

Washington University School of Medicine

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Open October

Becker Medical Library

10-27-2022

Open Access at the School of Medicine

Cathy Sarli

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Guest speakers and educational opportunities



Open October 2022

Highlighting trends in **open science**,
open data, and **open access**

- ORCID and NSPM-33: What to know and how to be ready; Oct. 13, 12 – 12:30 p.m. on Zoom

Brittney Sandler, Research Support Librarian, Becker Library
Becker Library will provide a general background on NSPM-33 and how to get up to date with your ORCID record.



- What's your story? Using narratives to open science; Oct. 18, 10 – 11 a.m. on Zoom

Maryam Zaringhalam, PhD, NLM Data Science & Open Science Officer, National Library of Medicine
Maryam Zaringhalam works to enhance capacity in the biomedical research community for data science and open science



- State of Open Access at Washington University; Oct. 25, 12-12:45 p.m. on Zoom

Micah Zeller, Head of Scholarly Communication Services, University Libraries. Discover more about data on open access publishing and scholarship, with focus on Danforth campus



Today's session!

- Open Access at the School of Medicine; Oct. 27, 12 – 12:30 p.m. on Zoom

Cathy Sarli, Senior Librarian, Becker Library
Learn more about open access, where School of Medicine authors publish, strategies for open scholarship, and resources for authors.



Agenda

- What is Open Access (OA)?
- Open Scholarship
- WUSM publication overview
- Becker Library support
- Open Scholarship strategies for authors



**Open Access at the
School of Medicine**



**There is no universal
definition for Open Access.**

A **philosophy** and **range of practices** in which research outputs are:

- Accessible to read
- Online in digital format
- Reusable (free of copyright/licensing restrictions)
- Machine readable

Goals:

- Eliminate paywalls and other barriers
- Enhance access to research outputs
- Maintain quality peer review standards



FREE

IMMEDIATE

RESEARCH
ARTICLES

OPEN ACCESS

ONLINE

AVAILABILITY

RE-USE
RIGHTS



<https://www.youtube.com/watch?v=L5rVH1KGBCY>

arXiv.org

http://www



JCI
The Journal of Clinical Investigation
Founded 1924

January 1, 1996 Volume 97 Number 1



- molecular medicine / genetic disorders
- infection / inflammation / immunity
- hormones / cytokines / signaling
- cell growth & differentiation
- cellular, transport & organ physiology
- atherosclerosis / thrombosis / metabolism

Molecular Medicine in Genetically Engineered Animals

Published for the American Society for Clinical Investigation, Inc. by The Rockefeller University Press



A Very Brief Introduction to Open Access

by [Peter Suber](#)

Open-access (OA) literature is digital, online, free of charge, and free of most copyright and licensing restrictions. What makes it possible is the internet and the consent of the author or copyright-holder.



Two Primary Vehicles

Open Access Journals

Repositories

Open Access Journals

- Serial that publishes journal articles under an Open Access license.
- Article Processing Charge (APC) required.
- Copyright/license allows for reuse and sharing.
- Articles are immediately freely available to read from journal website or repository.

Repositories

- A central place where full-text content is stored.
- Multiple content types from many publishers.
- Content may be governed by copyright.
- Content is freely available to read; embargo period may apply.

2000



Open Access Journals

Repository



2002 - 2003

BERLIN DECLARATION

The Internet has fundamentally changed the practical and economic realities of distributing scientific knowledge and cultural heritage. For the first time ever, the Internet now offers the chance to constitute a global and interactive representation of human knowledge, including cultural heritage and the guarantee of worldwide access. We, the undersigned, feel obliged to address the challenges of the Internet as an emerging functional medium for distributing knowledge. Obviously, these developments will be able to significantly modify the nature of scientific publishing and

Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities

BUDAPEST OPEN ACCESS INITIATIVE

The original Declaration and guidelines to make research free and available to anyone with internet access and promote advances in the sciences, medicine, and health.

Bethesda Statement on Open Access Publishing

Released June 20, 2003

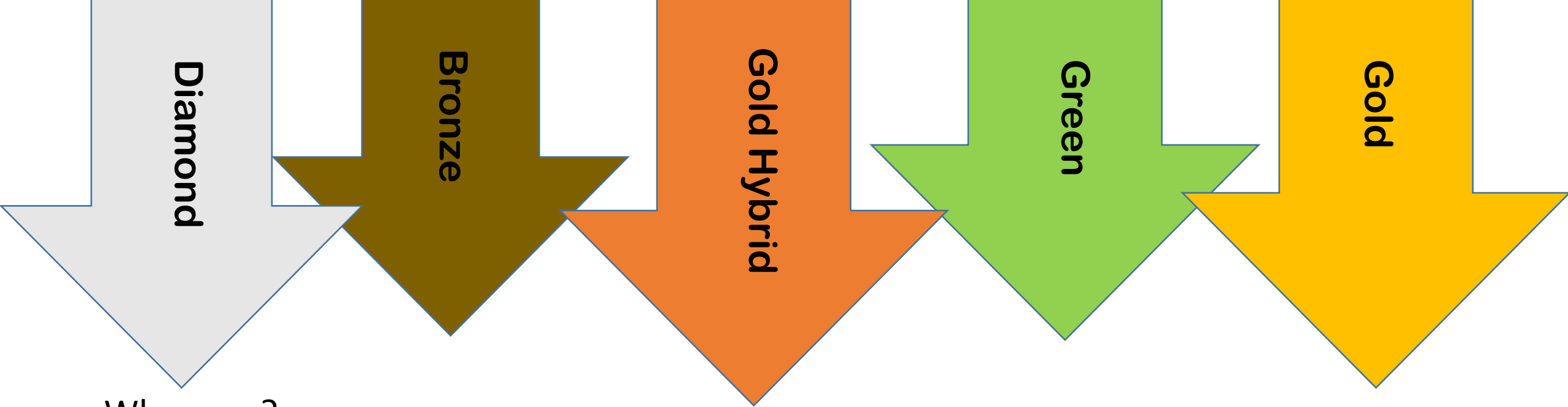
2022



- 18,141 OA journals
- Over 6,000 repositories
- Nearly 8 million OA articles









OpenDOAR





- Who pays?
- Which version of the work?
- Where do users go to read the work?
- What is the embargo period?
- Who holds the copyright?
- Which Creative Commons license?
- Can the work be reused?
- Are the contents of the work machine readable?

**Answers to
questions determine
Open Access**

Access	Reader Rights	Reuse Rights	Copyrights	Author Posting Rights	Automatic Posting	Machine Readability	Access
 OPEN ACCESS 	Free readership rights to all articles immediately upon publication	Generous reuse & remixing rights (e.g., CC BY license)	Author holds copyright with no restrictions	Author may post any version to any repository or website	Journals make copies of articles automatically available in trusted third-party repositories (e.g., PubMed Central) immediately upon publication	Article full text, metadata, citations, & data, including supplementary data, provided in community machine-readable standard formats through a community standard API or protocol	 OPEN ACCESS 
	Free readership rights to all articles after an embargo of no more than 6 months	Reuse, remixing, & further building upon the work subject to certain restrictions & conditions (e.g., CC BY-NC & CC BY-SA licenses)	Author holds copyright, with some restrictions on author reuse of published version	Author may post final version of the peer-reviewed manuscript ("postprint") to any repository or website	Journals make copies of articles automatically available in trusted third-party repositories (e.g., PubMed Central) within 6 months	Article full text, metadata, citations, & data, including supplementary data, may be crawled or accessed through a community standard API or protocol	
	Free readership rights to all articles after an embargo greater than 6 months	Reuse (no remixing or further building upon the work) subject to certain restrictions and conditions (e.g., CC BY-ND license)	Publisher holds copyright, with some allowances for author and reader reuse of published version	Author may post final version of the peer-reviewed manuscript ("postprint") to certain repositories or websites	Journals make copies of articles automatically available in trusted third-party repositories (e.g., PubMed Central) within 12 months	Article full text, metadata, & citations may be crawled or accessed without special permission or registration	
	Free and immediate readership rights to some, but not all, articles (including "hybrid" models)	_____	Publisher holds copyright, with some allowances for author reuse of published version	Author may post submitted version/draft of final work ("preprint") to certain repositories or websites	_____	Article full text, metadata, & citations may be crawled or accessed with permission	
 CLOSED ACCESS 	Subscription, membership, pay-per-view, or other fees required to read all articles	No reuse rights beyond fair use/ limitations & exceptions to copyright (all rights reserved copyright) to read	Publisher holds copyright, with no author reuse of published version beyond fair use	Author may not deposit any versions to repositories or websites	No automatic posting in third-party repositories	Article full text & metadata not available in machine-readable format	 CLOSED ACCESS 

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Open Scholarship



Reframe Open
Access to Open
Scholarship

Open Access = Open Scholarship

Washington University in St. Louis is committed to making its **scholarship** and creative works freely and **easily available to the world community**.

Open Access Resolution

Adopted by the Faculty Senate Council: December 21, 2010

Approved by the Faculty Senate: May 9, 2011

The Faculty of Washington University in St Louis is committed to making its scholarship and creative works freely and easily available to the world community. Faculty members are encouraged to seek venues for their works that share this ideal. In particular, when consistent with their

of the Faculty should endeavor to:

to retain the right to use his or her own work and to deposit al repository or another depository, which is freely accessible

accepted, peer-reviewed publications to one of the University's onsistent with the copyright agreement; and

works committed to free and unfettered access (often referred whenever consistent with his or her professional goals.

y articles authored or co-authored by a member of the y.

Faculty Senate adopts Open Access Resolution

Goal is to promote broad dissemination of research, discoveries

June 28, 2011

[Washington University Faculty Senate Open Access Resolution, 2011](#)

Washington University Open Access Resolution

Faculty are encouraged to:

- Amend copyright agreements to retain the right to use his or her own work and to deposit such work in a digital repository, which is freely accessible to the general public;
- Submit a final manuscript of accepted, peer-reviewed publications to one of the University's digital repositories;
- Seek publishers for his or her works committed to free and unfettered access whenever consistent with his or her professional goals.

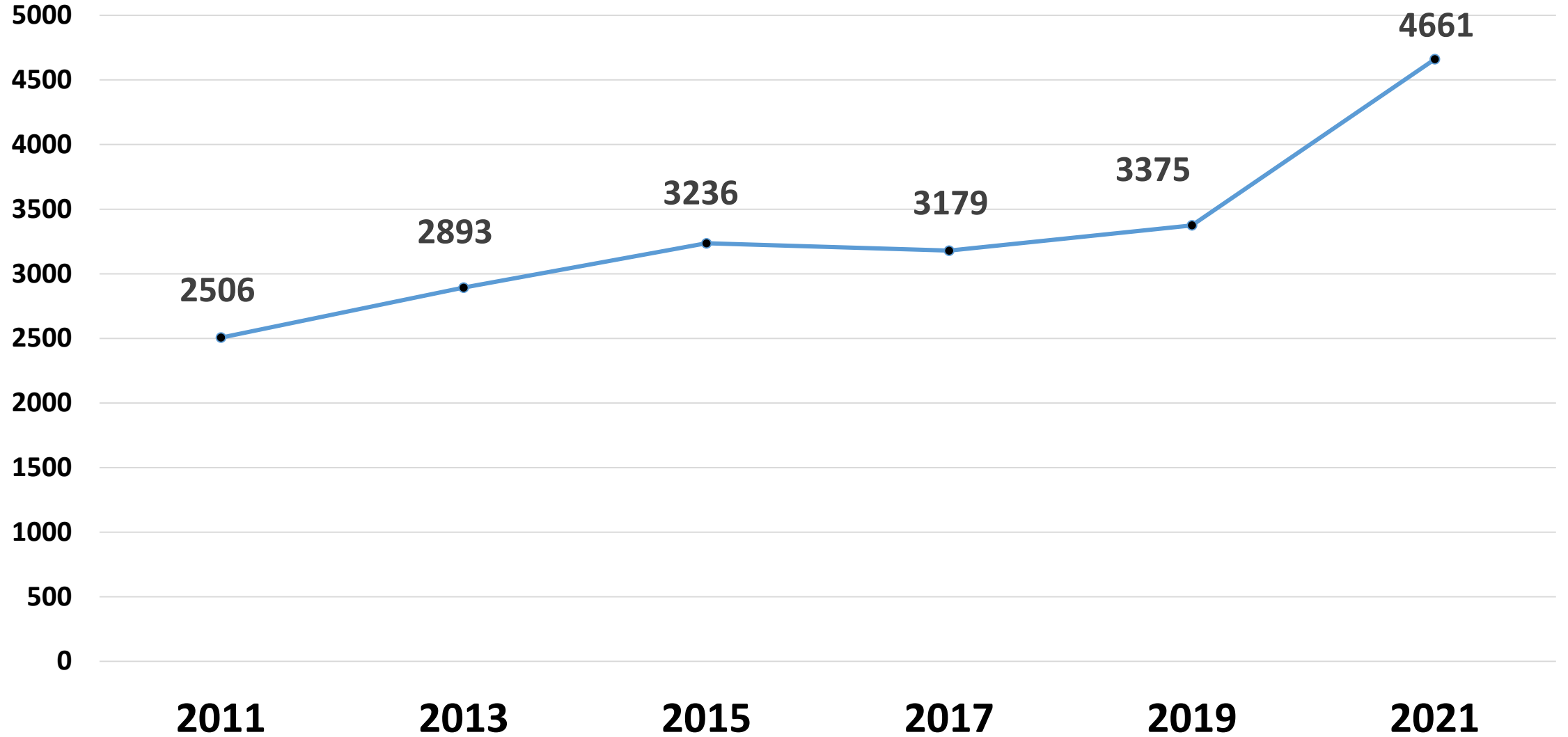


Publishing Overview: WUSM 2011-2021



Scopus

WUSM Publications: 2011 to 2021



Publishing Overview: WUSM 2011-2021

Top 15 journals

PloS One	618
PloS	389
Nature Communications	299
Scientific Reports	279
JNCCN	278
Journal Of Biological Chemistry	277
Blood	189
Medical Physics	188
Nature	187
Journal Of Immunology	180
Journal Of Neuroscience	175
Cell Reports	171
Journal Of Clinical Oncology	152
Cell	145
Annals Of Thoracic Surgery	142

35,875 peer-reviewed publications

Article	29,844
Review	4,697
Conference Paper	1,052
Short Survey	282

Countries represented by co-authors



Languages represented by publications

-
- English
 - Spanish
 - German
 - Hungarian
 - Japanese
 - Portuguese
 - Chinese
 - French
 - Croatian
 - Czech
 - Russian
 - Slovenian
-

Open Scholarship: Journal Publishing @WUSM

Open Scholarship: Journal Publishing Options



1. Author publishes in an all-Open Access journal (Gold).

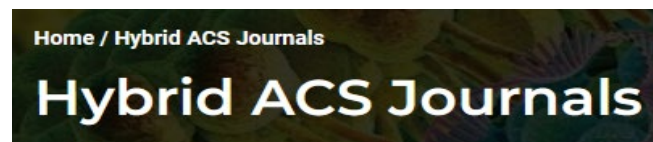


Author pays Article Processing Charge (APC) to Publisher.

\$\$



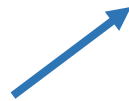
2. Author publishes in a subscription journal that offers Open Access options (Hybrid).



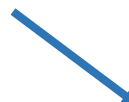
Immediate access to the **final published version**; no embargo period.

Content is reusable by others.

Open Scholarship: Journal Publishing Options



3. Author publishes in a subscription journal that provides access to **final published version** on the journal website (Bronze).



4. Author publishes in a subscription journal and deposits **final, peer-reviewed manuscript** to a repository (Green).

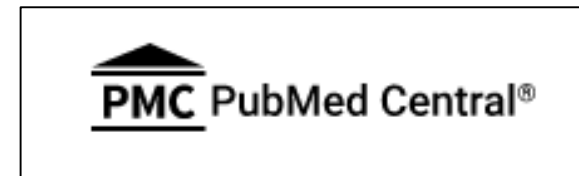


Research Articles are freely available 6 months after publication.

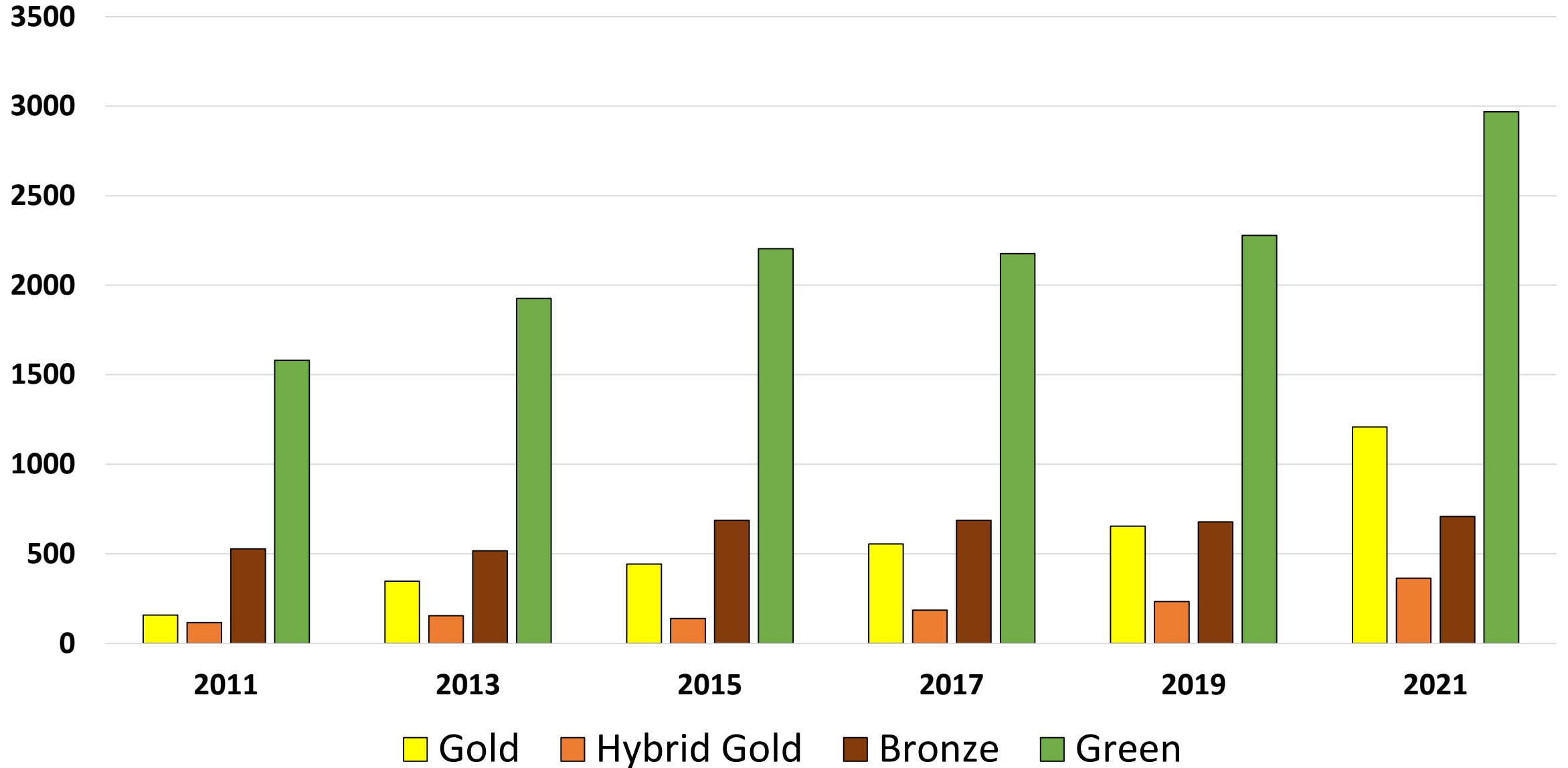


Access to the work may be subject to an embargo period.

Reuse depends on copyright.



Open Scholarship at WUSM: 2011-2021



Publishing Overview: WUSM 2011-2021



<https://www.flickr.com/photos/jpcorreacarvalho/3512862549>

**Approx. 75% of
WUSM publications
followed Open
Scholarship practices.**

*Based on Scopus data.

Becker Library Support for Authors



Digital Commons@Becker

Digital Commons@Becker is the digital repository for Washington University School of Medicine.

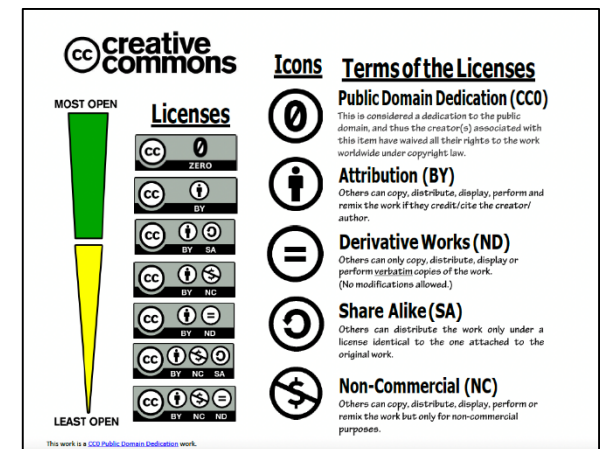
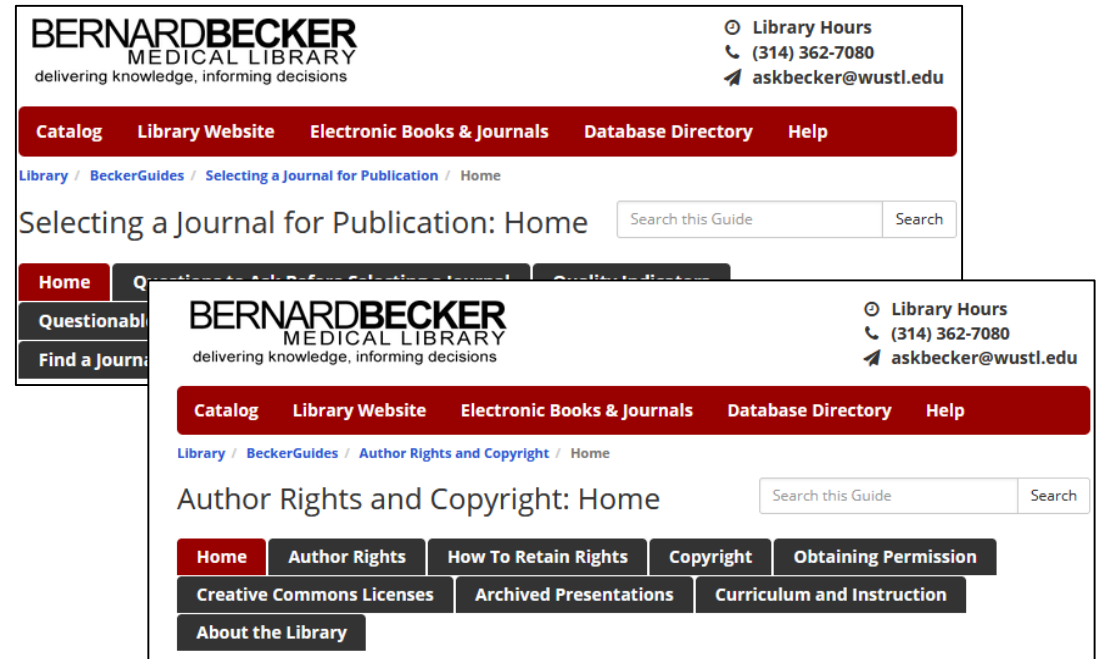
- Open access platform designed to showcase and promote the scholarly work of our faculty, research centers, and education programs.
- Becker Library staff will create and maintain customized collections; peer-reviewed publications, data, abstracts, presentations, posters, and multimedia files.

OPEN ACCESS PUBLICATIONS

<https://digitalcommons.wustl.edu/>

Publishing and Copyright Guidance

- Creative Commons licenses
- Open Access
- Copyright
- Selecting a journal
- Preprints
- Finding images/content from the public domain



<https://beckerguides.wustl.edu/>

Waiver or Discount of Article Processing Charges (APCs)

Open Access : Discounts on Article Processing Charges (APCs)

Open Access (OA) **OA Resolution at WU** **Discounts on Article Processing Charges (APCs)**

Elsevier Discounts on Article Processing Charges (APCs) **Open Access Journals** **Selecting a Journal for Publication**

Other Open Access Initiatives

Journals that Offer Discounts on Article Processing Charges (APCs)

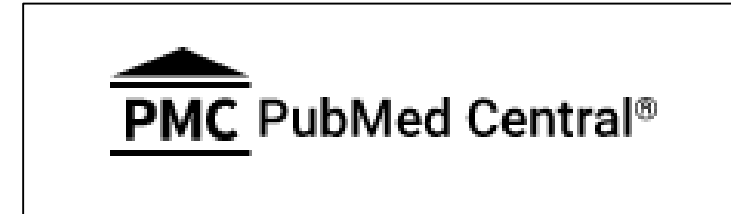
The [Washington University Open Access Resolution](#), passed in 2011, encourages faculty to make their journal articles freely and easily available to the world community. Publishing journal articles with an Open Access license is one way to promote accessibility. To help support faculty authors, Washington University Libraries and Becker Medical Library have memberships or agreements with publishers and select journal titles that provide discounted article processing charges (APCs) for open access publications or for some publishers, a waiver from APCs. Other discounts are available for authors with personal memberships to organizations. Faculty authors who are members of organizations that publish journals should check with the journal to confirm discounts or waiver of APCs for members.

Please contact [Cathy Sarli](#) if you need assistance with locating Open Access journals for your field of study.

JOURNAL/PUBLISHER	FEE INFORMATION	INFORMATION	WU or WUSM STATUS
Association for Computing Machinery (ACM)	Corresponding authors from a subscriber institution are entitled to a waiver of APCs for works published in ACM publications. (January 1, 2020 to December 31, 2022)	ACM Open	WU and WUSM are subscriber institutions.

<https://beckerguides.wustl.edu/openaccess/discounts>

Public Access Mandate Support



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NIH Public Access Policy: Home

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Welcome

Welcome to the guide for the NIH Public Access Policy.

If you are looking for information on other public access policies:

- [Public Access Policies: Foundations, Charities and Organizations](#)
- [Public Access Policies: Other Federal Agencies \(non-NIH\)](#)

<https://beckerguides.wustl.edu/nihpolicy>

Data Management and Sharing Support

Data Management and Sharing

Becker Library partners with the [Institute for Informatics](#) to provide educational offerings and support services around data management and sharing to the Washington University Medical Center community. Please contact Chris Sorensen at sorensenc@wustl.edu or Seonyoung Kim at seonyoung.kim@wustl.edu with any questions.

Sign up for the [Data Management and Sharing mailing list](#) to receive related news and training offerings from Becker Library.

<https://becker.wustl.edu/services/data-management-and-sharing/>

Monitoring Trends


2022 OSTP Memo: Ensuring Free, Immediate and Equitable Access to Federally Funded Research



EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

August 25, 2022

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Dr. Alondra Nelson 
Deputy Assistant to the President and Deputy Director for Science and Society
Performing the Duties of Director
Office of Science and Technology Policy (OSTP)

SUBJECT: Ensuring Free, Immediate, and Equitable Access to Federally Funded Research

This memorandum provides policy guidance to federal agencies with research and development expenditures on updating their public access policies. In accordance with this memorandum, federal agencies, to the extent consistent with applicable law:

access policies as soon as possible, and no later than December 31st,
publications and their supporting data resulting from federally funded
accessible without an embargo on their free and public release;
ent procedures that ensure scientific and research integrity is
ic access policies; and,
STP to ensure equitable delivery of federally funded research results

Publications and data supported by federal funding are to be “publicly accessible without an embargo on their free and public release.”

Expanded definition of a “publication.”

Open Scholarship Strategies for Authors

Open Scholarship

- Publish under an Open Access license or retain the rights to the peer-reviewed manuscript version of the work.
- Submit final, peer-reviewed manuscripts and other research products to Digital Commons@Becker.
- Publish in a journal that provides access to content after an embargo period.
- Post a preprint/manuscript to a preprint server.
- Use content governed by Creative Commons or in the public domain.
- Share data and software.



Publishing and Open Access

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Digital Commons@Becker

Brittney Sandler

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Becker Blog

<https://becker.wustl.edu/news/>

Version	Manuscript/Definitions
Pre-Print	Manuscript <i>before</i> peer review; also called the submitted version.
Post-Print	Manuscript <i>after</i> peer review that includes changes made by the author as a result of the peer review process; AKA: final, peer-reviewed manuscript.
Galley Proof	The publisher's draft copy of the published version sent to the author for review before publishing.
Final	The publisher's final version of the manuscript and includes the DOI, publisher icons, pagination, graphics, etc. Also called the "version of record."



Recommendation: Retain copies of your final, peer-reviewed manuscripts.

Term	Definition
APC	Article Processing Charge (APC) is a fee that authors pay for Open Access publications.
DOI	A Digital Object Identifier (DOI) is a unique identifier number for publications including interim research products in electronic format.
ISSN	An International Standard Serial Number (ISSN) is a unique identifier number for journals in print or electronic format.
OA	Open Access (OA) is a publishing model that allows the full-text of research outputs to be freely available to users without a subscription and is governed under a license to allow for reuse. Most OA works require payment of an Article Processing Charge (APC) by the author.
PMC	PubMed Central (PMC) is a free full-text repository of biomedical and life sciences journal literature. NIH-funded works are required to be in PMC.
PMCID	A PubMed Central Identifier (PMCID) is a unique identifier number. All publications in PubMed Central have a PMCID. A PMCID serves as documentation of compliance with the NIH Policy and is required within three months of publication.

Journal Color	Definition
Gold	Journal that publishes all Open Access content. Article Processing Charge (APC) is required from author.
Gold Hybrid	Subscription journal that includes a mix of subscription-based content and Open Access content. Article Processing Charge (APC) is required from author. Also called a Hybrid Journal.
Bronze	Subscription journal that makes subscription-based content freely available on the journal website (may be subject to an embargo).
Green	Journal that posts subscription-based content in a repository or allows authors to submit to a repository.
Diamond	Journal that publishes all Open Access content with no Article Processing Charge (APC) required from author.



Bernard Becker Medical Library

660 S. Euclid Avenue | Campus Box 8132 | St. Louis, MO 63110