

SciENcv Development Update

FDP Meeting, May 2014

Bart Trawick, PhD

National Center for Biotechnology Information

National Library of Medicine

National Institutes of Health

SciENcv Overview

- SciENcv = Science Experts Network Curriculum Vitae
- SciENcv interagency working group:
DOD, DOE, EPA, NIH, NSF, USDA
- Create/maintain Biosketches for grant applications

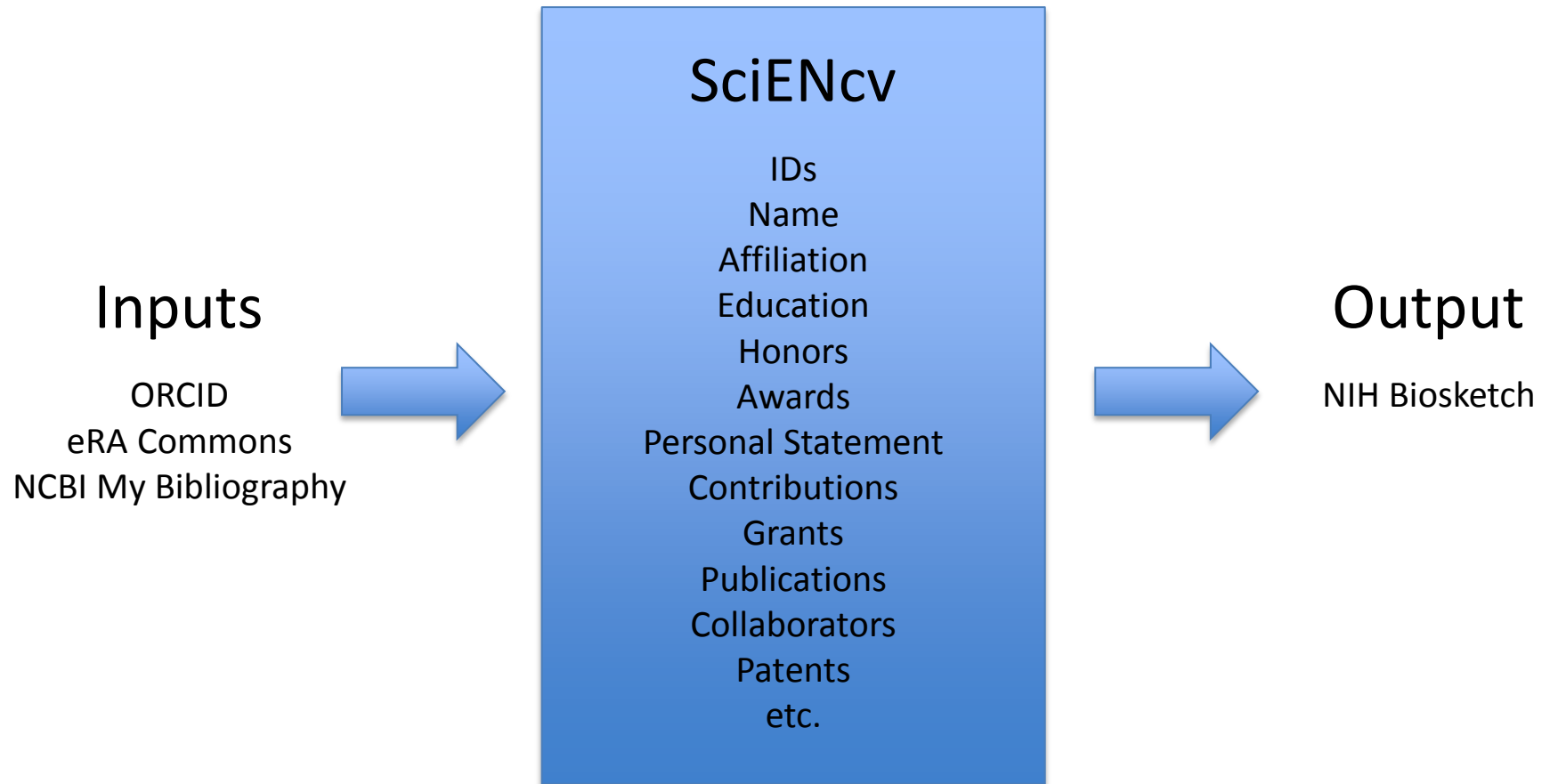
The FDP Pilot

- Generate biosketches in NIH-specific format for application submission
- Interoperate with existing NIH systems

SciENcv Alpha

- Testing in late July-August 2013
- Small group (all faculty) responded with feedback:
 - Please add other formats (Word, etc)
 - It would be nice to select from multiple personal statements
 - No place (yet) to include other scholarly products of research as in NSF biosketches.
 - Add error page for private biosketches
 - This was easy to use - loved having the citations and funding auto-populated. The final formatted PDF looked great - I will use it!

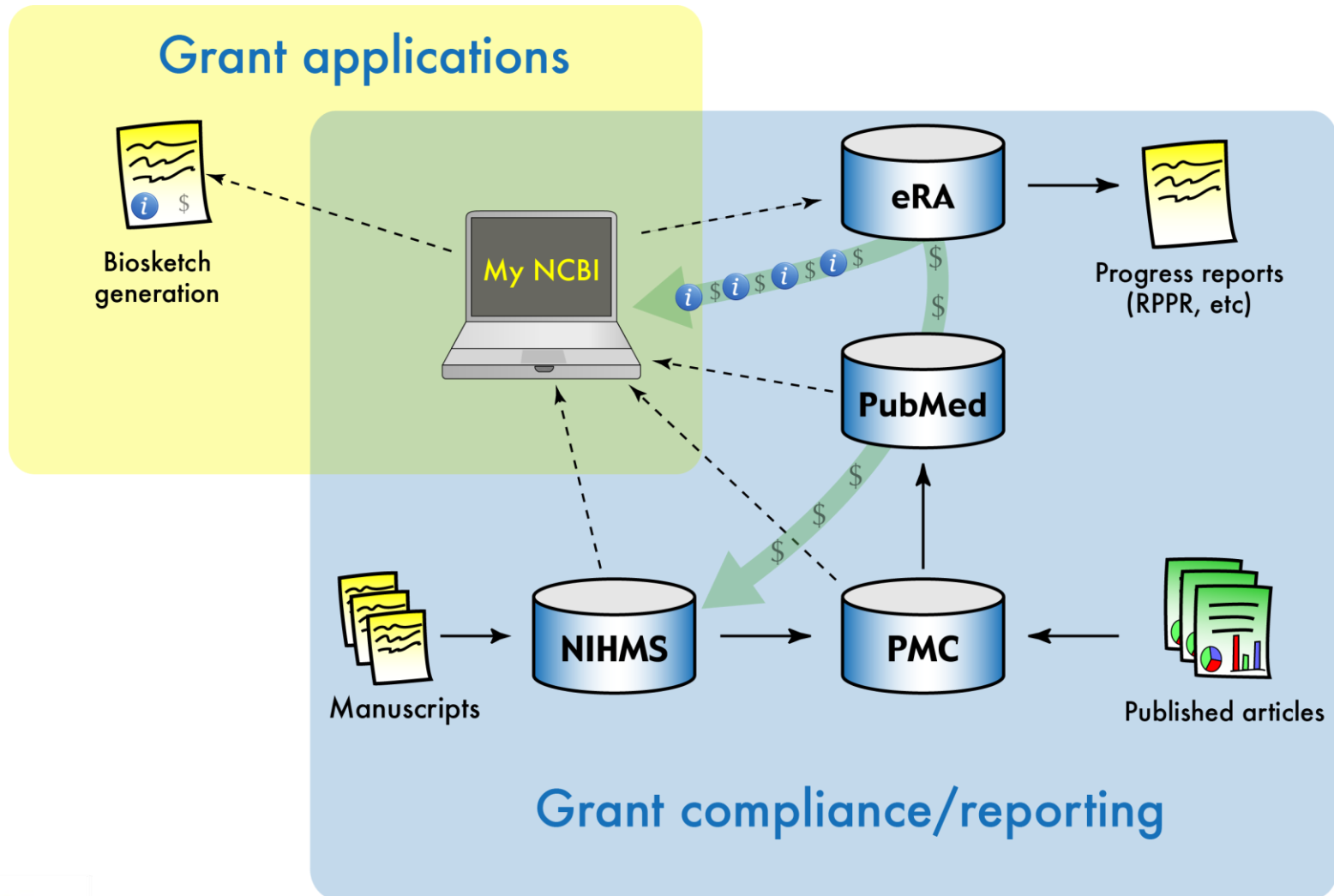
Public launch, September 2013



SciENcv beta

- SciENcv is available at:
<http://www.ncbi.nlm.nih.gov/account/>
- Create an NIH biosketch PDF file
- SciENcv documentation:
<http://www.ncbi.nlm.nih.gov/books/NBK154494/>
- Provide feedback & help identify functionality/features in future versions of SciENcv

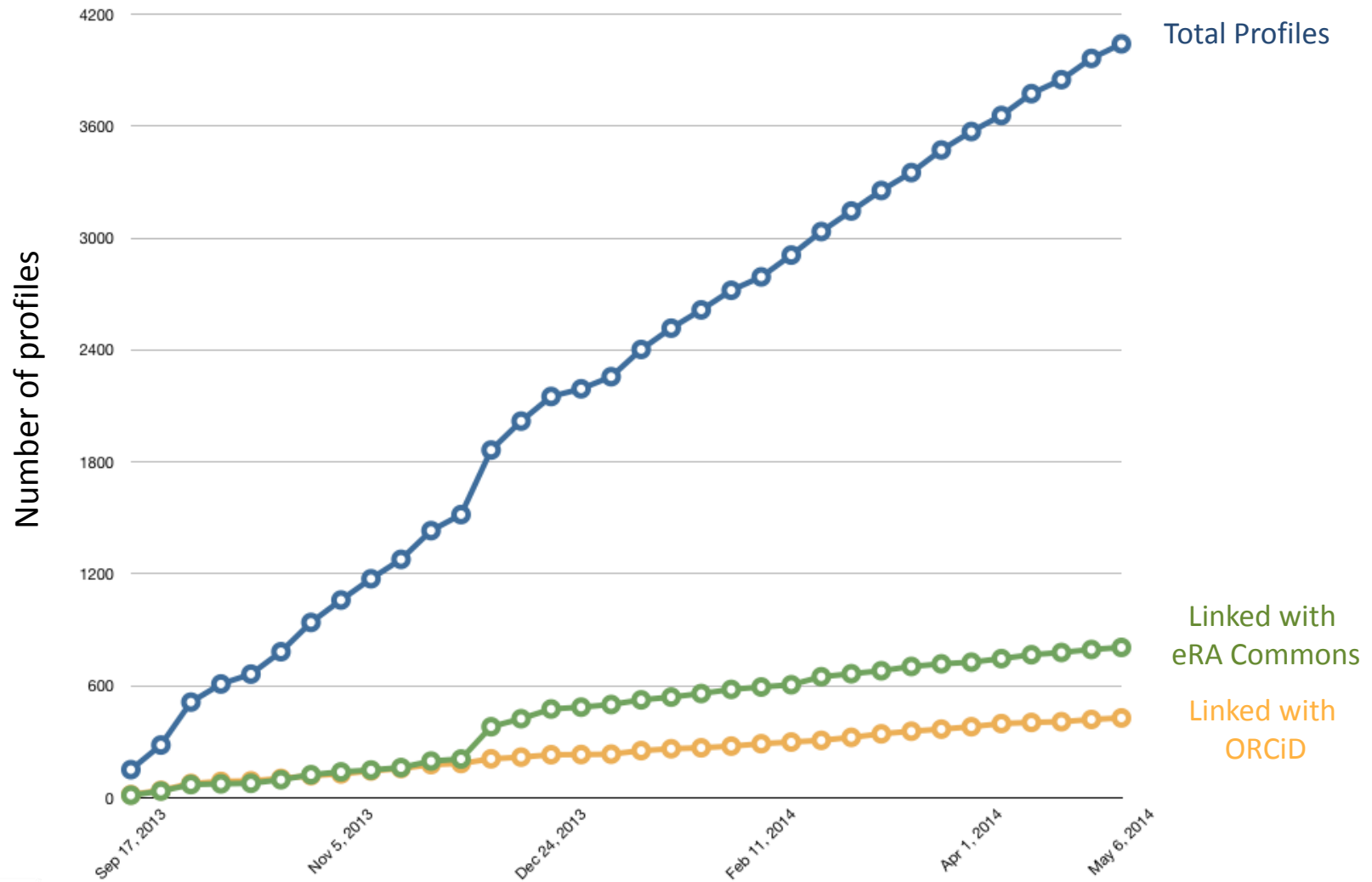
My NCBI tools assist users with NIH grant applications & reporting



SciENcv Beta Feedback

- My major feedback is that there seems to be insufficient flexibility in formatting the CV that is generated.
- The ability to pick the position listed at the top. I have a couple of concurrent positions (Professor and Editor). It picks the one with the most recent date.
- Listing every (noncompeting) year of a grant award as a separate item needs to be fixed.
- This will be a powerful tool for preparing and evaluating grant proposals.

SciENCv growth during beta release



Sample SciENcv public profiles

<http://www.ncbi.nlm.nih.gov/myncbi/michael.neale.1/cv/1587/>

<http://www.ncbi.nlm.nih.gov/myncbi/j%20david.jentsch.1/cv/1238/>

<http://www.ncbi.nlm.nih.gov/myncbi/paul.coen.1/cv/1047/>

<http://www.ncbi.nlm.nih.gov/myncbi/1zUxfar6oskkz/cv/3583/>

<http://www.ncbi.nlm.nih.gov/myncbi/praveen.govinda%20warrier.1/cv/3124/>

<http://www.ncbi.nlm.nih.gov/myncbi/robert.winchester.1/cv/1650/>

SciENcv 2.0

Now available!

Design & Develop Enhancements Required by NIH

- ✓ – Add ability to maintain multiple NIH biosketches
- ✓ – Output SciENCv data to eRA Commons and RPPR
 - Pull profile information from and work with additional external profile systems (e.g., ORCID, VIVO)
- ✓ – Publish data model for SciENCv
 - Publish API to allow users to transfer data to/from EndNote, Linked In, and other systems
 - Allow delegates to create/maintain SciENCv profiles
- ✓ – Add additional output options such as plain text, MS Word
- ✓

Main page

My NCBI » SciENcv

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

Bart Trawick, MS, PhD

Staff Scientist

Public Services Section

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

[edit](#)

SciENcv Products

Last Update	Name	Type	Sharing
03-Apr-2014	BioAlert 27 29	BioSketch	Public
11:41 AM	Biosketch for Clinical Center	BioSketch	Public
08-Apr-2014	NHGRI application biosketch	BioSketch	Private
Yesterday 10:42 AM	September grant application	BioSketch	Private

[+ Create New Product](#)

Edit mini profile

Bart Trawick, MS, PhD
Staff Scientist
Public Services Section
National Center for Biotechnology Information, NLM, NIH Bethesda, MD

[edit](#)

Edit Mini Profile ✕

This profile is a quick way to tell people who you are. It will be treated as public information and may also appear in other places, such as your PubMed Commons author page.

Required Information

First Name: * * required field

Last Name: *

Name displayed as:
Add credentials, if desired. E.g., Jack Doe, PhD

Title / Department:

Institution / Company:

Optional Information

ORCID iD: [Connect to your ORCID account](#)

[Cancel](#)

Delegation support

Delegates

My NCBI User Name	E-mail	My Bibliography	SciENCv	Remove
bartman	trawick@mail.nih.gov	☒	☐	

[Add a Delegate](#)

Creating a new SciENcv profile



From Scratch



From an external
source



Duplicate an
existing profile

NIH Biosketch page

Metadata
& options

Biosketch
form

My NCBI » SciENcv » NHGRI application biosketch

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

Product name: NHGRI application biosketch [[Edit](#)]

Download: [PDF](#) [Word](#) [XML](#)

Product type: NIH BioSketch [NIH Biographical Sketch Instructions \(PDF\)](#)

Last Updated: 8 April 2014

Sharing: Public. Share via this URL: [[Stop Sharing](#)]

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](#)

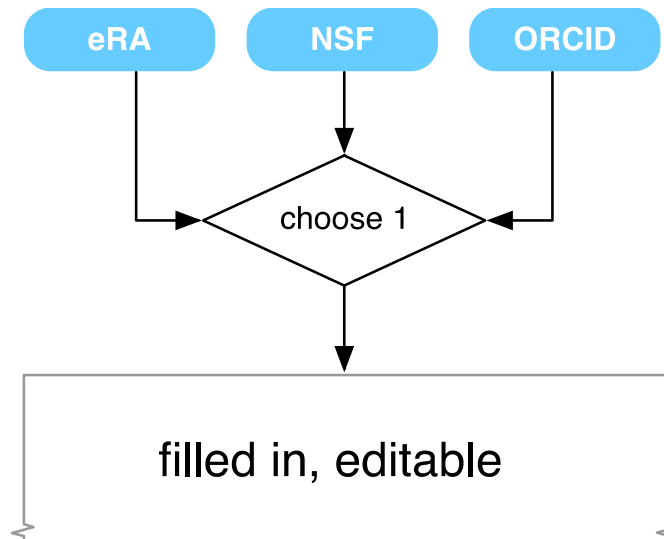
A. PERSONAL STATEMENT [[Edit statement](#)]

Donald Trawick bought the house on Archer Avenue in the winter of his 25th year.

Populating sections with linked data – text fields



**Name,
employment,
etc.**



Controls for editing data

Show/hide
item

Delete/edit
existing items

Honors [[Done](#)]

Select: [All](#) [None](#) 1 item(s) selected unchecked entries are hidden from display

☐	2008	NIH Director's Award, National Institutes of Health	Delete edit
☒	2009	NIH Merit Award, National Institutes of Health	

[+ add another entry](#)

Create new
entry

New entry
dialog box

Add honors [X]

* required field

Honor: *

By Organization:

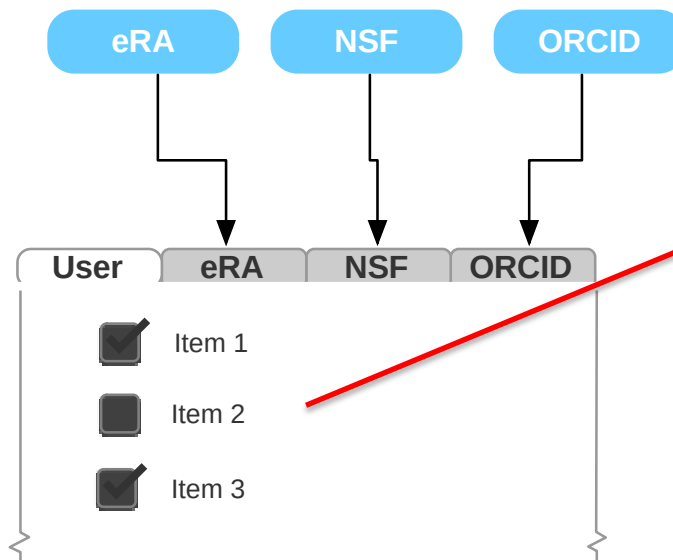
Year:

[Cancel](#)

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.
- ☒ 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.
- ☒ 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.
- ☒ 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.

Selecting awards; external content

Award data
feeds

Show/hide
pick list

eRA

User

Select: [All](#) [None](#) 2 item(s) selected unchecked entries are hidden from display

☒	R01 EB006521- 05, National Institute of Biomedical Imaging and Bioengineering (NIBIB) LAKOWICZ, Joseph R. (PI) Plasmon-Controlled Fluorescence and Cardiac Markers Role: PI	2006/06/01-2016/07/31
☐	R01 EB006521- 04A1, National Institute of Biomedical Imaging and Bioengineering (NIBIB) LAKOWICZ, Joseph R. (PI) Plasmon-Controlled Fluorescence and Cardiac Markers Role: PI	2006/06/01-2016/07/31
☒	R21 HG005090- 03, National Human Genome Research Institute (NHGRI) LAKOWICZ, Joseph R. (PI) DNA Sequencing Using Intrinsic Base Fluorescence Role: PI	2009/09/01-2013/06/30
☐	R01 HG002655- 09, National Human Genome Research Institute (NHGRI) LAKOWICZ, Joseph R. (PI) Metallic Surfaces and Particles in DNA Analysis Role: PI	2003/06/27-2013/06/30
☐	R01 HG002655- 08, National Human Genome Research Institute (NHGRI) LAKOWICZ, Joseph R. (PI) Metallic Surfaces and Particles in DNA Analysis Role: PI	2003/06/27-2013/06/30
☐	R01 HG002655- 07, National Human Genome Research Institute (NHGRI) LAKOWICZ, Joseph R. (PI) Metallic Surfaces and Particles in DNA Analysis Role: PI	2003/06/27-2013/06/30
☐	RC1 GM091081- 02, National Institute of General Medical Sciences (NIGMS) LAKOWICZ, Joseph R. (PI) Sub-Wavelength Imaging of Intracellular Metal Ions Role: PI	2009/09/30-2012/08/31
☐	R21 HG005090- 02, National Human Genome Research Institute (NHGRI)	2009/09/01-2012/06/30

Selecting awards; local content

The image shows a software interface for managing research awards. On the left, the 'D. RESEARCH SUPPORT' section contains a list of awards. A red arrow points to the 'Show/hide pick list' label, which points to the 'Select: All None' dropdown. Another red arrow points to the 'Delete/edit existing items' label, which points to the 'Edit Delete' links for an award entry. A third red arrow points to the 'New entry creation' label, which points to the '+ add another award' button. A fourth red arrow points to the 'Edit entry dialog box' label, which points to the 'Edit Award Information' dialog box on the right.

Show/hide pick list

Delete/edit existing items

New entry creation

Edit entry dialog box

Edit Award Information

* required information

Funding source: * American Heart Associaton

Grant ID: * ABC-123456

From: 2009 * 01 01

To: 2012 * 01 01

Project title: * Help me Rhonda

Project description: Turns out, there was this girl named Rhonda and I needed to help her.

Your role: * Principal Investigator

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 Intrinsic Base Fluorescence	
Role: PI	
ABC-123456, American Heart Association	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	

Biosketch PDF export

Program Director/Principal Investigator (Last, First, Middle): EVERS, BERNARD MARK

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. DO NOT EXCEED FOUR PAGES.

NAME EVERS, BERNARD MARK	POSITION TITLE Director, Vice-Chair Research UNIVERSITY OF KENTUCKY
eRA COMMONS USER NAME (agency login) MEVERS	

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/YYYY	FIELD OF STUDY
University of Texas Medical Branch	OTHER -- MMS	1/1991	Science
University of Tennessee, Knoxville	BACHELOR OF ARTS (AB)	1/1979	VET MEDICINE:MICROBIOLOGY, Microbiology
University of Tennessee, Memphis	DOCTOR OF MEDICINE (MD)	1/1983	OTHER AREAS, Medicine
UNIVERSITY OF KENTUCKY	NIH training grant		
UNIVERSITY OF KENTUCKY	NIH training grant		

A. PERSONAL STATEMENT

B. POSITIONS AND HONORS

Positions and Employment

2009 - Director, Vice-Chair Research, 2793601 UNIVERSITY OF KENTUCKY
1988 - 2009 Distinguished Chair and Professor, 578406 UNIVERSITY OF TEXAS MEDICAL BR GALVESTON

Other Experience and Professional Memberships

Honors

C. SELECTED PEER-REVIEWED PUBLICATIONS

- 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.
- 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.
- 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.

D. RESEARCH SUPPORT

Ongoing Research Support

PHS 398/2590 (Rev. 06/09)

Page 1

Continuation Format Page

Program Director/Principal Investigator (Last, First, Middle): EVERS, BERNARD MARK

R01DK048498-16 BERNARD MARK EVERS (PI)
3/15/1996-5/31/2014
Surgical Studies of Functional Gene Expression
Role: PI

R25CA153954-01 BERNARD MARK EVERS (PI)
9/3/2010-7/31/2015
The University of Kentucky Cancer Nanotechnology Training Center (UK CNTC)
Role: MPI

P30CA147886-02 BERNARD MARK EVERS (PI)
9/3/2009-8/31/2013
Supporting New Faculty Recruitment Through Biomedical Research Core Center
Role: PI

R37AG010885-21 BERNARD MARK EVERS (PI)
8/1/1992-5/31/2013
Surgical Studies of Ontogeny, Aging and the Gut
Role: PI

R01DK048498-17 BERNARD MARK EVERS (PI)
3/15/1996-5/31/2014
Surgical Studies of Functional Gene Expression
Role: PI

P20CA150343-03 BERNARD MARK EVERS (PI)
9/28/2009-8/31/2013
UK SPORE in Gastrointestinal Cancer
Role: PI

R25CA153954-02 BERNARD MARK EVERS (PI)
9/3/2010-7/31/2015
The University of Kentucky Cancer Nanotechnology Training Center (UK CNTC)
Role: MPI

T32CA160003-01 BERNARD MARK EVERS (PI)
7/1/2011-6/30/2016
Oncology Research Training for Surgeon-Scientists
Role: PI

R44GM084552-04 BERNARD MARK EVERS (PI)
7/1/2008-8/31/2013
New Reagents for Synthesis of High Potency siRNA
Role: MPI

R01DK048498-18 BERNARD MARK EVERS (PI)
3/15/1996-5/31/2014
Surgical Studies of Functional Gene Expression
Role: PI

T32CA160003-02 BERNARD MARK EVERS (PI)
7/1/2011-6/30/2016
Oncology Research Training for Surgeon-Scientists

PHS 398/2590 (Rev. 06/09)

Page 2

Continuation Format Page

Biosketch PDF export

Program Director/Principal Investigator (Last, First, Middle): EVERS, BERNARD MARK

BIOGRAPHICAL SKETCH

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

NAME	POSITION TITLE
EVERS, BERNARD MARK	Director, Vice-Chair Research
eRA COMMONS USER NAME (agency login)	UNIVERSITY OF KENTUCKY
MEVERS	

EDUCATION/TRAINING

(Begin with baccalaureate or other initial professional education, such as nursing. Include postdoctoral training and residencies.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YYYY	
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University of Tennessee, Knoxville	BACHELOR OF ARTS (AB)	1/1979	VET M Microb
University of Tennessee, Memphis	DOCTOR OF MEDICINE (MD)	1/1983	OTHER
UNIVERSITY OF KENTUCKY	NIH training grant		
UNIVERSITY OF KENTUCKY	NIH training grant		

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Other Experience and Professional Memberships

Honors

C. SELECTED PEER-REVIEWED PUBLICATIONS

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- Wang X, Gulhati P, Li J, Dobner PR, Weiss H, Townsend CM Jr, Evers BM. C/EBP β regulating the expression of the human neurotensin/neuromedin N gene. *J Biol Chem. 2003;278(12):12035-40.* PubMed PMID: 21030593; PubMed Central PMCID: PMC3013014.
- Wang X, Jackson LN, Johnson SM, Wang Q, Evers BM. Suppression of neuroinflammation and function by histone deacetylase inhibitors in human colorectal cancers. *Mol Cell. 2008;32(3):408-18.* PubMed PMID: 20663927; PubMed Central PMCID: PMC2932703.

D. RESEARCH SUPPORT

Ongoing Research Support

PHS 398/2590 (Rev. 06/09) Page 1

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Design & Develop Enhancements Required by NSF

- Add ability to create NSF biosketches
- Interface with NSF systems for pre-population of SciENCv
- ✓ – Allow delegates to create/maintain SciENCv profiles
- ✓ – Add additional output options such as plain text, MS Word
- Allow ingest of publications and other research products from ORCID or another external data source

Future Directions

1. Add support for additional agencies
2. Add more external profile/citation sources
3. Add support for enhanced NIH biosketch
4. Develop networking aspect?

Questions/Comments?