SciENcv Development Update

FDP Meeting, January 2015

Bart Trawick, PhD
National Center for Biotechnology Information
National Library of Medicine
National Institutes of Health

A new NIH biosketch

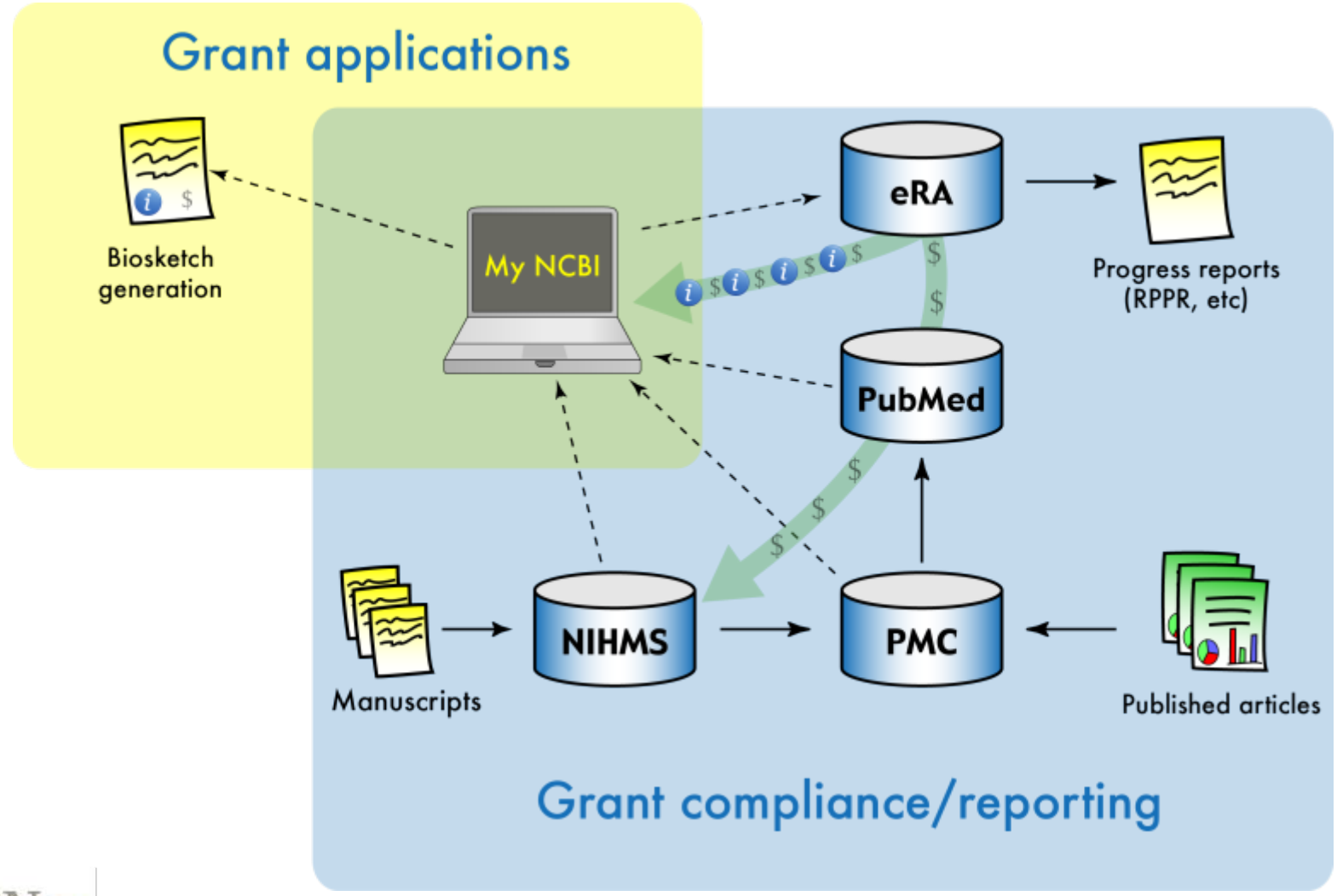
Allows applicants to:

- 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

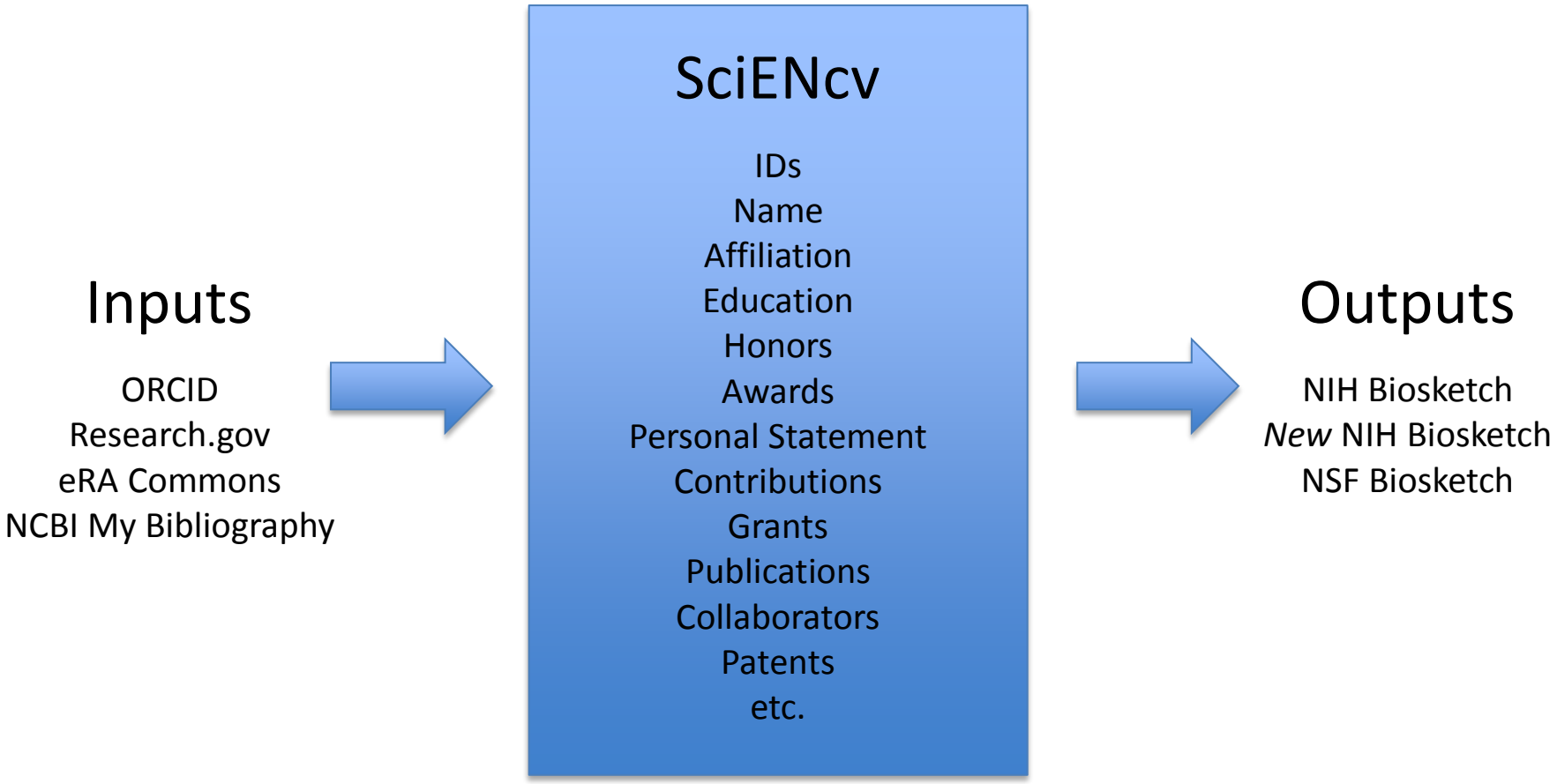
Timing

- NIH Biosketch: optional format for due dates before 5/25/15
- New NIH Biosketch: mandatory format for due dates 5/25/15 and beyond

My NCBI tools assist users with NIH grant applications & reporting



SciENcv 2.5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Research.gov
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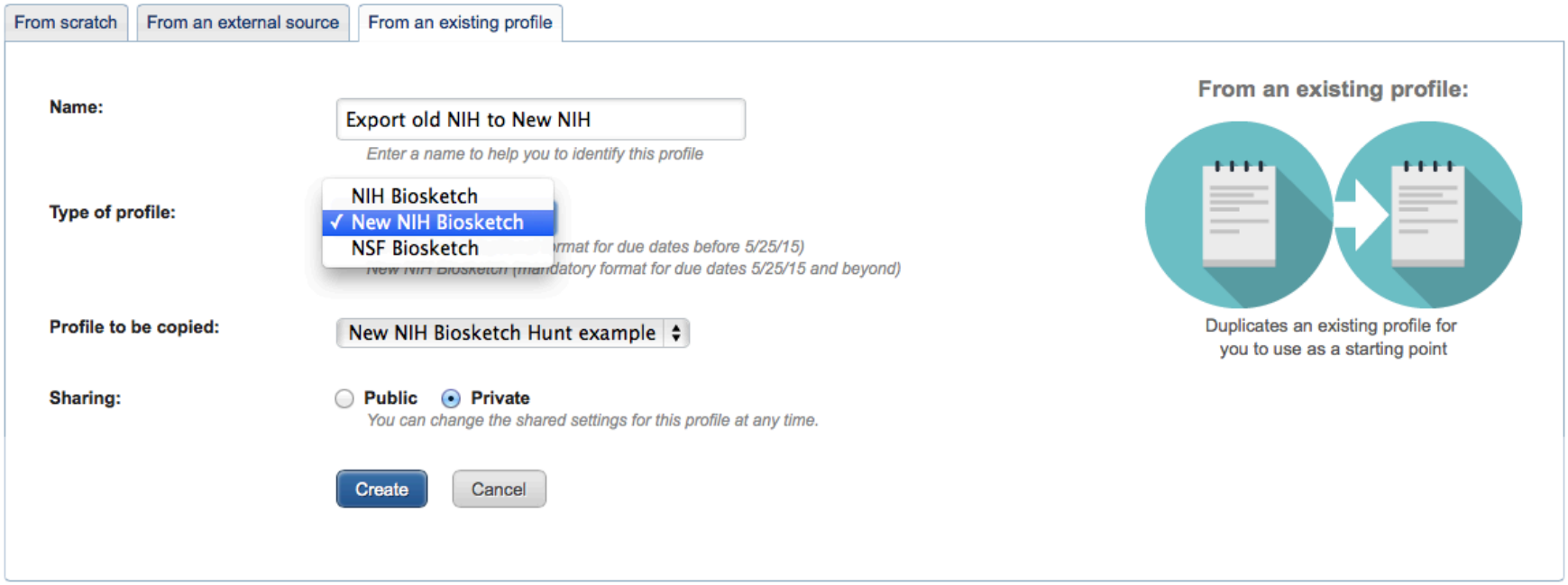
NCBI My Bibliography
SciENcv
IDs
Name
Affiliation
Education
Honors
Awards
Personal Statement
Contributions
Grants
Publications
Collaborators
Patents
etc.
Outputs
NIH Biosketch
New NIH Biosketch
NSF Biosketch

Creating a new biosketch



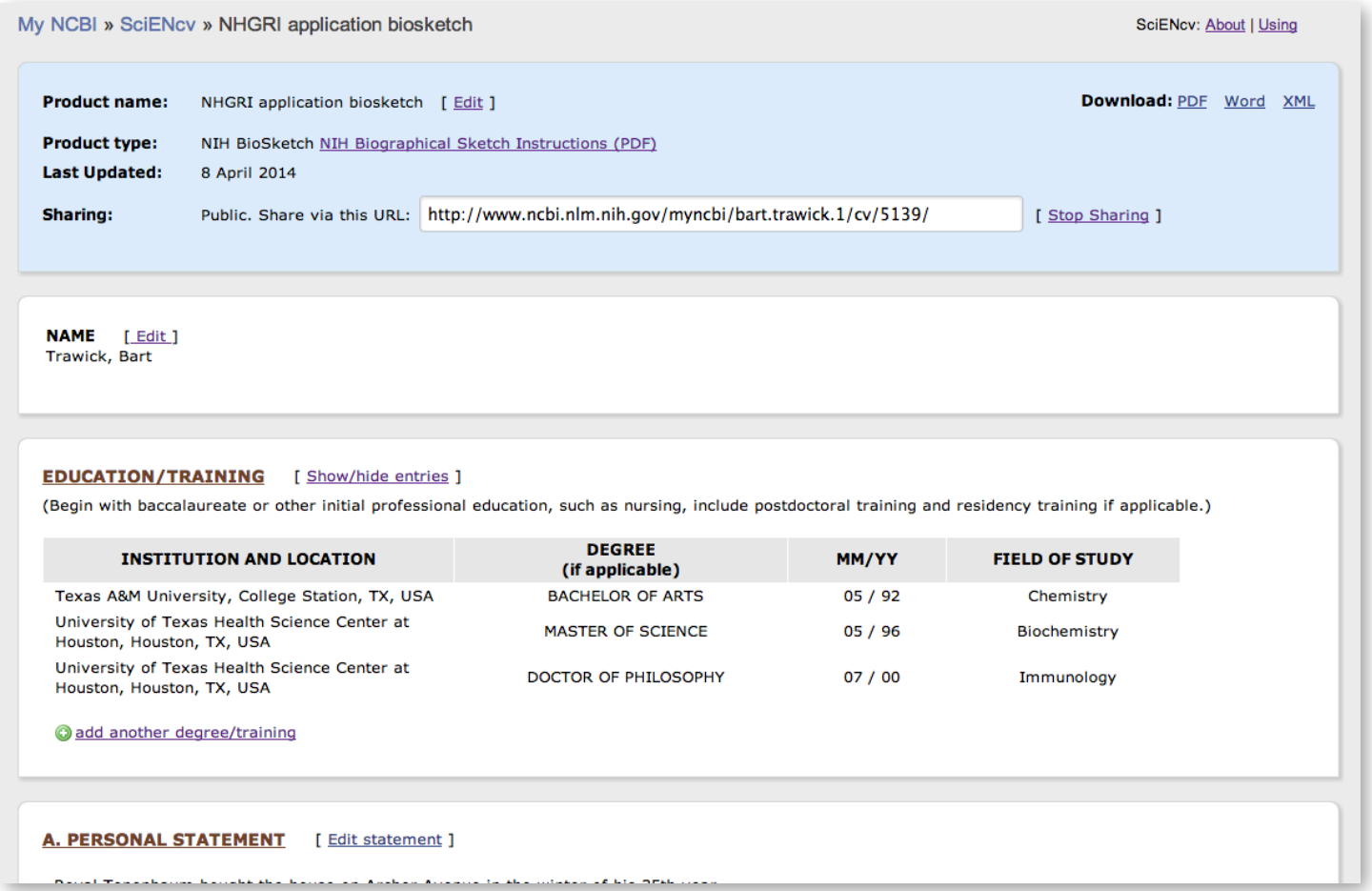
NIH Biosketch: optional format for due dates before 5/25/15

New NIH Biosketch: mandatory format for due dates 5/25/15 and beyond

NIH Biosketch page

Metadata & options

Biosketch form



My NCBI » SciENcv » NHGRI application biosketch

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Product name: NHGRI application biosketch [Edit]

Download: PDF Word XML

Product type: NIH BioSketch NIH Biographical Sketch Instructions (PDF)

Last Updated: 8 April 2014

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NAME [Edit]
Trawick, Bart

EDUCATION/TRAINING [Show/hide entries]

(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
Texas A&M University, College Station, TX, USA	BACHELOR OF ARTS	05 / 92	Chemistry
University of Texas Health Science Center at Houston, Houston, TX, USA	MASTER OF SCIENCE	05 / 96	Biochemistry
University of Texas Health Science Center at Houston, Houston, TX, USA	DOCTOR OF PHILOSOPHY	07 / 00	Immunology

add another degree/training

A. PERSONAL STATEMENT [Edit statement]

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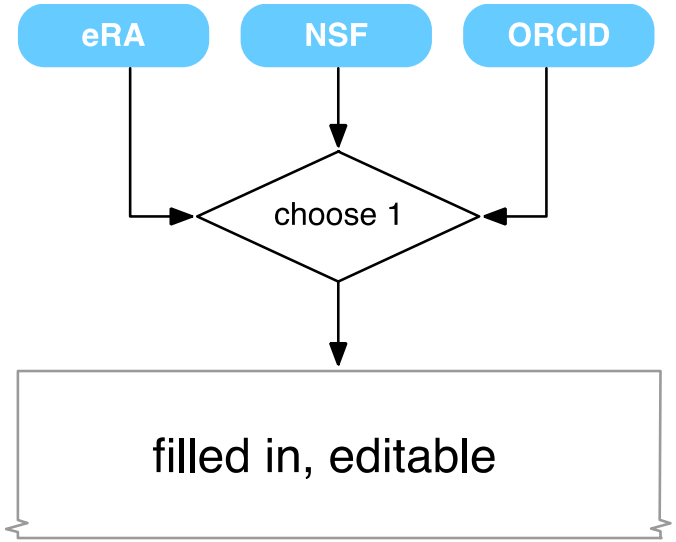
Populating sections with linked data – text fields

Name, employment, etc.



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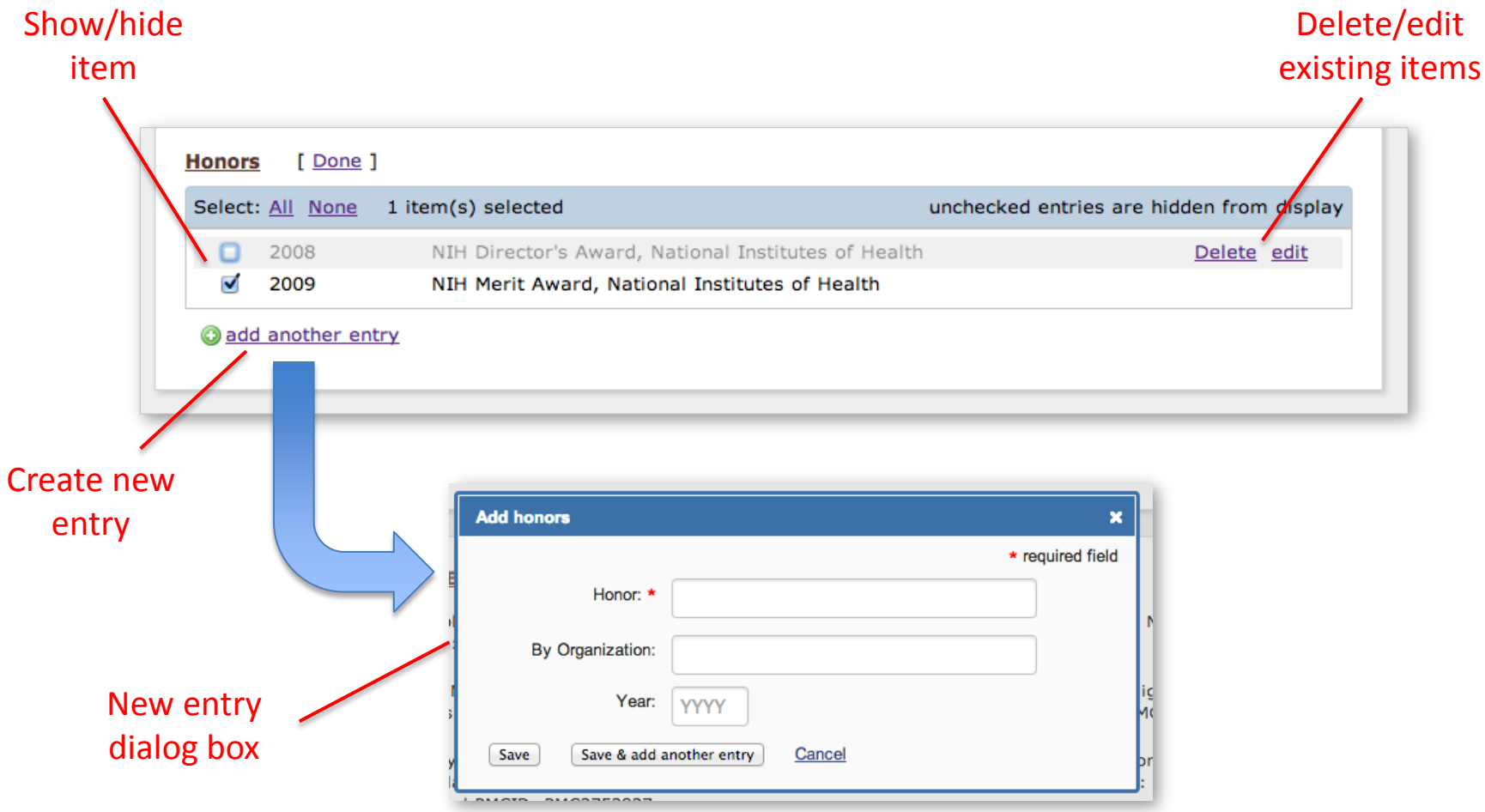
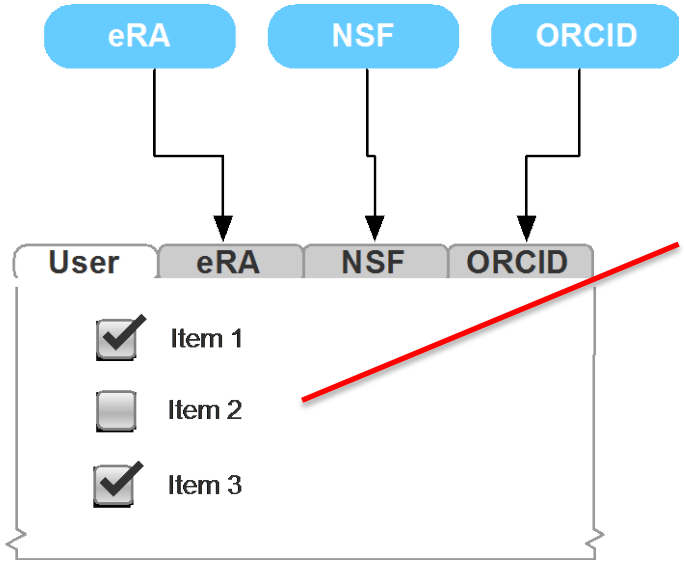


Populating sections with linked data – pick lists

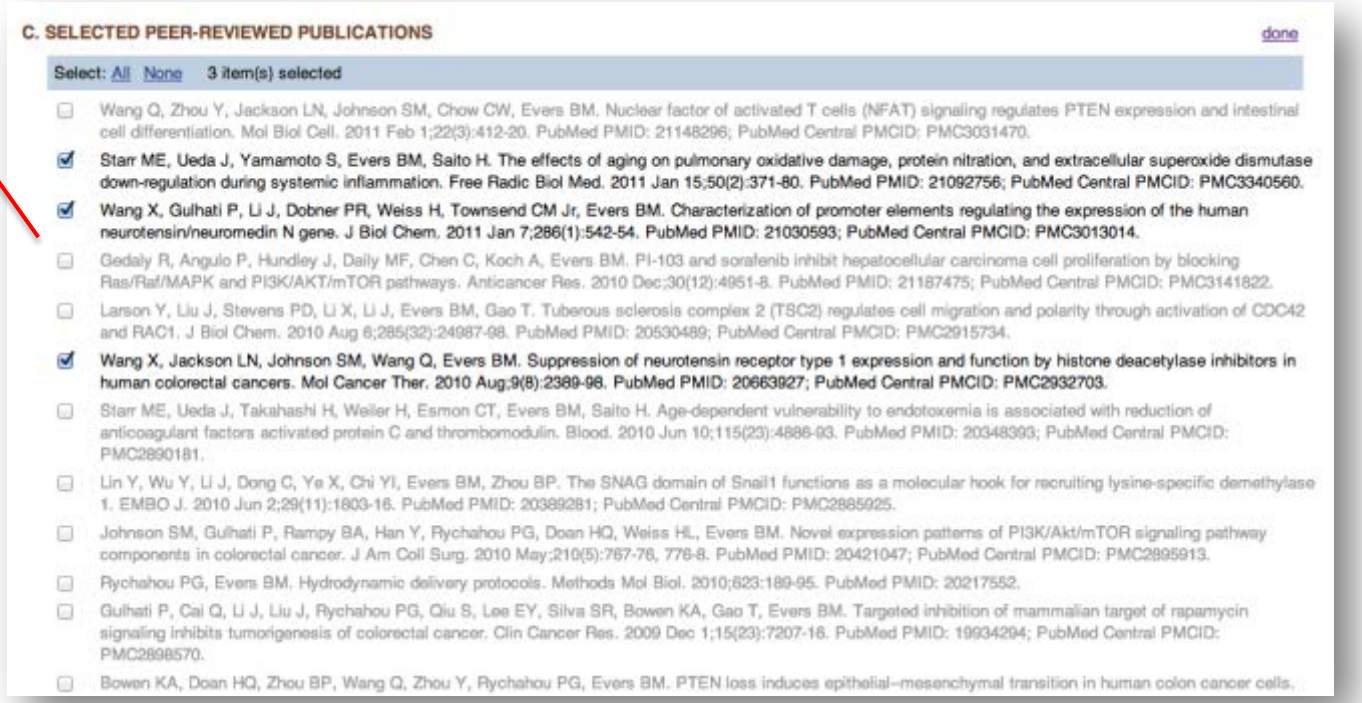
Bibliography & Funding sections



Pick list can dynamically update via feed.

Selecting publications

Show/hide pick list



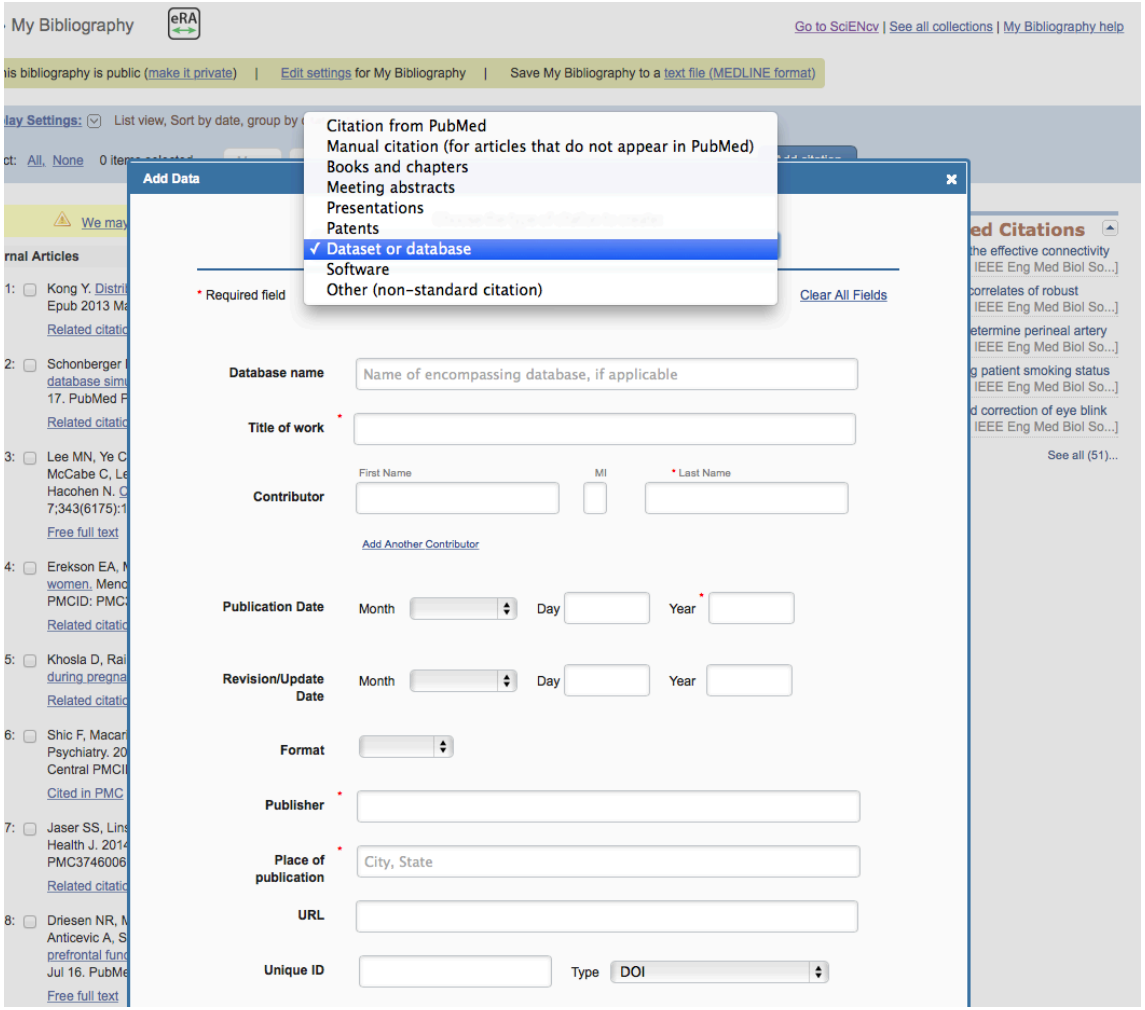
C. SELECTED PEER-REVIEWED PUBLICATIONS

done

Select: All None 3 item(s) selected

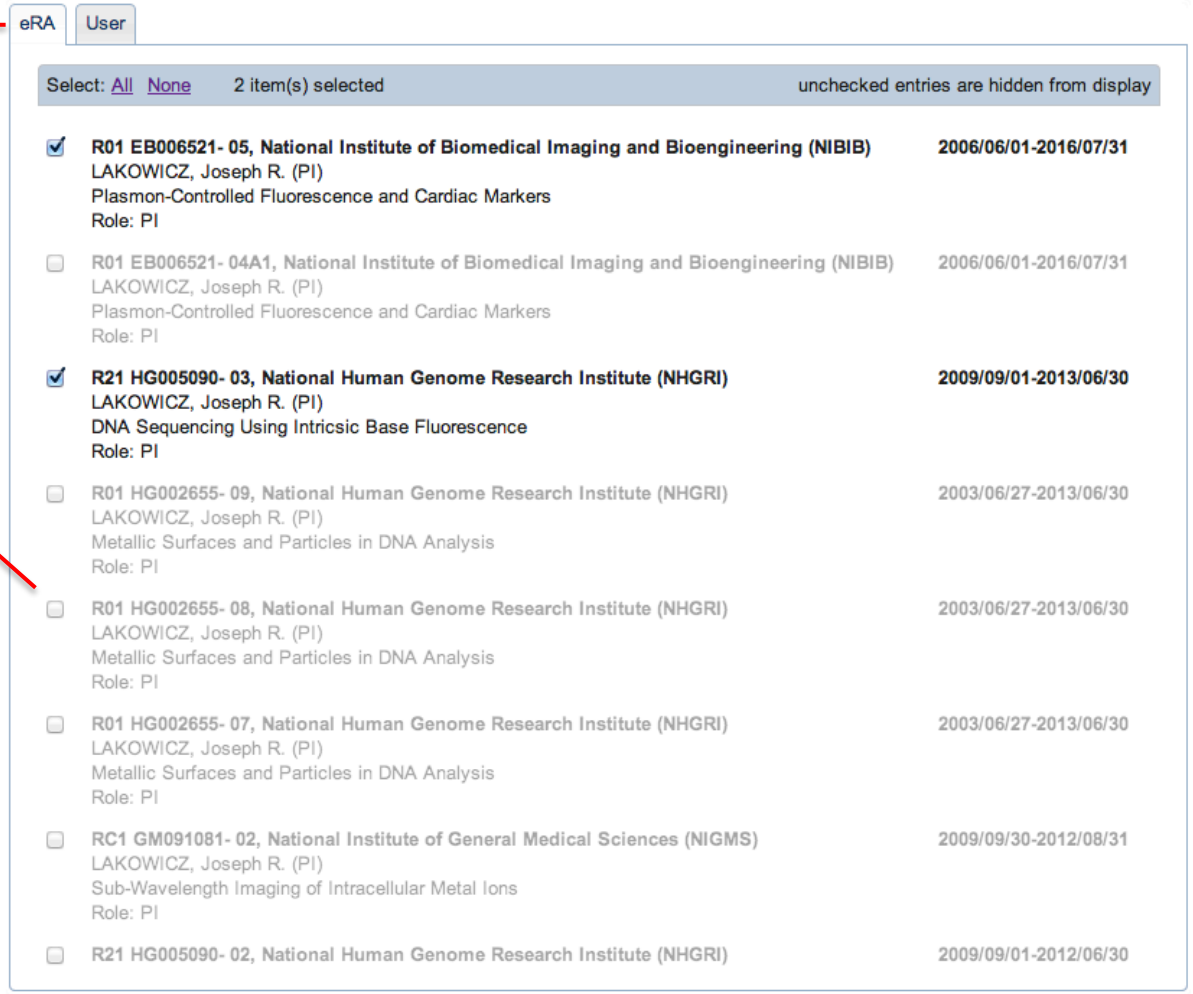
- [ ] Wang Q, Zhou Y, Jackson LN, Johnson SM, Chow CW, Evers BM. Nuclear factor of activated T cells (NFAT) signaling regulates PTEN expression and intestinal cell differentiation. Mol Biol Cell. 2011 Feb 1;22(3):412-20. PubMed PMID: 21148296; PubMed Central PMCID: PMC3031470.
- [x] Starr ME, Ueda J, Yamamoto S, Evers BM, Saito H. The effects of aging on pulmonary oxidative damage, protein nitration, and extracellular superoxide dismutase down-regulation during systemic inflammation. Free Radic Biol Med. 2011 Jan 15;50(2):371-80. PubMed PMID: 21092756; PubMed Central PMCID: PMC3340560.
- [x] Wang X, Gulhati P, Li J, Dobner PR, Weiss H, Townsend CM Jr, Evers BM. Characterization of promoter elements regulating the expression of the human neurotensin/neuromedin N gene. J Biol Chem. 2011 Jan 7;286(1):542-54. PubMed PMID: 21030593; PubMed Central PMCID: PMC3013014.
- [ ] Gedaly R, Angulo P, Hundley J, Daily MF, Chen C, Koch A, Evers BM. PI-103 and sorafenib inhibit hepatocellular carcinoma cell proliferation by blocking Ras/Raf/MAPK and PI3K/AKT/mTOR pathways. Anticancer Res. 2010 Dec;30(12):4951-8. PubMed PMID: 21187475; PubMed Central PMCID: PMC3141822.
- [ ] Larson Y, Liu J, Stevens PD, Li X, Li J, Evers BM, Gao T. Tuberous sclerosis complex 2 (TSC2) regulates cell migration and polarity through activation of CDC42 and RAC1. J Biol Chem. 2010 Aug 6;285(32):24987-98. PubMed PMID: 20530489; PubMed Central PMCID: PMC2915734.
- [x] Wang X, Jackson LN, Johnson SM, Wang Q, Evers BM. Suppression of neurotensin receptor type 1 expression and function by histone deacetylase inhibitors in human colorectal cancers. Mol Cancer Ther. 2010 Aug;9(8):2389-98. PubMed PMID: 20663927; PubMed Central PMCID: PMC2932703.
- [ ] Starr ME, Ueda J, Takahashi H, Weiler H, Esmon CT, Evers BM, Saito H. Age-dependent vulnerability to endotoxemia is associated with reduction of anticoagulant factors activated protein C and thrombomodulin. Blood. 2010 Jun 10;115(23):4886-93. PubMed PMID: 20348393; PubMed Central PMCID: PMC2890181.
- [ ] Lin Y, Wu Y, Li J, Dong C, Ye X, Chi YI, Evers BM, Zhou BP. The SNAG domain of Snail1 functions as a molecular hook for recruiting lysine-specific demethylase 1. EMBO J. 2010 Jun 2;29(11):1803-16. PubMed PMID: 20389281; PubMed Central PMCID: PMC2885925.
- [ ] Johnson SM, Gulhati P, Rampy BA, Han Y, Rychahou PG, Doan HQ, Weiss HL, Evers BM. Novel expression patterns of PI3K/Akt/mTOR signaling pathway components in colorectal cancer. J Am Coll Surg. 2010 May;210(5):767-76, 776-8. PubMed PMID: 20421047; PubMed Central PMCID: PMC2895913.
- [ ] Rychahou PG, Evers BM. Hydrodynamic delivery protocols. Methods Mol Biol. 2010;623:189-95. PubMed PMID: 20217552.
- [ ] Gulhati P, Cai Q, Li J, Liu J, Rychahou PG, Qiu S, Lee EY, Silva SR, Bowen KA, Gao T, Evers BM. Targeted inhibition of mammalian target of rapamycin signaling inhibits tumorigenesis of colorectal cancer. Clin Cancer Res. 2009 Dec 1;15(23):7207-16. PubMed PMID: 19934294; PubMed Central PMCID: PMC2898570.
- [ ] Bowen KA, Doan HQ, Zhou BP, Wang Q, Zhou Y, Rychahou PG, Evers BM. PTEN loss induces epithelial–mesenchymal transition in human colon cancer cells.

Additional citations types added to My Bibliography



Selecting awards; external content

Award data feeds



Show/hide pick list

Selecting awards; final display

D. RESEARCH SUPPORT [Edit awards]

Ongoing Research Support

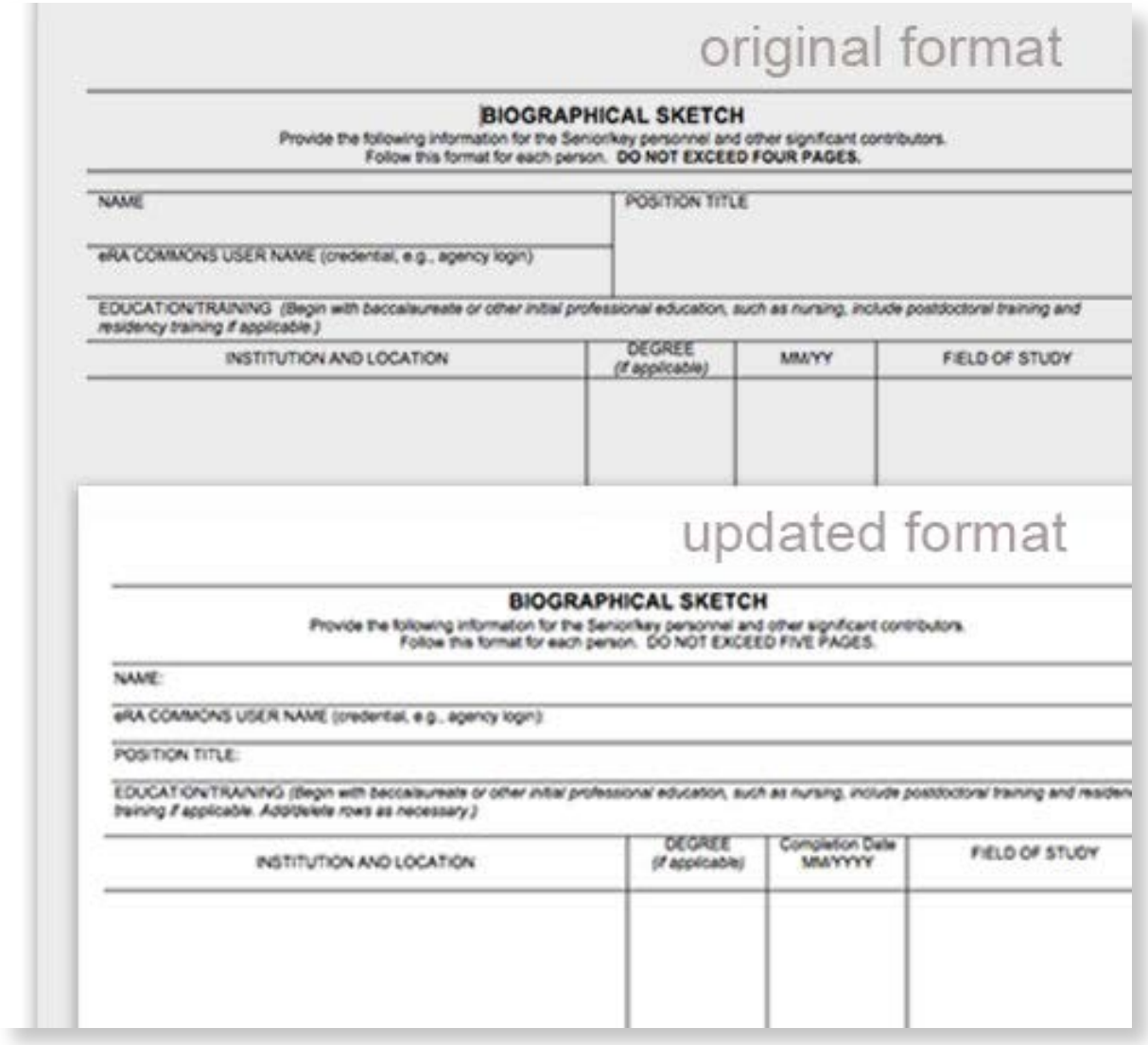
R01 EB006521- 05, National Institute of Biomedical Imaging and Bioengineering (NIBIB) **2006/06/01-2016/07/31**
LAKOWICZ, Joseph R. (PI)
Plasmon-Controlled Fluorescence and Cardiac Markers
Role: PI

Completed Research Support

R21 HG005090- 03, National Human Genome Research Institute (NHGRI) **2009/09/01-2013/06/30**
LAKOWICZ, Joseph R. (PI)
DNA Sequencing Using Intricsic Base Fluorescence
Role: PI

ABC-123456, American Heart Associaton **2009/01/01-2012/01/01**
Name goes here (PI)
Help me Rhonda
Turns out, there was this girl named Rhonda and I needed to help her.
Role: PI

NIH Biosketch spotter's guide



SciENcv
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New NIH biosketch, Section A

A. PERSONAL STATEMENT [Edit statement]

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.

Optional: You may identify up to four peer reviewed publications that specifically highlight your experience and qualifications for this project.

[Show/hide citations]

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, et al. 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

C. Contribution to Science

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. Gryczynski, J., Shaft, B.M., Merryle, R., & Hunt, M.C. (2002). Community based participatory research with late-life addicts. American Journal of Alcohol and Drug Abuse, 15(3), 222-238.
    b. Shaft, B.M., Hunt, M.C., Merryle, R., & Venturi, R. (2003). Policy implications of genetic transmission of alcohol and drug abuse in female nonusers. International Journal of Drug Policy, 30(5), 46-58.
    c. Hunt, M.C., Marks, A.E., Shaft, B.M., Merryle, R., & Jensen, J.L. (2004). Early-life family and community characteristics and late-life substance abuse. Journal of Applied Gerontology, 28(2),26-37.
    d. Hunt, M.C., Marks, A.E., Venturi, R., Crenshaw, W. & Ratonian, A. (2007). Community-based intervention strategies for reducing alcohol and drug abuse in the elderly. Addiction, 104(9), 1436-1606. PMCID: PMC9000292

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

New NIH biosketch, Section C

C. Contribution to Science [Done]

Add another contribution

1 | 2 | 3

Delete this contribution

Description edit

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.

Citations [Select citations]

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.

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

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Biosketch PDF export

OMB No. 0925

BIOGRAPHICAL SK

Provide the following information for the Senior/key perso

Follow this format for each person. DO NO

NAME: Hunt, Morgan Casey

eRA COMMONS USER NAME (agency login):

POSITION TITLE: Associate Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other*
nursing, include postdoctoral training and residency training i

INSTITUTION AND LOCATION	DEGREE (if applicable)
University of California, Berkeley, Berkeley, CA	BS
University of Vermont, Burlington, VT	PHD
University of California, Berkeley, Berkeley, CA	Postdoctoral Fellow

A. PERSONAL STATEMENT

I have the expertise, leadership, training, expertise and
out the proposed research project. I have a broad backg
and expertise in ethnographic and survey research and s
aspects of drug addiction. My research includes neuro
addiction. As PI or co-Investigator on several university-
groundwork for the proposed research by developing eff
and other psychosocial factors relevant to the aging sub
strong ties with community providers that will make it pos
over time as documented in the following publications. In
projects (e.g. staffing, research protections, budget), col
produced several peer-reviewed publications from each
experiences, I am aware of the importance of frequent c
and of constructing a realistic research plan, timeline, an
logically on my prior work. During 2005-2006 my career w
However, upon returning to the field I immediately resum
collaborations and successfully competed for NIH suppo

1. Malicka J, Gryczynski I, Gryczynski Z, Lakowicz JR. I
on the emission of cyanine-dye-labeled oligonucleo
1;315(1):57-66. PubMed PMID: 12672412; PubMed C
2. Lakowicz JR, Malicka J, Gryczynski I. Increased inte
near silver particles. Photochem Photobiol. 2003 Ju
PubMed Central PMCID: PMC2753835.
3. Zhang J, Lakowicz JR. Metal-enhanced fluorescenc
particles. Opt Express. 2007 Mar 5;15(5):2598-606.
Central PMCID: PMC2739992.
4. McNay EC, Ong CT, McCrimmon RJ, Cresswell J, B
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Mem. 2010 May;93(4):546-53. PubMed PMID: 20176
PMC2878207.

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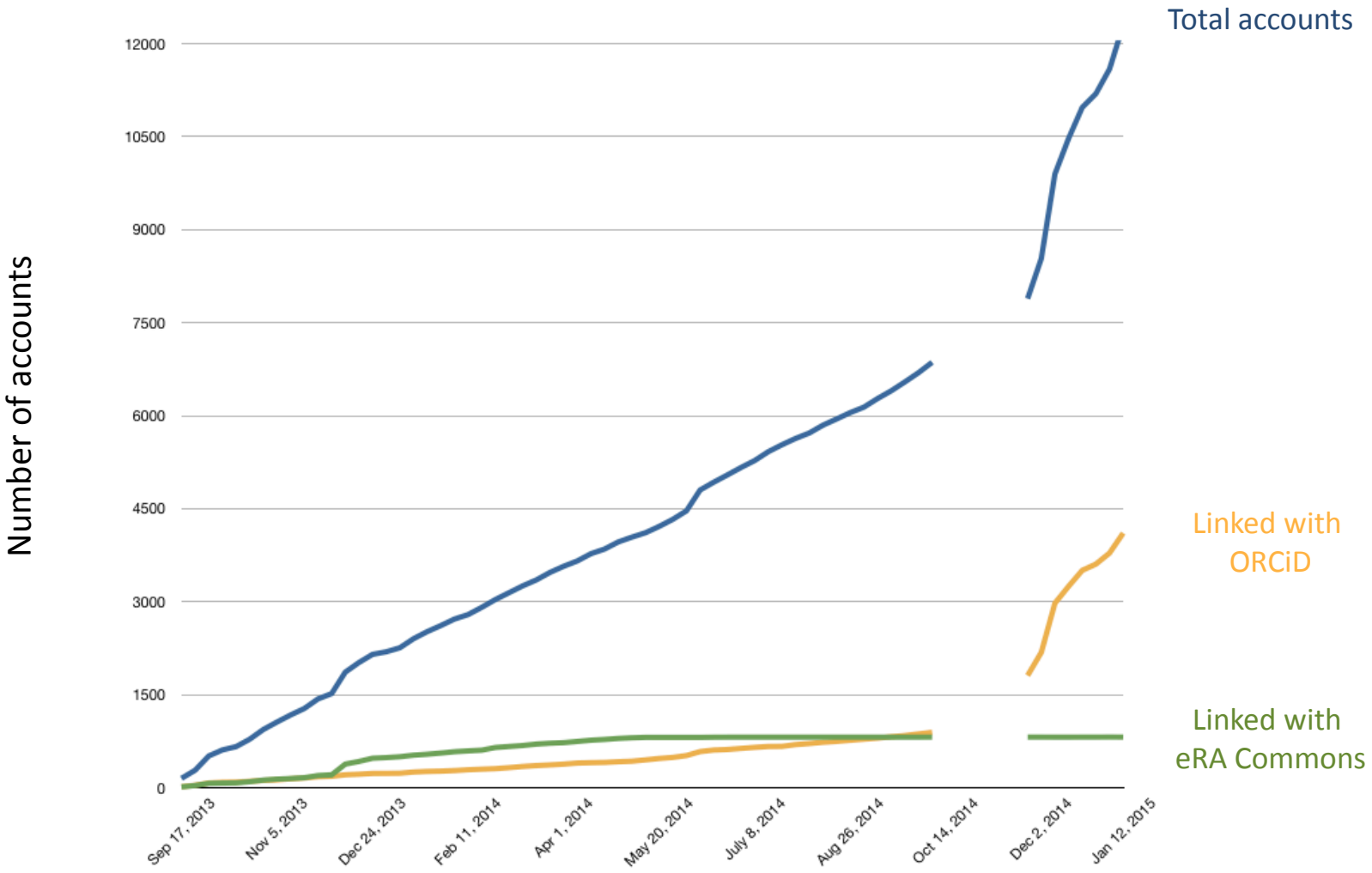
SciENcv growth



SciENcv
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Questions/Comments?