RAU:
Research Administration Update

October 23, 2019
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Lamar Soutter Library
Happy Open Access Week!

Open for Whom? Equity in Open Knowledge

OCTOBER 21-27
Tools to Improve your Workflow

- Biosketch
- PubMedCentral
- NCBI Account
- RPPR
- eRA Commons
- Publication Lists
- H-Index
- Profiles
- Summit
- Metrics
Agenda

- **ORCID**
  - What is an ORCID?
  - NIH notice about ORCIDs
  - How to add ORCID to eRA Commons

- **NIH Biosketches & SciENcv**

- **Research Profiles**

- **Tracking Research Impact**
  - H-index
  - Journal Impact Metrics
  - Altmetrics
PubMed 2.0 to be launched later this year.
See the Changes in PubMed Labs!

What is ORCID?

- “Open Researcher and Contributor ID” … an independent non-profit organization supported by member fees
- ORCID provides
  - Registry of unique persistent identifiers
  - APIs that support system-to-system communication/authentication
  - A unique identifier for a researcher that can be used to:
    - Disambiguate author names
    - Associate all works with the right author
    - Enable discoverability within and across databases
    - Manage records of publication outputs across funders, universities, journals …

https://orcid.org/0000-0002-4116-1279
Journal websites are linking author names to their ORCID profiles
NIH, AHRQ, and CDC now require ORCID iDs for fellows and trainees

NIH, CDC, and AHRQ released Notice Number NOT-OD-19-109 on July 10, 2019, regarding the mandatory use of ORCID identifiers for individuals supported by research training, fellowship, research education, and career development awards. Individuals will be required to not only have an ORCID iD, but also to link the ORCID iD to their eRA Commons Personal Profile (instructions).
How to link ORCID to eRA Commons
How to link ORCID to eRA Commons

Login to ORCID account, or create an ORCID account
How to link ORCID to eRA Commons

Authorize linking the ORCID to eRA Commons
How to link ORCID to eRA Commons

Success!
How?
3 easy steps

1. Register for an ORCID ID
2. Connect your ID to your work
3. Use your ID in grants, publications, datasets and more

Register today at orcid.org
Grant access to trusted individuals

See: [https://support.orcid.org/hc/en-us/articles/360006973613-Add-a-trusted-individual-to-your-account](https://support.orcid.org/hc/en-us/articles/360006973613-Add-a-trusted-individual-to-your-account)
Add info to the profile (and make it public)

Info and guidance at: https://libraryguides.umassmed.edu/research_impact/orcid
NIH Biosketches & SciENcv
Important elements for using SciENcv

• eRA Commons login and password

• NCBI account login and password (if you don’t have an eRA login)

• NCBI’s My Bibliography

• CV or current biosketch
NIH biosketch

Required for all NIH and AHRQ applications for research grants

Applicants encouraged to use SciENcv tool (Science Experts Network Curriculum Vitae)

Forms, instructions, and sample biosketches: https://grants.nih.gov/grants/forms/biosketch.htm

FAQ: https://grants.nih.gov/grants/policy/faq_biosketches.htm


Library’s biosketches & SciENcv resource guide https://libraryguides.umassmed.edu/NIH/SciENcv
Biosketch elements

- Section A “Personal Statement” with list of up to 4 publications or research products
- Section B “Positions and Honors”
- Section C “Contributions to Science” to describe up to 5 of your most significant contributions to science, each with no more than 4 citations
- Section D “Research Support” with list of ongoing and completed research projects from past 3 years
- Biosketch page limit: 5 pages

REMEMBER:
- Figures or graphics are not allowed
- Do not embed or attach files
- Use PDF format to submit with your application
NCBI SciENcv
An integrated biosketch generator

https://www.ncbi.nlm.nih.gov/books/NBK154494/
Finding SciENcv

On your NCBI Dashboard page, look for SciENcv in the bottom right.
NCBI My Bibliography
An integrated bibliography manager

Link your ORCID iD to your eRA Commons Personal Profile (instructions)

https://orcid.org/
SUMMIT
Biosketch View – Institutional data for research support

https://www.umassmed.edu/financialservices/business-tools/
Getting started

• Step 1: My NCBI account
  ○ Do you already have a My NCBI account?
  ○ Is your account linked to eRA Commons?

• Step 2: My Bibliography
  ○ Are your citations up to date?

• Step 3: Use SciENcv to generate a master biosketch

For instructions and guidance, see: https://libraryguides.umassmed.edu/NIH/SciENcv
SciENcv tips

• Create a **Master Biosketch** that you can copy and edit for subsequent biosketches/proposals.

• Create your initial biosketch from **eRA Commons, NSF or ORCID** to pull in grant, employment, and publications information.

• Sections A and C have functionality to edit descriptions and select publications through **My Bibliography**.
  • Note that Section C allows you to create a tab for each contribution.
  • You can add, delete, and edit contributions as needed.

• Try not to export and modify Word versions of the biosketch.
  • The value of SciENcv is that it can house all of your data, which can then be reused within the system to create new biosketches.
  • You can save multiple biosketches within SciENcv.
Adding positions and honors

Education and employment information are pulled in from eRA Commons or other linked accounts if available; you can edit as needed.

Manually enter additional experience as needed.
Adding personal statement

A text editor will open where you can key or paste in your statement. SciENcv uses Markdown syntax for simple formatting, if needed.

Click “Select Citations” to open a window to your My Bibliography. Select up to four citations to support your personal statement.
Adding publications

Describe up to 5 of your contributions to science and include 4 publications in support of each.

Click to edit the description of your contribution to science

Click to add publications from your My Bibliography

Click to create public link to your complete My Bibliography
Adding awards

Grant information will be automatically imported from NIH and other linked accounts if available.

Manually enter non-NIH or other awards.
Adding NCBI delegates

In your NCBI Account settings, click “Add a Delegate” in the Delegates box. You only need the email address of the person you are making a delegate.

The default, once the delegate confirms, is access to both My Bibliography and SciENcv.
Research Profiles
Identity platforms

- Profiles
- NIH Biosketches
- ORCID
- Google Scholar
- Scopus
- LinkedIn
- Collaboration Networks
  - ScienceOpen | ResearchGate | Academia.edu | Mendeley

Profile fatigue?
A word about ResearchGate & Academia.edu

<table>
<thead>
<tr>
<th></th>
<th>Open access repositories</th>
<th>Academia.edu</th>
<th>ResearchGate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supports export or harvesting</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Long-term preservation</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Business model</td>
<td>Nonprofit (usually)</td>
<td>Commercial. Sells job posting services, hopes to sell data</td>
<td>Commercial. Sells ads, job posting services</td>
</tr>
<tr>
<td>Sends you lots of emails (by default)</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Wants your address book</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

A Social Networking Site Is Not an Open Access Repository

Recreated from University of California OSC under CC BY license
(Office of Scholarly Communication, University of California)
Tracking Research Impact
Metrics measure scholarly influence and impact through the attention a research product receives.

Traditional
- Impact Factor
- H-Index
- Citation Counts
- SNIP
- SJR

Article-level
- Downloads
- Page views
- Saves
- Tweets
- Likes
- Demographics
- Bookmarks
- Mentions
- F1000 Score

Other
- Data Sets
- Data Citations
- Software
- Reviewing
- Supervision
- Curricula
- Patents
- Service
How to use metrics

- To help tell the research story
  - CVs
  - Grant Proposals/ Biosketches
  - Tenure and Promotion Packages
- Be selective
- Provide context to make metrics meaningful
- Include qualitative data
Research impact statements

Consider statements that highlight the influence of your research and provide contextual information, such as including citation counts and “article-level” metrics

**Highlight your full range of outputs**

“This project produced 11 non peer-reviewed articles, 2 reports for policy makers, 4 magazine articles, 3 local newspaper articles, 23 presentations to a variety of policy and academic audiences, and 2 book chapters.”

“This project resulted in 10 peer-reviewed articles, 2 national presentations, and 4 international presentations.”

**Highlight the impact of one or more outputs**

“The paper describing this work is listed below and has been cited >300 times (Scopus).”

“Collectively the 4 papers listed below have been cited more than 1,200 times by Scopus (1,100 by WoS).”

**Highlight successful dissemination**

“The 21 publications resulting from this work have been cited by 750 subsequent works by investigators in 47 countries, and in 7 languages around the world (Scopus).”

Traditional or Citation-Based Metrics

I’ll give you a cookie....
H-index

Scholar has index $h$ if $h$ papers have been cited at least $h$ times

This author's $h$-index is 23

The $h$-index is based upon the number of documents and number of citations.
Journal-based metrics

- Impact Factor
- SCImago Journal Rank
- Source Normalized Impact per Paper

4000 micro-level fields of science

A/B = Impact Factor

\[ A = \text{cites by all indexed articles in a given year to articles published in a specific journal in the two preceding years.} \]

\[ B = \text{total number of articles published by that journal in that time period} \]

\[ SJR2_i = \frac{PSJR2_i}{\left(\frac{Art_i}{\sum_{j=1}^{N} Art_j}\right)} = \frac{PSJR2_i}{Art_i} \cdot \sum_{j=1}^{N} Art_j \]
Journal-based metrics

- Impact Factor
- SCImago Journal Rank
- Source Normalized Impact per Paper
New England Journal of Medicine
Scopus coverage years: from 1945 to Present
Publisher: Massachusetts Medical Society
ISSN: 0028-4793 E-ISSN: 1533-4406
Subject area: Medicine: General Medicine

CiteScore 2018
16.10

SJR 2018
19.524

SNIP 2018
13.000

CiteScore rank
Category: Medicine
General Medicine
Rank: 2556
Percentile: 99th

View CiteScore trends
Add CiteScore to your site
altmetrics
encapsulates the collection of multiple digital indicators related to scholarly work. These indicators are derived from activity and engagement among diverse stakeholders and scholarly outputs in the research ecosystem, including the public sphere.

Molecular Cell

How To Choose a Good Scientific Problem

Choosing good problems is essential for being a good scientist. But what is a good problem, and how do you choose one? The subject is not usually discussed explicitly within our profession. Scientists are expected to be smart enough to figure it out on their own and through the observation of their teachers. This lack of explicit discussion leaves a vacuum that can lead to approaches such as choosing problems that can give results that merit publication in valued journals, resulting in a job and tenure.

Main Text

The premise of this essay is that a fuller discussion of our topic, including its subjective and emotional aspects, can enrich our science, and our well-being. A good choice means that you can competently discover new knowledge that you find fascinating and that allows self-
Demo

Altmetric Explorer for Institutions
Other Resources
Ask an Expert Series
Other library services

- Access to Resources
- Expert Searching
- Instruction and Consultations
- NIH Public Access Policy Compliance
- eScholarship@UMMS
- Archives

- Data cleaning
- Data visualization
- Research data management
- Copyright
- Authors rights
- Where to publish
- Scientific poster design
ORCID resources

Resource guide:
https://libraryguides.umassmed.edu/research_impact/orcid

ORCID help:
https://orcid.org/help

ORCID video tutorials
• How to register
• How to import works
Biosketches & SciENcv: Resources, forms & examples

Forms, instructions, and sample biosketches
https://grants.nih.gov/grants/forms/biosketch.htm

Biosketch FAQ

Library’s biosketches and SciENcv resource guide
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Library’s ORCID guide
http://libraryguides.umassmed.edu/research_impact/orcid

SciENcv help
https://www.ncbi.nlm.nih.gov/books/NBK154494/
Profiles and metrics resources

Resource Guide:
https://libraryguides.umassmed.edu/research_impact

Scopus

Altmetric Explorer for Institutions
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