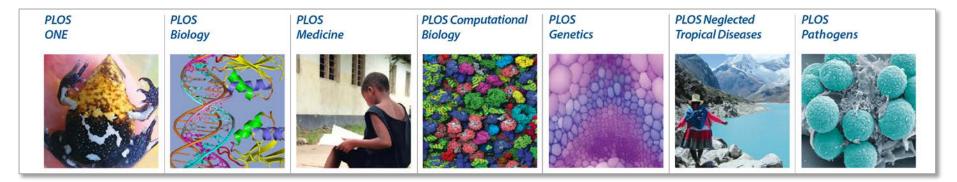
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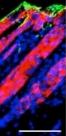




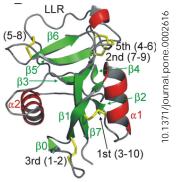














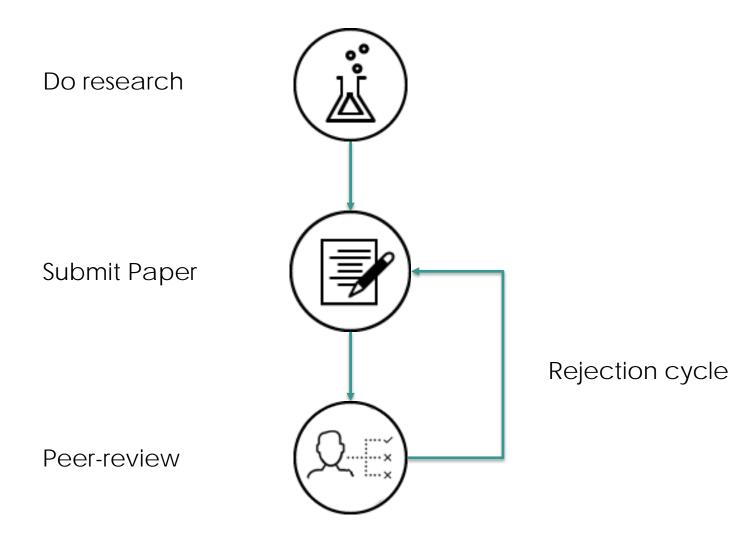
For research in all areas of science and medicine. Work is not judged by perceived importance, but by whether it is done to high scientific and ethical standards, is appropriately described, and includes data to support the conclusions.

Provides a venue for :

- Negative results
- "Unfashionable" results
 - **Reproduction studies**

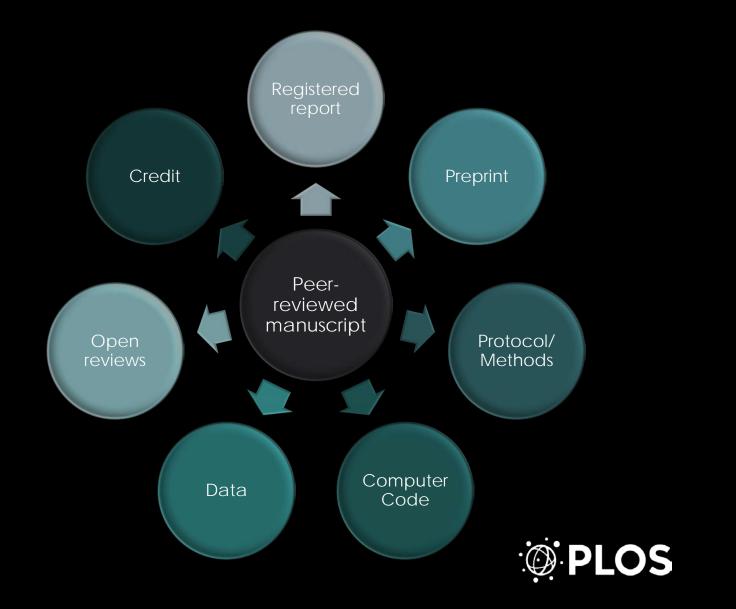


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Open Science: Going Beyond the Published Article



Data Sharing: PLOS Data Policy

 PLOS journals require authors to make all data underlying the findings described in their manuscript fully available without restriction, with rare exception.

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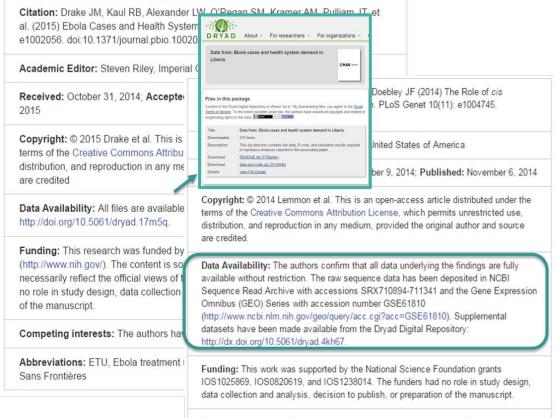


What Is the Value of Research Data?

- Replication/Validation
- New analysis
- Better interpretation
- Inclusion in meta studies
- Facilitate reproducibility
- Scrutiny post-publication
- Better financial and intellectual return on research investment



Data deposition in public repository



Competing interests: The authors have declared that no competing interests exist.

The data availability statement is openly available, and machine-readable as part of the PLOS search API



>81,000

papers published with a data statement at PLOS



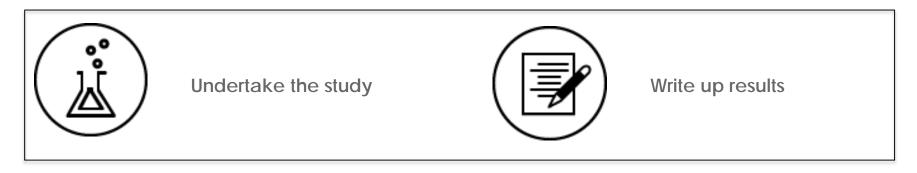
Registered Reports: Partnership with CTF

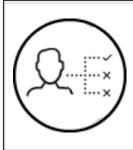


Submit Registered Report for review

- Research question
- Study design
- Methodology & Analysis

In-principle Acceptance (IPA)





Submit to PLOS ONE

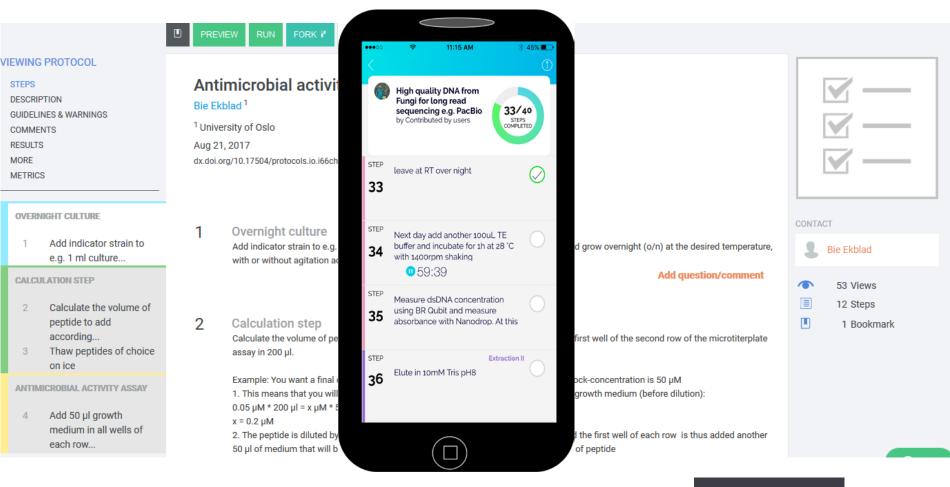
- Adherence to registered report
 - Quality of execution
- Accuracy of interpretation

Commitment to publish irrespective of support of original hypothesis





Protocols.io: Open Access Repository of Science Methods



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Teytelman et al. 2016 PLOS Biology

Author Credit

The growing number of research output makes it difficult to assess individual contributions to research. Sharing of research contributions as part of Open Science requires mechanisms to credit individual researchers.



Author Credit: CRediT taxonomy

Conceptualization

Methodology

Software

Validation

Formal Analysis

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Data Curation

Writing - Original Draft Preparation

Writing – Review & Editing

Visualization

Supervision

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A Taxonomy of Contributions

- Provides authors attribution for what they contributed
- Includes but is not limited to traditional author roles
- Not intended to define authorship
- Human- and machine-readable





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Mating-induced sexual inhibition in the jumping spider *Servaea incana* (Araneae: Salticidae): A fast-acting and longlasting effect

Vivian Mendez 🖾, Rowan H. McGinley, Phillip W. Taylor

Published: October 18, 2017 • https://doi.org/10.1371/journal.pone.0184940

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