



SciENCv Update

FDP Meeting

May 2015

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National Institute of Biomedical Imaging and Bioengineering and Office of Extramural Research

The New NIH Biosketch

Why?

- Allows applicants to:
- describe the magnitude and significance of their scientific contributions (including publications)
- provide more detailed information about their research experience in the context of the proposed project

NIH Biosketch spotter's guide

original format

BIOGRAPHICAL SKETCH
Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE		
eRA COMMONS USER NAME (credential, e.g., agency login)			

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY

updated format

BIOGRAPHICAL SKETCH
Provide the following information for the Senior/key personnel and other significant contributors.
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NAME:

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE:

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY

New NIH biosketch, Section A

I have the expertise, leadership, training, expertise and motivation necessary to successfully carry out the proposed research project. I have a broad background in psychology, with specific training and expertise in ethnographic and survey research and secondary data analysis on psychological aspects of drug addiction. My research includes neuropsychological changes associated with addiction. As PI or co-Investigator on several university- and NIH-funded grants, I laid the groundwork for the proposed research by developing effective measures of disability, depression, and other psychosocial factors relevant to the aging substance abuser, and by establishing strong ties with community providers that will make it possible to recruit and track participants over time as documented in the following publications. In addition, I successfully administered the projects (e.g. staffing, research protections, budget), collaborated with other researchers, and produced several peer-reviewed publications from each project. As a result of these previous experiences, I am aware of the importance of frequent communication among project members and of constructing a realistic research plan, timeline, and budget. The current application builds logically on my prior work. During 2005-2006 my career was disrupted due to family obligations. However, upon returning to the field I immediately resumed my research projects and collaborations and successfully competed for NIH support.

1. Malicka J, Gryczynski I, Gryczynski Z, Lakowicz JR. Effects of fluorophore-to-silver distance on the emission of cyanine-dye-labeled oligonucleotides. *Anal Biochem.* 2003 Apr 1;315(1):57-66. PubMed PMID: [12672412](#); PubMed Central PMCID: [PMC2753827](#).
2. Lakowicz JR, Malicka J, Gryczynski I. Increased intensities of YOYO-1-labeled DNA oligomers near silver particles. *Photochem Photobiol.* 2003 Jun;77(6):604-7. PubMed PMID: [12870845](#); PubMed Central PMCID: [PMC2753835](#).
3. Zhang J, Lakowicz JR. Metal-enhanced fluorescence of an organic fluorophore using gold particles. *Opt Express.* 2007 Mar 5;15(5):2598-606. PubMed PMID: [19532498](#); PubMed Central PMCID: [PMC2739992](#).
4. McNay EC, Ong CT, McCrimmon RJ, Cresswell J, Bogan JS, Sherwin RS. Hippocampal memory processes are modulated by insulin and high-fat-induced insulin resistance. *Neurobiol Learn Mem.* 2010 May;93(4):546-53. PubMed PMID: [20176121](#); PubMed Central PMCID: [PMC2878207](#).

New NIH biosketch, Section C

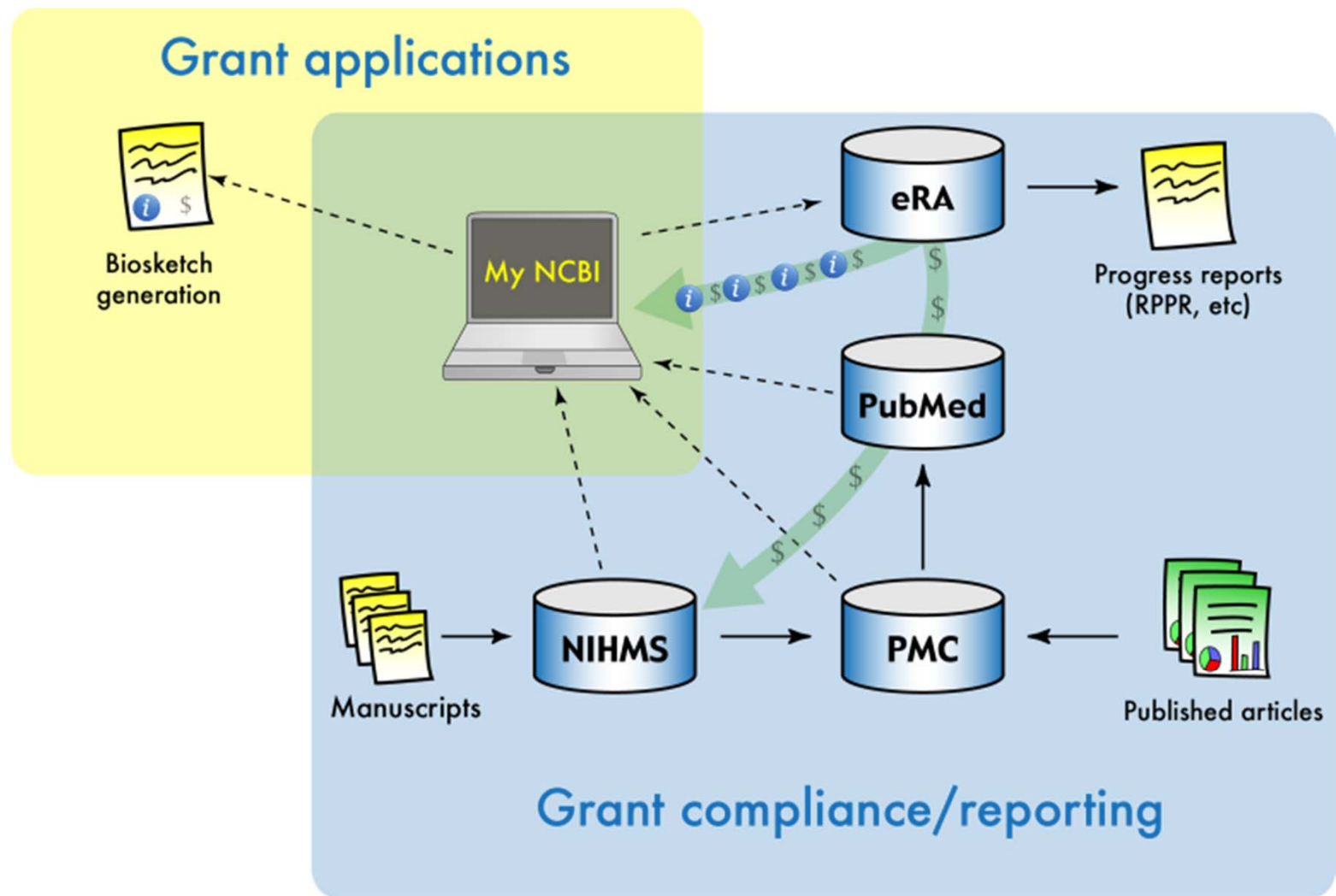
1. My early publications directly addressed the fact that substance abuse is often overlooked in older adults. However, because many older adults were raised during an era of increased drug and alcohol use, there are reasons to believe that this will become an increasing issue as the population ages. These publications found that older adults appear in a variety of primary care settings or seek mental health providers to deal with emerging addiction problems. These publications document this emerging problem but guide primary care providers and geriatric mental health providers to recognize symptoms, assess the nature of the problem and apply the necessary interventions. By providing evidence and simple clinical approaches, this body of work has changed the standards of care for addicted older adults and will continue to provide assistance in relevant medical settings well into the future. I served as the primary investigator or co-investigator in all of these studies.
 - a. Role of stereotactic radiosurgery in patients with more than four brain metastases. CNS oncology.
 - b. Neurodevelopmental Outcomes of Extremely Low Birth Weight Infants with Spontaneous Intestinal Perforation or Surgical Necrotizing Enterocolitis. the Journal of Perinatology.
 - c. Brodsky FM, Chen CY, Knuehl C, Towler MC, Wakeham DE. Biological basket weaving: formation and function of clathrin-coated vesicles. Annu Rev Cell Dev Biol. 2001;17:517-68. PubMed PMID: [11687498](#).
2. In addition to the contributions described above, with a team of collaborators, I directly documented the effectiveness of various intervention models for older substance abusers and demonstrated the importance of social support networks. These studies emphasized contextual factors in the etiology and maintenance of addictive disorders and the disruptive potential of networks in substance abuse treatment. This body of work also discusses the prevalence of alcohol, amphetamine, and opioid abuse in older adults and how networking approaches can be used to mitigate the effects of these disorders.
 - a. Geddes CD, Parfenov A, Lakowicz JR. Photodeposition of silver can result in metal-enhanced fluorescence. Appl Spectrosc. 2003 May;57(5):526-31. PubMed PMID: [14658678](#); PubMed Central PMCID: [PMC2737405](#).
 - b. Lakowicz JR, Malicka J, Gryczynski I. Increased intensities of YOYO-1-labeled DNA oligomers near silver particles. Photochem Photobiol. 2003 Jun;77(6):604-7. PubMed PMID: [12870845](#); PubMed Central PMCID: [PMC2753835](#).
 - c. Malicka J, Gryczynski I, Fang J, Lakowicz JR. Fluorescence spectral properties of cyanine dye-labeled DNA oligomers on surfaces coated with silver particles. Anal Biochem. 2003 Jun 15;317(2):136-46. PubMed PMID: [12758251](#); PubMed Central PMCID: [PMC2737417](#).

Complete List of Published Work in My Bibliography:

<http://dev.ncbi.nlm.nih.gov/myncbi/bart.trawick.1/bibliography/41256134/public/?sort=date&direction=ascending>

SciENcv Overview

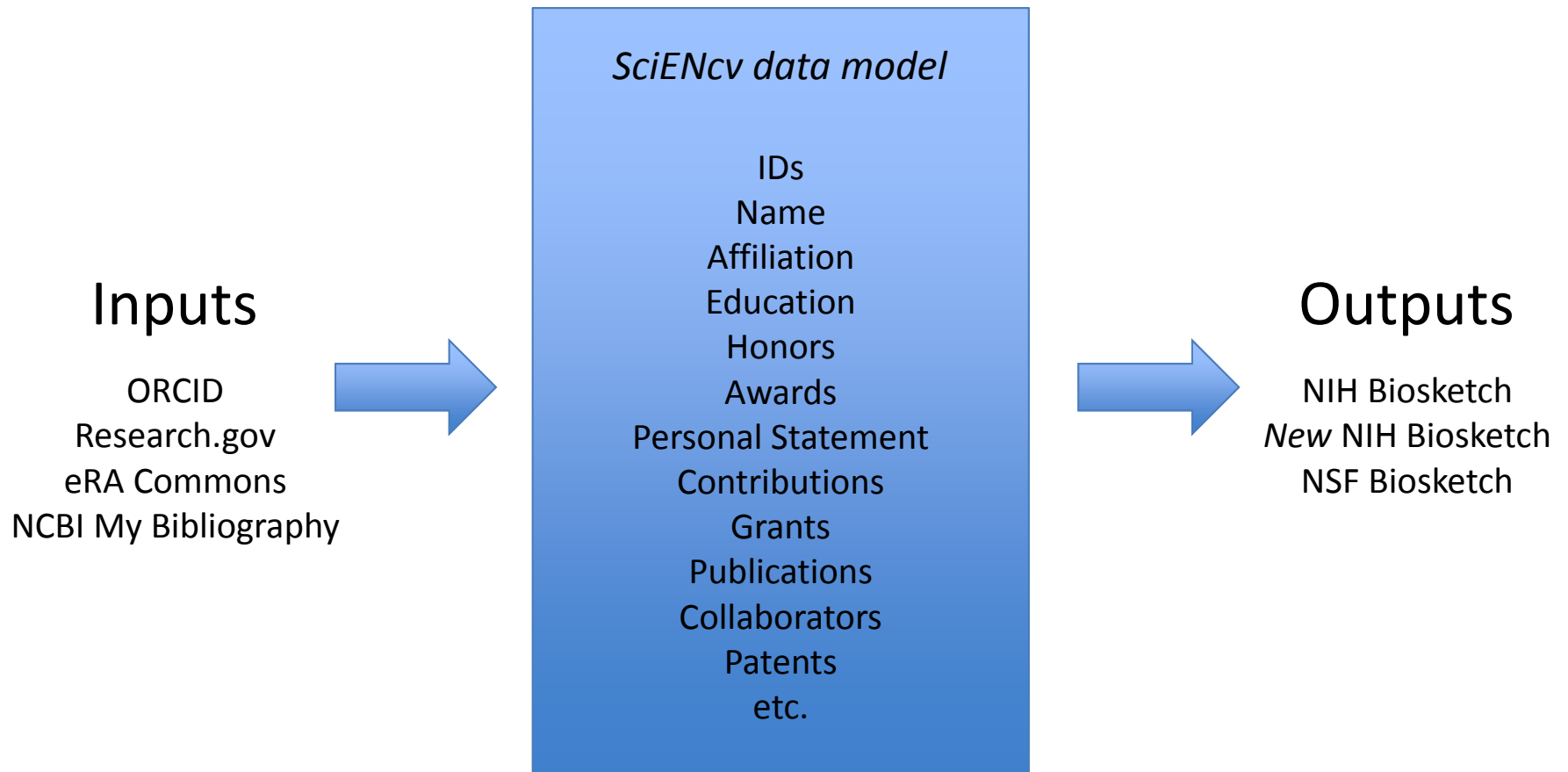
My NCBI tools assist users with NIH grant applications & reporting



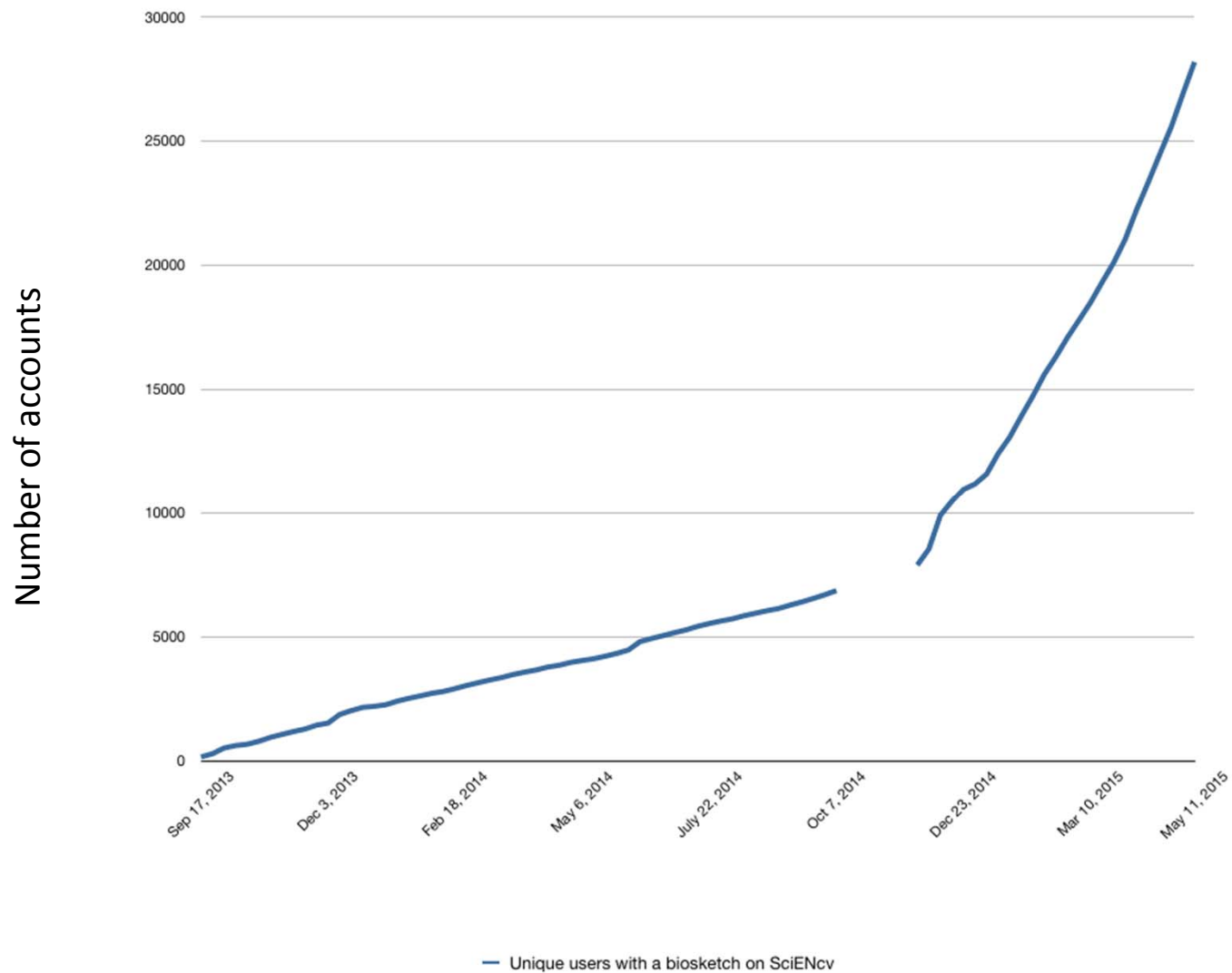
Questions sent in advance

- Can SciENcv import from ORCiD?
- Has the problem of not always staying within the NSF 2-page limit been solved?
- Can SciENcv import from EndNote and/or other reference management tools?
- What are folks to do whose disciplines do not naturally fall into MyNCBI?
- When will SciENcv scrape from public records like Google Scholar, ResearchGate, etc.?

SciENCv 2.7

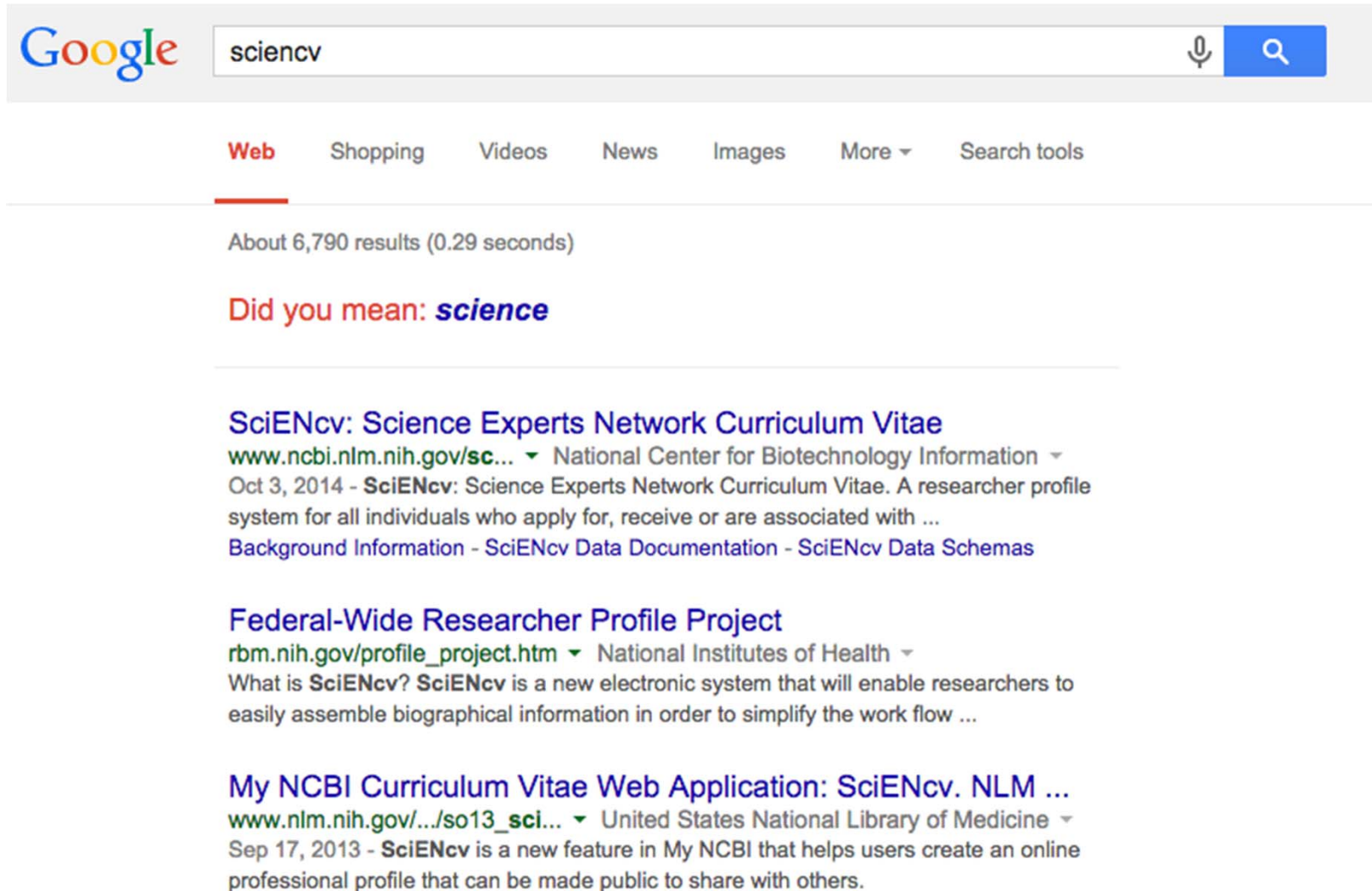


SciENCv growth



Linking Accounts with SciENcv

Where to start?



A screenshot of a Google search interface. The search bar contains the text "sciencv". Below the search bar, the "Web" tab is selected. The search results show "About 6,790 results (0.29 seconds)". A suggestion "Did you mean: **science**" is displayed. The first search result is titled "SciENCv: Science Experts Network Curriculum Vitae" and includes a link to "www.ncbi.nlm.nih.gov/sc...". The second result is titled "Federal-Wide Researcher Profile Project" and includes a link to "rbm.nih.gov/profile_project.htm". The third result is titled "My NCBI Curriculum Vitae Web Application: SciENCv. NLM ..." and includes a link to "www.nlm.nih.gov/.../so13_sci...".

Google

sciencv

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About 6,790 results (0.29 seconds)

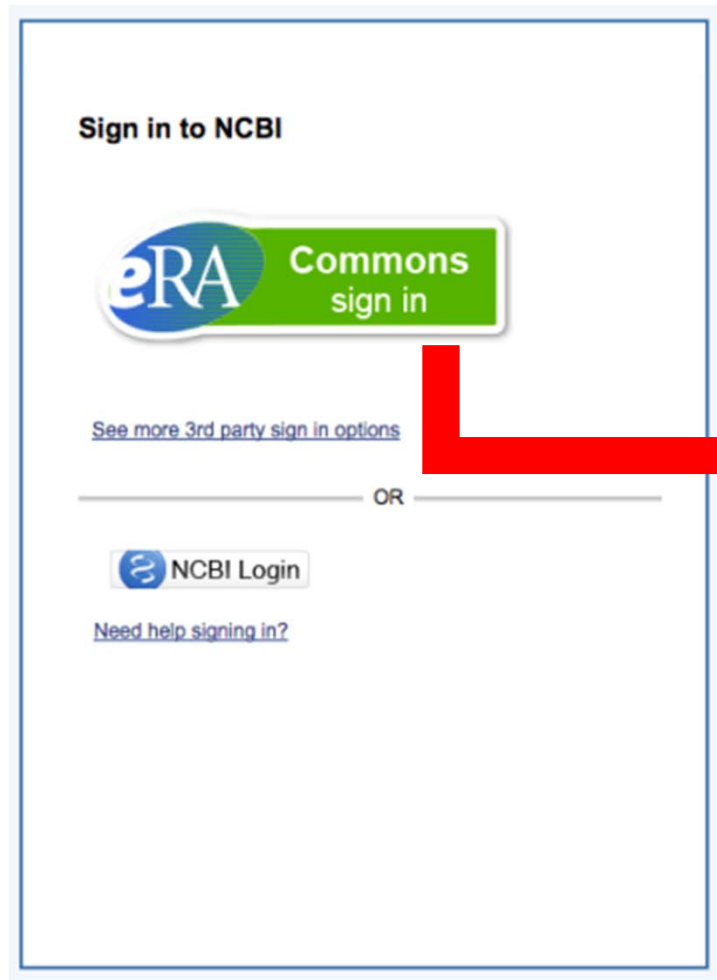
Did you mean: **science**

SciENCv: Science Experts Network Curriculum Vitae
www.ncbi.nlm.nih.gov/sc... ▾ National Center for Biotechnology Information ▾
Oct 3, 2014 - **SciENCv**: Science Experts Network Curriculum Vitae. A researcher profile system for all individuals who apply for, receive or are associated with ...
[Background Information](#) - [SciENCv Data Documentation](#) - [SciENCv Data Schemas](#)

Federal-Wide Researcher Profile Project
rbm.nih.gov/profile_project.htm ▾ National Institutes of Health ▾
What is **SciENCv**? **SciENCv** is a new electronic system that will enable researchers to easily assemble biographical information in order to simplify the work flow ...

My NCBI Curriculum Vitae Web Application: SciENCv. NLM ...
www.nlm.nih.gov/.../so13_sci... ▾ United States National Library of Medicine ▾
Sep 17, 2013 - **SciENCv** is a new feature in My NCBI that helps users create an online professional profile that can be made public to share with others.

Linking an eRA Commons account



User Name:

Password: [Change Password](#)

Log in

Linking an eRA Commons account

Accounts are now linked!



Linked accounts

NCBI Resources How To **maynard_fenn** My NC

My NCBI » Settings

NCBI Account Settings

Email

maynard_fenn@umd.edu (confirmed)

This email is used for delivery of saved searches and recovery of password for your native NCBI account. [Change](#)

Native NCBI Account

The following username and password is maintained by NCBI.

Username: **maynard_fenn**

Password: ********* [Change](#)

Security Question: **1** [Change](#)

Linked accounts

You can sign in via these 3rd-parties. Contact the 3rd party for sign-in related issues.

National Science Foundation	000522288
eRA Commons	maynard_fenn@umd.edu
ORCID	0000-0002-3075-6824

[Change](#)

Delegates

My NCBI User Name	E-mail	My Bibliography	SciENCv	Remove
iboba	percival_harvey@umd.edu	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

[Add a Delegate](#)

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[Customize this page](#) | [NCBI Site Preferences](#) | [Video Overview](#) | [Help](#)

Search NCBI databases

Search : PubMed

Search

Hint: clicking the "Search" button without any terms listed in the search box will transport you to that database's homepage.

Recent Activity

Filters

Filters for: PubMed (7 active)

Active	Name	Type
<input checked="" type="checkbox"/>	PMC not author manuscript	Custom
<input checked="" type="checkbox"/>	Free Full Text	Standard filter
<input checked="" type="checkbox"/>	MEDLINE	Standard filter
<input checked="" type="checkbox"/>	Published in the last 5 years	Standard filter
<input checked="" type="checkbox"/>	Review	Standard filter
<input checked="" type="checkbox"/>	Genetic Alliance	Standard provider icon

Manage Filters »

Saved Searches

Search Name	What's New	Last Searched
PMC Searches		

SciENcv

Name	Last Update	Sharing	Type
Amethyst	07-Jan-2015	Public	NIH Biosketch
BioSketch	17-Jun-2014	Public	NIH Biosketch
new ds	29-Oct-2014	Private	NIH Biosketch
orcid	29-Oct-2014	Public	NIH Biosketch

Manage SciENcv »

Collections

Collection Name	Items	Settings/Sharing	Type
Favorites	edit 11	Public	Standard
My Bibliography	edit 12	Public	Standard
Other Citations	edit 4	Private	Standard
PMIDs from NIDB (2005-2007)	edit 13381	Private	PubMed
A collection of items from various Entrez databases	edit 9	Public	Mixed
h1n1	edit 1	Public	Nucleotide
"trawick b"[Author] OR "trawick bw"[Author]	edit 5	Public	PubMed
My favorite papers	edit 7	Public	PubMed
2 items	edit 2	Private	PubMed
EtOH	edit 13	Private	PubMed

Manage Collections »

SciENCv main page

[My NCBI](#) » SciENCv

SciENCv: [About](#) | [Using](#)

John Doe, MS, PhD

Staff Scientist

Public Services Section

National Center for Biotechnology Information, NLM, NIH Bethesda, MD

<http://orcid.org/0000-0002-3075-6824>

[edit](#)

SciENCv Profiles

Last Update	Name	Type	Sharing
05-Jan-2015	March application	NSF Biosketch	Public
20-Aug-2014	NHGRI grant application	NIH Biosketch	Private
04-Dec-2014	Soil antibiotic grant applicaton	NSF Biosketch	Private
Yesterday 3:47 PM	NHGRI updated to new NIH biosketch	New NIH Biosketch	Private

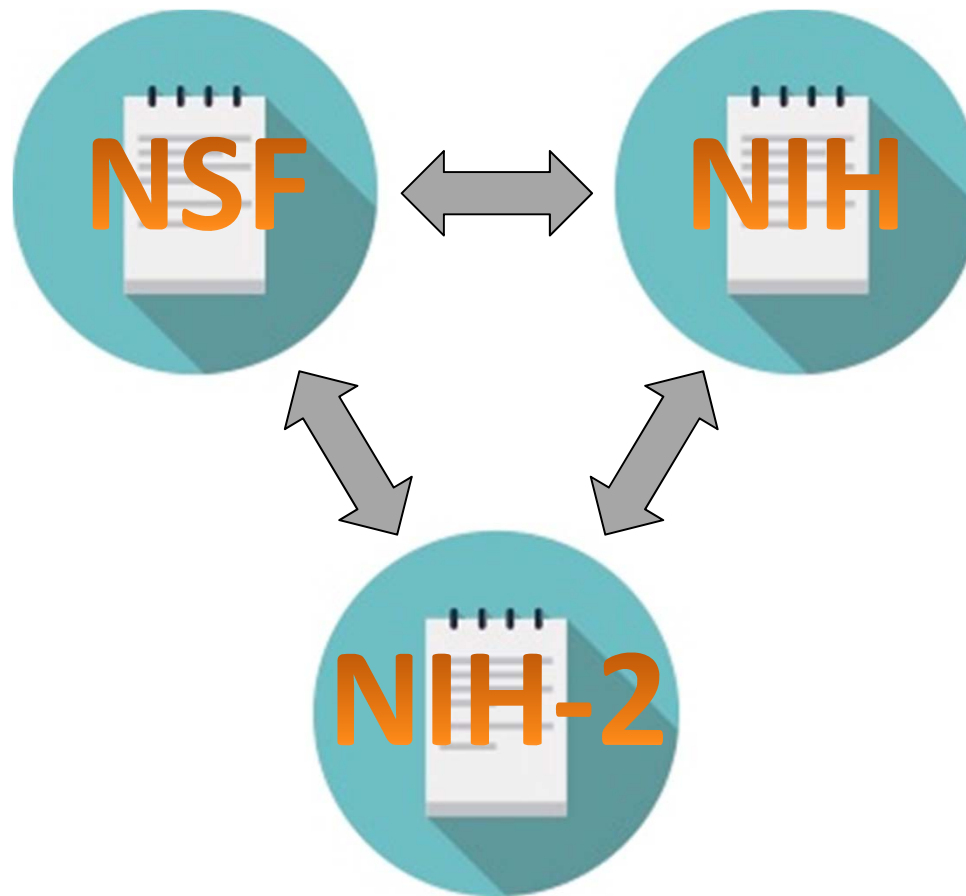
[+ Create New Profile](#)

Near term updates

Expanded NIH biosketch support

- NIH Biosketch: optional format for due dates before 5/25/15
- New NIH Biosketch: mandatory format for due dates 5/25/15 and beyond
- Develop Fellowship and LRP biosketches to fully support NIH

Duplicating an existing SciENcv profile



NSF SciENCv Pilot – Smoke Test Only

- Important Note: It is not recommended that users submit biosketches from the tool at this time
 - This pilot is designed purely to gauge user feedback and assess the functionality
 - Updates are still being made to the tool so that it will generate NSF-specific biosketches
 - Users and submitting organizations will still be required to ensure their submittals are in compliance with NSF Policy

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Updates through 2015 and beyond

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Selecting publications

Show/hide
pick list

My Bibliography ORCID

Select: [None](#) 4 item(s) selected [Add citations](#) unchecked entries are hidden from display


- ☐ Malicka J, Gryczynski I, Gryczynski Z, Lakowicz JR. DNA hybridization using surface plasmon-coupled emission. Anal Chem. 2003 Dec 1;75(23):6629-33. PubMed PMID: 14640738; PubMed Central PMCID: PMC2763914.
- ☒ Maliwal BP, Malicka J, Gryczynski I, Gryczynski Z, Lakowicz JR. Fluorescence properties of labeled proteins near silver colloid surfaces. Biopolymers. 2003 Dec;70(4):585-94. PubMed PMID: 14648768; PubMed Central PMCID: PMC2737415.
- ☐ Malicka J, Gryczynski I, Kusba J, Lakowicz JR. Effects of metallic silver island films on resonance energy transfer between N,N'-(dipropyl)-tetramethyl- indocarbocyanine (Cy3)- and N,N'-(dipropyl)-tetramethyl- indodicarbocyanine (Cy5)-labeled DNA. Biopolymers. 2003 Dec;70(4):595-603. PubMed PMID: 14648769; PubMed Central PMCID: PMC2739991.
- ☐ Gryczynski I, Malicka J, Gryczynski Z, Lakowicz JR. Radiative decay engineering 4 Experimental studies of surface plasmon-coupled directional emission. Anal Biochem. 2004 Jan 15;324(2):170-82. PubMed PMID: 14690680; PubMed Central PMCID: PMC2740992.
- ☐ Lakowicz JR. Radiative decay engineering 3 Surface plasmon-coupled directional emission. Anal Biochem. 2004 Jan 15;324(2):153-69. PubMed PMID: 14690679; PubMed Central PMCID: PMC2737403.
- ☒ Matveeva E, Malicka J, Gryczynski I, Gryczynski Z, Lakowicz JR. Multi-wavelength immunoassays using surface plasmon-coupled emission. Biochem Biophys Res Commun. 2004 Jan 16;313(3):721-6. PubMed PMID: 14697250; PubMed Central PMCID: PMC2737410.
- ☒ Matveeva E, Gryczynski Z, Gryczynski I, Lakowicz JR. Immunoassays based on directional surface plasmon-coupled emission. J Immunol Methods. 2004 Mar;286(1-2):133-40. PubMed PMID: 15087228; PubMed Central PMCID: PMC2737394.
- ☒ Malicka J, Gryczynski I, Gryczynski Z, Lakowicz JR. Use of surface plasmon-coupled emission to measure DNA hybridization. J Biomol Screen. 2004 Apr;9(3):208-15. PubMed PMID: 15140382; PubMed Central PMCID: PMC2745271.
- ☐ Malicka J, Gryczynski I, Lakowicz JR. Fluorescence spectral properties of labeled thiolated oligonucleotides bound to silver particles. Biopolymers. 2004 Jun 15;74(3):263-71. PubMed PMID: 15150802; PubMed Central PMCID: PMC2763907.

[Done](#)



d. Malicka J, Gryczynski I, Gryczynski Z, Lakowicz JR. Use of surface plasmon-coupled emission to measure DNA hybridization. J Biomol Screen. 2004 Apr;9(3):208-15. PubMed PMID: 15140382; PubMed Central PMCID: PMC2745271.


☒ Include link to complete list of published work in [My Bibliography](#).
(Selecting this option will make the list public.)

Additional citations types added to My Bibliography

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User-controlled Public APIs

Develop Public APIs (with user privacy controls)

These APIs will allow SciENCv to share data with larger and better established networks (VIVO, Scopus, Research Fish, Trellis, etc.). Many of these networks are already contacting us seeking interoperability and partnerships.

Helpful Links

- SciENCv is available at:
<http://www.ncbi.nlm.nih.gov/account/>
- SciENCv documentation:
<http://www.ncbi.nlm.nih.gov/sciencv>
- SciENCv YouTube video : <http://youtu.be/PRWy-3GXhtU>

Provide feedback to info@ncbi.nlm.nih.gov