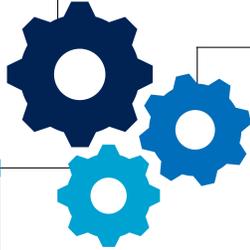


Coming Fall 2019: A new NIHMS to support public access

1 Backend 10+ Years Old

The system was built in 2005 to support a completely new type of function. How and what information to store was determined based on anticipated need rather than experience. The UI update in 2015 left the backend unchanged.



Rationale.

2 Growth in the User Base

The system was built to support NIH intramural and NIH extramural researchers. Today it supports intramural and extramural researchers across a public and private funder spectrum.

3 Continually Extended

To support the growing user base, the system has been built upon and extended to meet new needs and requirements. We are committed to continuing to support the expansion of public access and the needs of our partners well into the future.

Introducing NIHMS4

To support an expanding ecosystem of funder policies, sustainably and reliably into the future, NCBI/NLM have undertaken a complete rebuild of the NIH Manuscript Submission (NIHMS) system. This rebuild will provide an extensible infrastructure to ensure that PMC can continue to serve as a repository of publicly- and privately-funded author manuscripts for many years to come. Questions can be sent to [nihms-help@ncbi.nlm.nih.gov](mailto:.nihms-help@ncbi.nlm.nih.gov).

Objectives.



Streamline Processes

Reduce time required for users to provide data, review submissions, and report errors.



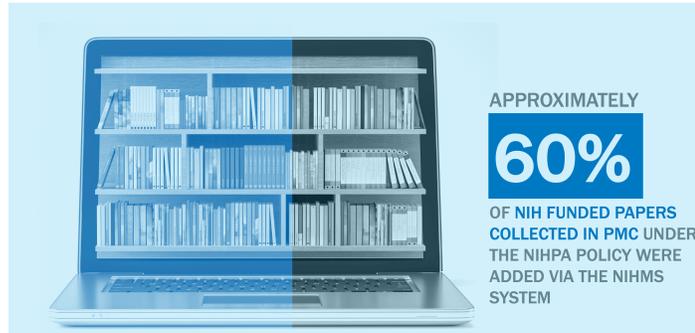
Ensure Quality

Tracking of error reports to support quick resolution and ensure continued accuracy of manuscripts in PMC.



Empower Users

Provide functionality that allows users to supply new files immediately and supports informed decision making.



What to expect



Overall Process Unchanged for Users

Submission and approval workflows will be unchanged.



Single Page Submission Format

Simplified view to improve navigation and review process (see Figure 1).



Retirement of PDF Receipt

Fewer steps and potential fail points by replacing PDF receipt with thumbnail preview display.



Reduced Manual Data Entry

Alternative (e.g., PubMed) and new (e.g., DOI) metadata entry options highlighted (see Figure 1).



Improved Feedback Loop

Submission issues tracked to quickly identify and troubleshoot systemic errors.



Simplified Error Reporting

Side-by-side display and auto-fill location reporting in Final Review step (Figure 2).



Streamlined File Replacement Process

Option to provide new figure, table, or supplemental files with correction request immediately.

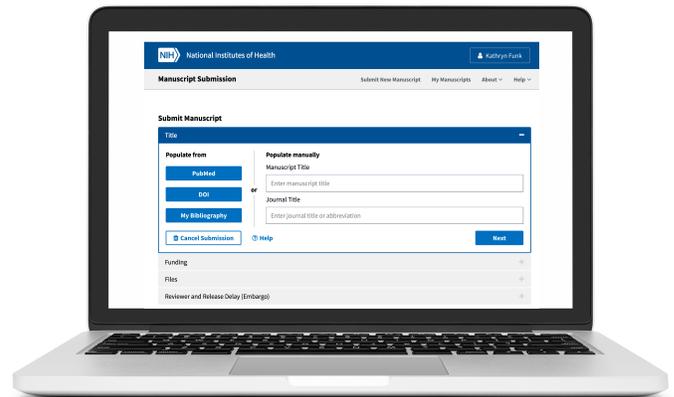


Figure 1. Submission interface.

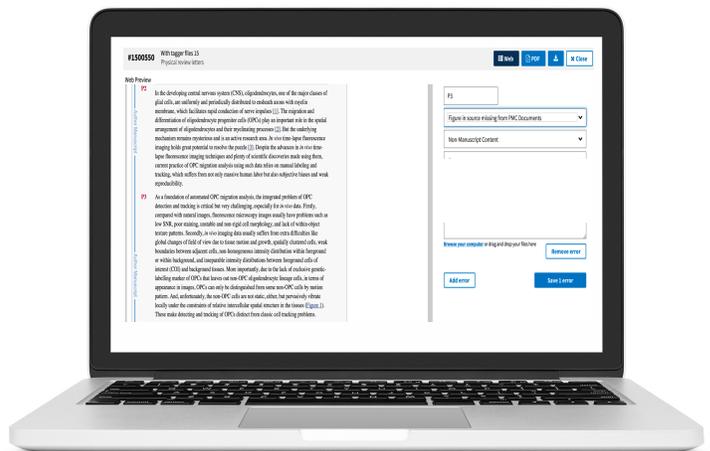


Figure 2. PMC docs / final review interface.

To preview the new NIHMS go to <https://preview.nihms.nih.gov/ms>