

UCSF

Presentations

Title

Increasing Access: Federally Funded Research Results

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Increasing Access: Federally Funded Research Results

Anneliese Taylor, UCSF Library

ALA Annual Conference, San Francisco, June 27, 2015

UCSF Overview



“UCSF Parnassus Campus” by Euan Slorach, [CC.BY. NC.ND 2.0](#)

- Founded 1868
- Health sciences university
- UC system
- 3,000 students
- 22,000 faculty & staff
- 2nd highest recipient of NIH funding (\$547 M)

UCSF – Mission Bay



[“UCSF Mission Bay Community Center”](#) by Pax Gethen
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[“UCSF Hospital”](#) by throggers
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OSTP Memo

- White House Office of Science & Technology Policy (OSTP)
- February 22, 2013 Memorandum, “Increasing Access to the Results of Federally Funded Scientific Research”
- Federal agencies with more than \$100M in R&D expenditures must develop plans to:
 - Make published results of funded research freely available within one year; and
 - Better account for and manage data
- <http://1.usa.gov/1Rs3Bi4>

Executive Directive

- Data: accessible to search, retrieve, and analyze
- Framework for standards on accessibility, preservation, metadata, machine readability, and more
- Leverage existing archives where appropriate
- Up to each agency to determine system
- Public-private collaboration encouraged
- Affects 24 agencies

A word cloud of US federal agency acronyms. The acronyms are arranged in a roughly rectangular shape, with some overlapping. The colors are varied, including red, green, purple, orange, yellow, and dark red. The acronyms include: DOE, HHS, DOI, FDA, SI, DHS, NIST, NASA, USAID, ODNI, VA, CDC, ED, USDA, AHRQ, NOA, ANIH, ASPR, DOT, EPA, and DoD.

DOE HHS DOI FDA SI
DHS NIST NASA USAID ODNI VA CDC
ED USDA AHRQ NOA ANIH ASPR DOT
EPA DoD

Where are we now?

- Draft plans submitted to OSTP and OMB – 2013
- November 2014 update <http://1.usa.gov/1eIlgGw>
- Labor, Education, and HHS public access policy codified into law
- 15 agencies have released their policies



[“Time is running out”](#) by Shemsu.Hor, CC BY-ND 2.0

Funder	Implementation Date	Release Period for Results	Article Location	Dataset Location
AHRQ	Feb 2015 (A), Oct 2015 (D)	Within 12 months (A), with article publication (D)	PubMed Central	TBD
CDC	Jul 2013 (A), Oct 2015 (D)	Within 12 months (A), with article publication/within 30 months of collection (D)	CDC Stacks	Many options, preferred TBD
DOD	estimate fiscal year 2015	Within 12 months (A), within a reasonable time (D)	Defense Technical Information Center	none - use public repositories
DOE	Oct 2014 (A) Oct 2015 (D)	Within 12 months (A), with article publication (D)	Indexing: PAGES. Articles at either: 1) publisher, 2) local repository, 3) OSTI.	OpenEI for EERE, otherwise researcher choice

<http://bit.ly/FedOASummary>



Public Access Policy @ UCSF

- High number of NIH awards
- Change in enforcement of policy compliance (2013)
- Research Management Services collaboration
- Consultations & training
- Increased engagement with groups on campus

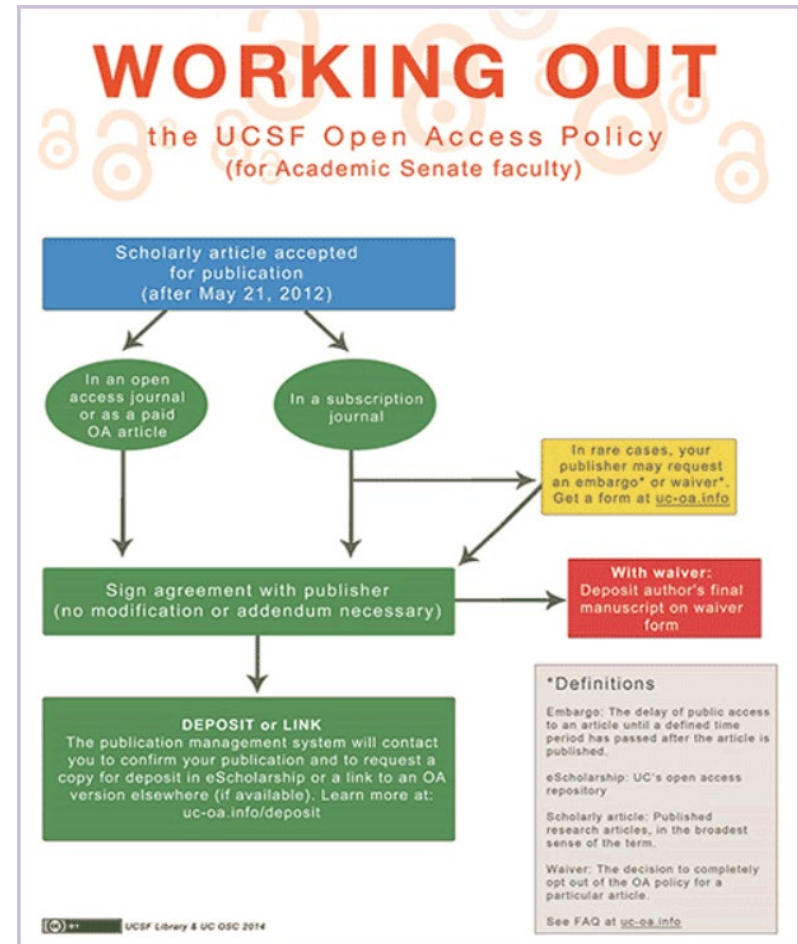
Supporting all Federal Funders



[“Magic Roundabout, Splott, Cardiff”](#) by Alan Newman, CC BY-NC 2.0

And then there's the... Institutional Open Access Policy

- Passed May 2012 at UCSF
- UC-wide policy July 2013
- Academic Senate faculty only
- <http://tiny.ucsf.edu/oapolicy>



Data Sharing



- Data, “the new currency for research”
- Addresses reproducibility
- Benefit to society from novel discoveries and big data mining

[“Open Data Stickers”](#) by Jonathan Gray, CC BY-SA 2.0

Using Public Data Repositories



UCSF LIBRARY
and Center for Knowledge Management

[University of California, San Francisco](#) / [LibCal](#) / [Library Classes](#) / [Genomic Data Repositories & Analysis Resources \(Mission Bay\)](#)

Genomic Data Repositories & Analysis Resources (Mission Bay)



There is a wealth of publicly available genomic data out there in the form of microarray and RNA-Seq datasets. Do you know how to find it? How to take advantage of it to identify genes associated with phenotypes and diseases of interest? Reanalyze it to help validate your own novel discoveries?

This 90-minute class will introduce you to the rapidly changing landscape of genomic data repositories (e.g. GEO, ArrayExpress, TCGA, etc.), and software tools that enable analysis of publicly available genomic data.

We will finish with a public gene expression reanalysis use case that shows you how to:

- Search the Gene Expression Omnibus for datasets of interest
- Identify free tools to analyze raw data and generate a list of differentially expressed genes
- Use analysis tools to interpret that gene list in a biological context

Data Resources

- re3data.org – data repository registry
- Making Open & Machine Readable the new Default for Government Information - Exec Order 13642, May 9, 2013
- Open Data Policy: Managing Information as an Asset – OMB Memorandum, May 9, 2013
- Project Open Data, <https://project-open-data.cio.gov/>
- Data.gov <http://www.data.gov/>

Additional Helpful Links

OSTP Public Access Policy Forum:

<http://1.usa.gov/1GJIrdE>

SPARC's resource page on the directive:

<http://bit.ly/1FFtggw>

CHORUS' resource page: <http://bit.ly/1J6XL3L>

Thank you!

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