



UNIVERSITY OF ARKANSAS
FOR MEDICAL SCIENCES

Library 301: Publishing Pitfalls & Resources for Researchers/Authors

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**TRI Research & Career Development
Seminar Series [KL2 Mentored Research]**

**February 22, 2017
8:30 AM – 10:00 AM PRI 136**

Disclosure

- * **I, Susan Steelman, do not have** (nor does any immediate family member have) a vested interest in or affiliation with any corporate organization of which resources/products are included in this educational activity. Nor do I have any affiliation with an organization whose philosophy could potentially bias my presentation.

OBJECTIVES

Attendees should be able to:

- * Describe Players in Scientific Publishing
- * Identify Red Flags for Possible Predatory Publishers
- * Ascertain Uses of Preprint Servers
- * Identify Requirements of NIH PAP Compliance
- * List tools & Resources to Identify Quality Publishers

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THE WATCHDOGS

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Are 'predatory' publishers' days numbered?

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JULIAN STRATENSCHULTE/AFP/GETTY IMAGES

Posted: 10/19/2016

Audio &

in science and

2/22/2017

SCIENTIFIC PUBLISHING: THE CAST



TYPES OF PUBLISHERS



PUBLISHERS

RED FLAGS



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From: Dr. Kateryna Bielka, M.D. <kateryna.bielka@journals.ke-i.org>
To: Steelman, Susan C
Cc:
Subject: Re: Followup to Dr. Steelman's article?

Sent: Wed 1/4/2017 3:04 AM

Dear Dr. Dr. Steelman,

I hope you are enjoying the start of the new year. We were in contact a few months ago about your paper entitled "Academic health sciences librarians' contributions to institutional animal care and use committees". I wanted to check-in with you again about the possibility of publishing a followup/update to this paper in one of the next issues of the Medical Research Archives. I still think that such an article could be of much interest to our readers and am hoping that you are in a better position to write something now that the new year is starting. The length of the article and timing of submission are flexible. If there is any way I can assist in making this happen please do not hesitate to ask.

Would you be available to proceed with this in the next 2-3 months?

Sincerely,

Dr. Kateryna Bielka, M. D.
Senior Editor
Medical Research Archives
www.journals.ke-i.org/mra

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PUBLISHERS

RED FLAGS



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Image Problems

Medical Research Archives

[Accessed 1-4-17]



- * Sole aim is profit
- * Spamming
- * Sham peer review
- * Ignore criteria for research integrity / transparency
- * Produce huge volumes of articles
- * Hidden fees
- * Lack indexing in quality bib. databases
- * Editorial boards – unknowns or hijacked credentials
- * Plagiarized articles
- * Promise short review & publication periods
- * Mimicry of quality journal titles

PUBLISHERS

IS IT REALLY A PROBLEM?



Predatory publishers earned \$75 million last year, study finds

By John Bohannon | Sep. 30, 2015 , 8:00 PM

<http://www.sciencemag.org/news/2015/09/predatory-publishers-earned-75-million-last-year-study-finds>



PUBLISHERS

THE CONVERSATION

Academic rigor, journalistic flair

Search analysis, re

[Arts + Culture](#) [Economy + Business](#) [Education](#) [Environment + Energy](#) [Ethics + Religion](#) [Health + Medicine](#) [Politics + Society](#) [Science + Technology](#)



Who will keep predatory science journals at bay now that Jeffrey Beall's blog is gone?

January 19, 2017 10:34pm EST

The number of predatory scientific journals has exploded in recent years. Shutterstock

* Preprints – Definition

- * “A document in pre-publication status, particularly an article submitted to a journal for publication.”

[DOE Off. Of Scientific & Technical Information]

- * “... any electronic work circulated by the author outside of the traditional publishing environment”

[Am Physical Society]

Preprint Servers...

Preprint Servers

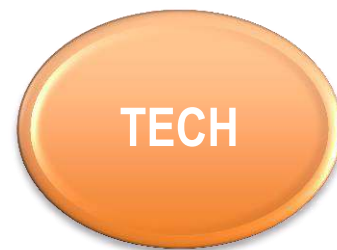
- * Peer-Reviewed Manuscript Awaiting Publication
 - In Traditional journal
 - Papers submitted for pub – pending decision
 - Posted electronically for peer comments
 - Docs not submitted to any journal
- * Accessible on web = e-print



Preprint Servers: Biggies



ChemRxiv
[coming soon]



Cancer Biology

Sign Up for Subject Area Alerts

How Cancer Genomics Drives Cancer Biology: Does Synthetic Lethality Explain Mutually Exclusive Oncogenic Mutations?

Harold Varmus, Arun M Unni, William W Lockwood

bioRxiv 091173; doi: <http://dx.doi.org/10.1101/091173>

New Results

Chemotherapy weakly contributes to predicted neoantigen expression in ovarian cancer

Timothy O'Donnell, Elizabeth L. Christie, Arun Ahuja, Jacqueline Buros, Bulent Arman Aksoy, David D. L. Bowtell, Alexandra Snyder, Jeffrey Hammerbacher

bioRxiv 090134; doi: <http://dx.doi.org/10.1101/090134>

New Results



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WHAT IS IT?

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Authors in PubMed are eligible

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Rienzi L. Hum Reprod Update. 2016. [1 comment](#)

[Amy Donahue](#) 2016 Nov 30 9:20 p.m. (5 days ago) edited 3 of 3 people found this helpful

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Combining MEDLINE and publisher data to create parallel corpora for the automatic translation of biomedical text.

Yepes AJ. BMC Bioinformatics. 2013. [1 comment](#)

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Follow-up work relying on the Scielo database led to the release of a large corpus of parallel scie ... more

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Preventing the ends from justifying the means: withholding results to address publication bias in peer-review.

Button KS. BMC Psychol. 2016. [1 comment](#)

[Erick H Turner](#) 2016 Dec 03 5:08 p.m. (2 days ago) 1 of 1 people found this helpful

Please see... Turner EH. Publication bias, with a focus on psychiatry: causes and solutions. CNS Drugs 2013;27:457-68. doi:10.1007/s40263-013-0067-9 ...which cited earlier propo ... more

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Genetic Background Limits Generalizability of Genotype-Phenotype Relationships.

Sittig LJ. Neuron. 2016. [1 comment](#)

[Andreas Papassotiropoulos](#) 2016 Dec 06 08:30 a.m. (1 hour ago)

Congratulations on an extremely important piece of work, especially within the context of drug discovery in neuropsychiatry. This is indeed a major challenge to the status quo and calls for cautious interpretation of existing data.

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Cell. 2016.

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J Sports Med Phys Fitness. 2016.

[Impact of dietary glycemic challenge on fuel partitioning.](#)
Eur J Clin Nutr. 2016.

[Population-based reference curve for umbilical cord arterial pH in infants born at 28 to 42 weeks.](#)
J Perinatol. 2016.

[Meal Distribution of Dietary Protein and Leucine Influences Long-Term Muscle Mass and Body Composition in Adult Rats.](#)
J Nutr. 2016.

[Tumor Interferon Signaling Regulates a Multigenic Resistance Program to Immune Checkpoint Blockade.](#)
Cell. 2016.

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Cell. 2016.

[Extracorporeal membrane oxygenation and Thoratec pneumatic ventricular assist devices as double bridge to heart transplantation](#)
Transplant Proc. 2012.

[Magnesium and depression.](#)
Magnes Res. 2016.

[Zinc supplementation for the prevention of pneumonia in children aged 2 months to 59 months.](#)
Cochrane Database Syst Rev. 2016.



N I H

- * Funding Amount
- * UAMS Share
- * Tax Payer's \$\$ at Work

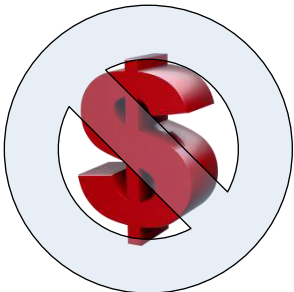


NIH Public Access Policy

- * Mandatory since 2008
- * P Is (not authors) held responsible for compliance



- * July 1, 2013 Enforcement Begins
- * Delay processing of
 - * Non-competing continuation grant awards
- * Compliance must be met for articles attached to those awards before award will be processed



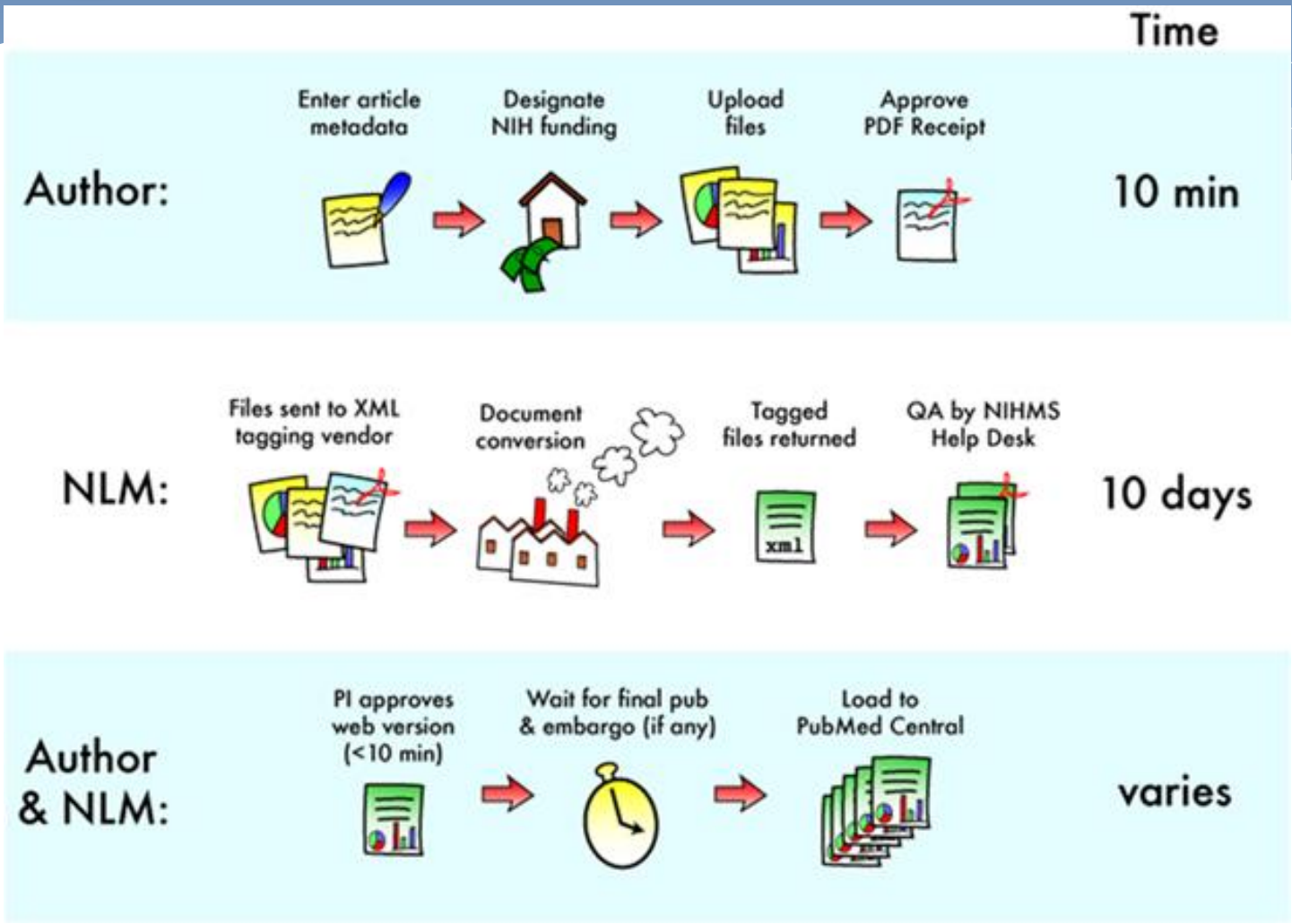


Know Your Numbers

- * **PMID Number** Assigned
to all citations in PubMed.
- * **NIHMSID Number** Assigned
to manuscripts in process in the NIH Manuscript Submission System. This can be used on reports and grant applications for only 3 months following publication.
- * **PMCID Number** Assigned to
manuscripts once process of submission to NIH Manuscript Submission System is complete and article is available or will be available after embargo in PubMed Central.



Example of Method C Submission – Author Submission





Customized Report Example

A Service of the UAMS Library

March 6, 2013

NIH Public Access Policy - Non-Compliance Report

Researcher:

Note: For those pending final approval we have already requested that NIH resend those messages.

PMID	PMCID	NIHMSID	Grant Number	PI Name	Publication Date	NIHMS file deposited	NIHMS initial approval	NIHMS tagging complete	NIHMS final approval

These articles had begun the submission process to PubMed Central but are still incomplete and remain noncompliant.

PMID	PMCID	NIHMSID	Grant Number	PI Name	Publication Date	NIHMS file deposited	NIHMS initial approval	NIHMS tagging complete	NIHMS final approval

Below are the citations for these articles from PubMed... **PLEASE NOTE: SOME PUBMED ID'S HAVE MORE THAN ONE GRANT NUMBER ASSOCIATED WITH IT.**



FED AGENCIES PAP

Home > Scholarly Publishing > Federal Agencies Public Access Policies

Federal Agencies Public Access Policies

In February 2013, The Office of Science and Technology Policy (OSTP) issued a statement that all federal agencies with \$100 million or more in research and development funding needed to create public access policies and enforce them.

The table below lists the federal agencies with public access policies and their data management and article repository requirements.

The Bill and Melinda Gates Foundation is also creating a public access policy.

If you have any questions, please contact the UAMS Library Reference Dept. : 501-686-6734, LibraryReferenceDesk@uams.edu

Agency	Start Date	Data Repository	Journal Repository	Article Embargo Time Allowed	Website for More Information
Agency for Healthcare Research & Quality (AHRQ)	10/1/2015	AHRQ Data Center	PubMed Central (PMC)	12 months	http://www.ahrq.gov/funding/policies/publicaccess/index.html
Centers for Disease Control (CDC)	10/1/2015	Public repositories	PubMed Central (PMC)	12 months	http://www.cdc.gov/od/science/docs/Final-CDC-Public-Access-Plan-Jan-2015_508-Compliant.pdf
Department of Defense (DOD)	End of calendar year 2015	Centralized data catalog/locator at DTIC	Defense Technical Information Center (DTIC)	12 months - compelling exceptions possible	http://www.dtic.mil/dtic/pdf/dod_public_access_plan_feb2015.pdf
Department of Energy (DOE)	10/15/2015	Open Energy Information Platform (OpenIE)	Public Access Gateway for Energy and Science (PAGES)	12 months	http://www.osti.gov/pages/



NIH PAP: What Can You Do?

- Know your copyright agreement!
- Know your numbers: PMID, PMCID & NIHMSID
- Review article submission requirements at Library's website
- Watch for/Request Library customized monthly department Non-Compliance Reports
- Schedule a presentation to your department
- Start the conversation w/ subgrant awardees

HOW TO RESEARCH JOURNALS

LIBRARIANS

AUTHORS

- * Sample the journal's articles
- * Check out journal's web site & policies
- * Fees?
- * Contact other authors
- * Check Indexing in PubMed or Ulrich's
- * Request a Search from UAMS Librarians

- * Non-profit
- * UK based
- * 9400+ journals from 128 countries [as of 2-21-17]
- * COI for DOAJ team members
- * **Principles of Transparency and Best Practice in Scholarly Publishing** <https://doaj.org/bestpractice>

HOW TO RESEARCH JOURNALS

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UAMS Library's Tutorial
http://www.youtube.com/watch?v=bppnB_I6tAs

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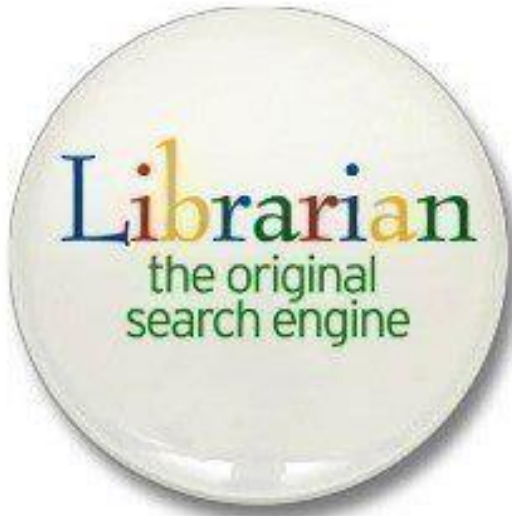


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