Using MyNCBI and SciENcv to Create Your NIH or NSF Biosketch

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Office of the Provost

Recent Changes to NSF Biosketch Requirements

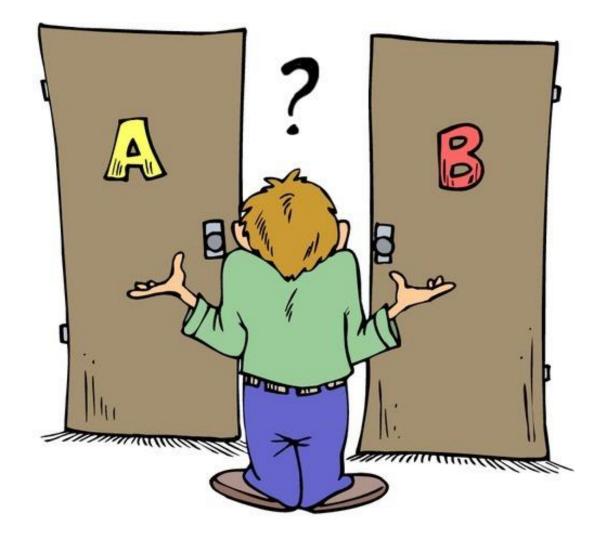


For new proposals submitted or due on or after October 5, 2020, applicants are required to use an NSF-approved format for preparation of the biographical sketch.

Recent Changes to NSF Biosketch Requirements (continued, 2)

There are two currently approved formats for creating biographical sketches:

- 1. SciENcv (RECOMMENDED)
- 2. NSF Fillable PDF



Recent Changes to NSF Biosketch Requirements (continued, 3)

1. SciENcv

- NSF has partnered with the National Institutes of Health (NIH) to use SciENcv: Science Experts Network Curriculum Vitae as an NSF-approved format for use in preparation of the biographical sketch section of an NSF proposal.
- Adoption of a single, common researcher profile system for Federal grants reduces administrative burden for researchers.
- SciENcv will produce an NSF-compliant PDF version of the biographical sketch. Proposers
 must save these documents and submit them as part of their proposals via FastLane,
 Research.gov or Grants.gov.

Recent Changes to NSF Biosketch Requirements (continued, 4)

2. NSF Fillable PDF

- NSF is providing a fillable PDF for use in preparation of the biographical sketch. Proposers should download and save the blank PDF document prior to adding content. NSF recommends both Mac and Windows users open and fill in the blank PDF document using Adobe Acrobat Reader for an optimized experience. The completed and saved PDF can then be uploaded via FastLane, Research.gov or Grants.gov.

Upcoming Changes to NIH Biosketches and Other Support

- Per Notice NOT-OD-21-073, new applications and progress reports (RPPRs) due on or after May 25, 2021 are encouraged to use updated Biosketch and Other Support format page templates
- Applications due on or after January 25, 2022 **will be required** to follow the updated guidelines (per Notice NOT-OD-21-110)
- If you do not use the updated format pages before they are required, you are still responsible for disclosing all research endeavors.

The Biographical Sketch (Biosketch)

Benefits to grant applicants:

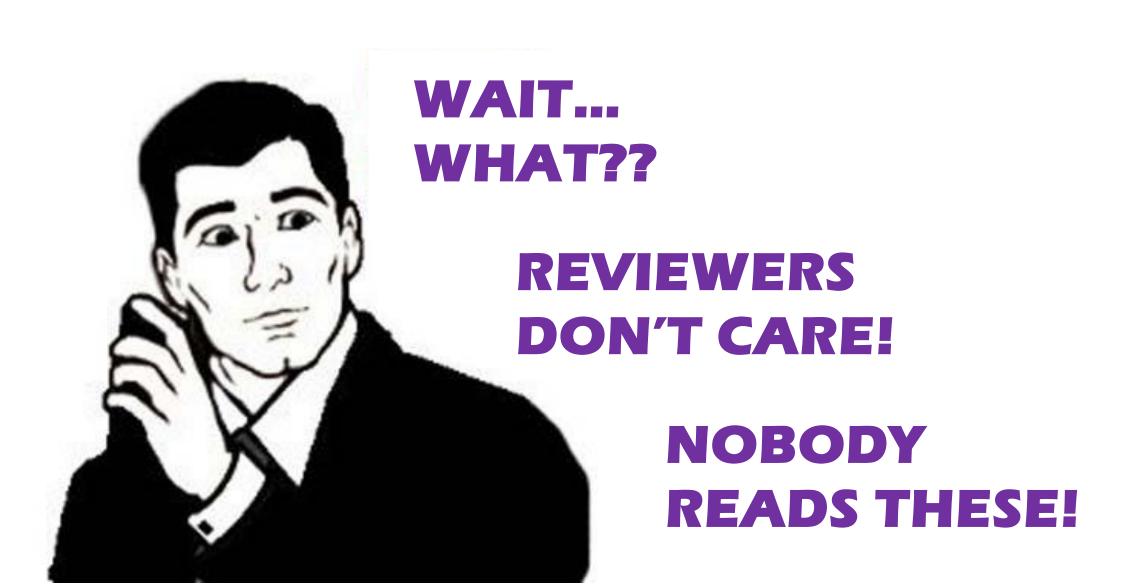
- Highlights your accomplishments
- Ability to explain personal factors such as name changes and breaks in work or productivity
- Reinforces to reviewers that you have the unique expertise required to complete your proposed project
- Opportunity to describe prior collaborations among the research team

The Biographical Sketch (Biosketch) (continued)

Benefits to faculty members:

- Personal Statement and Contributions to Science section can be used to populate websites and help you to manage your online presence
- These write-ups can also be modified to create brief biographical statements when required for various applications and publications

Why Care?



Scored Review Criteria

1. Significance.

Does the project address an important problem or a critical barrier to progress in the field? Is there a strong scientific premise for the project? If the aims of the project are achieved, how will scientific knowledge, technical capability, and/or clinical practice be improved? How will successful completion of the aims change the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field?

2. Investigator(s).

Are the PD/PIs, collaborators, and other researchers well suited to the project? If Early Stage Investigators or those in the early stages of independent careers, do they have appropriate experience and training? If established, have they demonstrated an ongoing record of accomplishments that have advanced their field(s)? If the project is collaborative or multi-PD/PI, do the investigators have complementary and integrated expertise; are their leadership approach, governance and organizational structure appropriate for the project?

3. Innovation.

Does the application challenge and seek to shift current research or clinical practice paradigms by utilizing novel theoretical concepts, approaches or methodologies, instrumentation, or interventions? Are the concepts, approaches or methodologies, instrumentation, or interventions novel to one field of research or novel in a broad sense? Is a refinement, improvement, or new application of theoretical concepts, approaches or methodologies, instrumentation, or interventions proposed?

4. Approach.

Are the overall strategy, methodology, and analyses well-reasoned and appropriate to accomplish the specific aims of the project? Have the investigators presented strategies to ensure a robust and unbiased approach, as appropriate for the work proposed? Are potential problems, alternative strategies, and benchmarks for success presented? If the project is in the early stages of development, will the strategy establish feasibility and will particularly risky aspects be managed? Have the investigators presented adequate plans to address relevant biological variables, such as sex, for studies in vertebrate animals or human subjects?

If the project involves human subjects and/or NIH-defined clinical research, are the plans to address 1) the protection of human subjects from research risks, and 2) the inclusion (or exclusion) of individuals on the basis of sex/gender, race, and ethnicity, as well as the inclusion (exclusion) of children, justified in terms of the scientific goals and research strategy proposed?

5. Environment.

Will the scientific environment in which the work will be done contribute to the probability of success? Are the institutional support, equipment and other physical resources available to the investigators adequate for the project proposed? Will the project benefit from unique features of the scientific environment, subject populations, or collaborative arrangements?

The Biographical Sketch (Biosketch) (continued, 3)

2. Investigators

- Are the PD/PIs, collaborators and other researchers well suited to the Project?
- If Early Stage Investigators or those in the early stages of independent careers, do they have appropriate experience and training?
- If established, have they demonstrated an ongoing record of accomplishments that have advanced their field(s)?
- If the project is collaborative or multi-PD/PI, do the investigators have complementary and integrated expertise?
 - Are their leadership approach, governance and organizational structure appropriate for the project?

My NCBI and SciENcv



SciENcy: Science Experts Network Curriculum Vitae

A researcher profile system for all individuals who apply for, receive or are associated with research investments from federal agencies. SciENcv is available in My NCBI.

My NCBI

Customize this page | NCBI Site Preferences | Video Overview | Help



My NCBI and SciENcv (continued)

Drawbacks:

- Cumbersome to get started
- Does not eliminate the need to use Word

• Advantages:

- Makes it easier to add publications to your biosketch and swap out existing ones
- Less time spent worrying about Public Access Policy compliance
- Seamlessly updates to new form versions when they are released
- Allows you to create and maintain multiple versions of your biosketch that are tailored for different types of projects

Science Experts Network Curriculum Vitae

- SciENcv is an electronic system that was developed by the National Center for Biotechnology Information (NCBI) at the National Institutes of Health, with input from an interagency workgroup including members from the National Institutes of Health, National Science Foundation (NSF)Department of Defense, the Department of Energy, the Environmental Protection Agency, The Smithsonian, and the United States Department of Agriculture.
- SciENcv aims to save time and reduce administrative burden associated with federal grants.

Science Experts Network Curriculum Vitae (SciENcv)

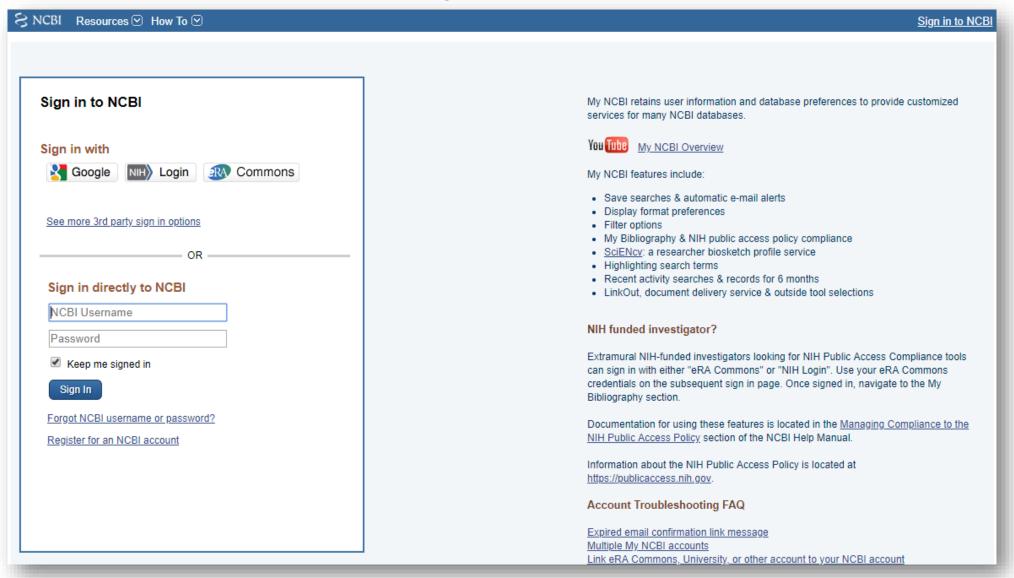
Principles of SciENcv (from NCBI):

- Any researcher may register
- Leverages data from existing systems
- Data are owned by the researcher
- Researcher controls what data are public
- Researcher edits and maintains information
- Researcher provides own data to describe research outcomes
- Researcher has ultimate control over data in biosketch



Sign in to NCBI

Login to NCBI



MyNCBI |

Sign in to NCBI
using your
eRA Commons
login and password





User Name:	
Password:	

Log in

Change Password





Insert your PIV card into your smart card reader before attempting to login.

For more information visit http://smartcard.nih.gov.

Log in

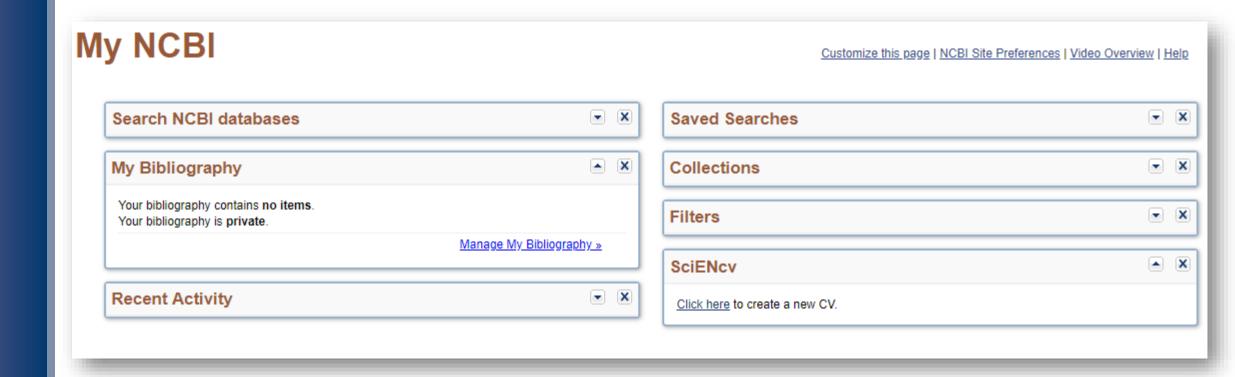
Warning Notice

- This warning banner provides privacy and security notices consistent with applicable federal laws, directives, and other federal guidance for accessing this Government system, which includes (1) this computer network, (2) all computers connected to this network, and (3) all devices and storage media attached to this network or to a computer on this network.
- This system is provided for Government-authorized use only.
- Unauthorized or improper use of this system is prohibited and may result in disciplinary action and/or civil and criminal penalties.
- Personal use of social media and networking sites on this system is limited as to not interfere with official work duties and is subject to monitoring.
- By using this system, you understand and consent to the following:
 - The Government may monitor, record, and audit your system usage, including usage of personal devices and email systems for official duties or to conduct HHS business. Therefore, you have no reasonable expectation of privacy regarding any communication or data transiting or stored on this system. At any time, and for any lawful Government purpose, the government may monitor, intercept, and search and seize any communication or data transiting or stored on this system.
 - Any communication or data transiting or stored on this system may be disclosed or used for any lawful Government purpose.

If you need assistance - Please call the NIH IT Service Desk 301-496-4357 (6-HELP); 866-319-4357 (toll-free) or Submit a Service Desk Ticket



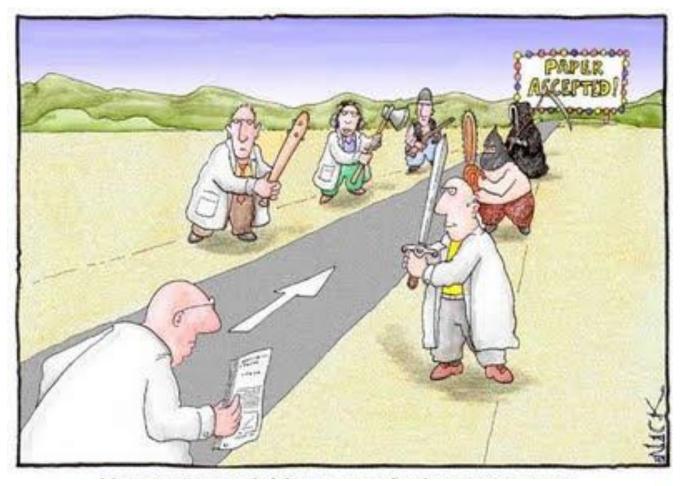




Creating a Bibliography in MyNCBI

A link to a publicly accessible list of your publications on your biosketch is RECOMMENDED.

This link must have a ".gov" address.

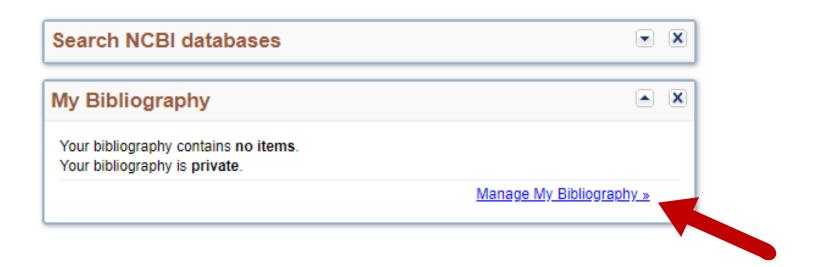


Most scientists regarded the new streamlined peer-review process as "quite an improvement."

Creating a Bibliography in MyNCBI (continued, slide 2)

- Adding citations from Pub Med:
 - 1. Sign into My NCBI and select Manage My Bibliography

My NCBI



Creating a Bibliography in MyNCBI (continued, slide 3)

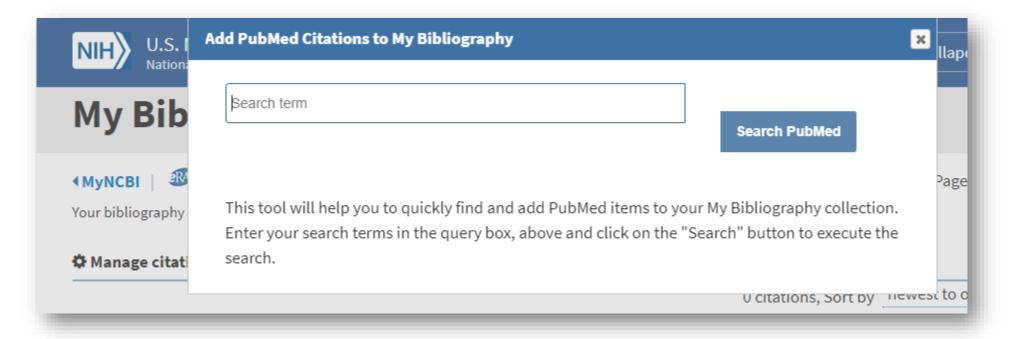
- Adding citations from PubMed:
 - 2. Select Add Citations > From PubMed



Creating a Bibliography in MyNCBI (continued, slide 4)

• Adding citations from PubMed:

- 3. Run an author search
 - You may need to do this more than once to capture publications that are missing your middle initial or have other variations on your name



Creating a Bibliography in MyNCBI (continued, slide 5)

• Adding citations from PubMed:

4. Select the citations you want to add to My Bibliography, and then select "Add to My Bibliography"



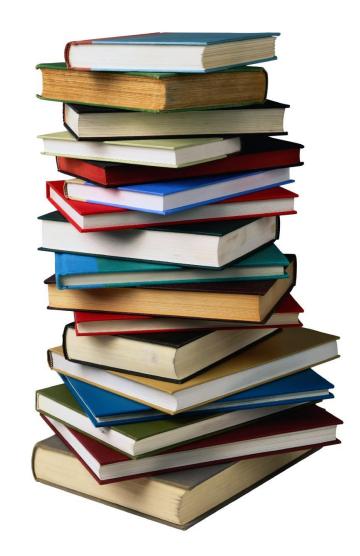
NOTE:

The system will prevent you from duplicating the publications you select from PubMed.

Creating a Bibliography in MyNCBI (continued, slide 6)

You can also manually add works that are not in PubMed, including:

- Books and chapters
- Meeting abstracts
- Patents
- Presentations
- Journal articles that do not appear in PubMed
- Presentations
- Datasets or databases
- Software
- Interim products
- Other (non-standard citations)



The NIH Public Access Policy

■ The NIH Public Access Policy implements Division F Section 217 of PL 111-8 (Omnibus Appropriations Act, 2009). The law states:

The Director of the National Institutes of Health ("NIH") shall require in the current fiscal year and thereafter that all investigators funded by the NIH submit or have submitted for them to the National Library of Medicine's PubMed Central an electronic version of their final, peer-reviewed manuscripts upon acceptance for publication, to be made publicly available no later than 12 months after the official date of publication: Provided, that the NIH shall implement the public access policy in a manner consistent with copyright law.

The NIH Public Access Policy (continued)

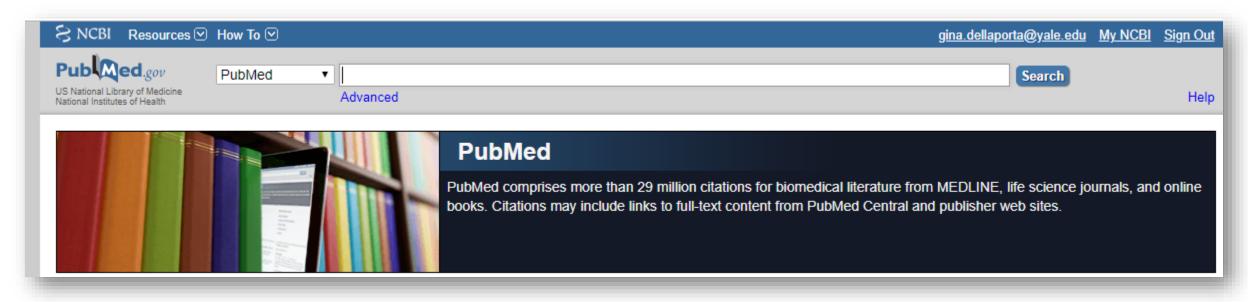
■ The Policy applies to any manuscript that:

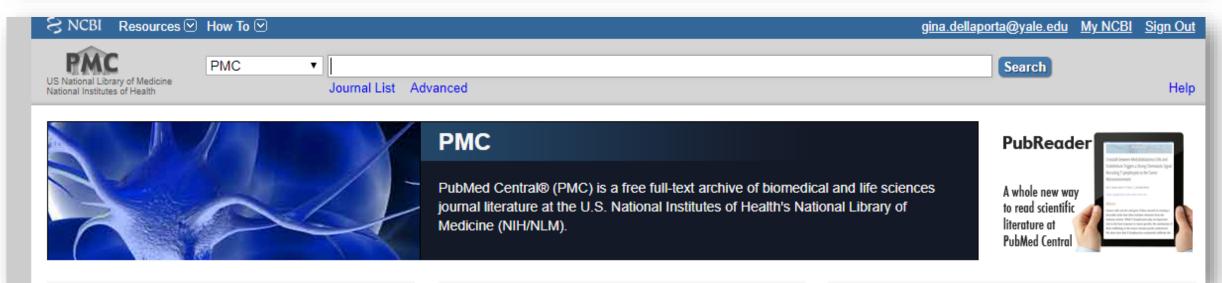
- Is peer-reviewed;
- And is accepted for publication in a journal on or after April 7, 2008;
- And arises from:
 - Any direct funding from an NIH grant or cooperative agreement active in Fiscal Year 2008 or beyond, or;
 - Any direct funding from an NIH contract signed on or after April 7, 2008, or;
 - Any direct funding from the NIH Intramural Program, or;
 - An NIH employee

Complying with the Public Access Policy

- Anyone submitting an application, proposal or report to the NIH must include the PubMed Central reference number (PMCID) when citing applicable papers they authored or that resulted from their NIH-funded research.
- The PMCID is different from the PubMed reference number (PMID).
 - PubMed Central is an index of full-text papers, while PubMed is an index of abstracts.
 - The PMCID links to full-text papers in PubMed Central, while the PMID links to abstracts in PubMed.

PubMed \neq PubMed Central





Complying with the Public Access Policy (continued, 2)



Crowder SJ, Hanna KM, Carpenter JS, Broome ME. Factors Associated with Asthma Self-Management in African American Adolescents. J Pediatr Nurs. 2015 Nov-Dec;30(6):e35-43. doi: 10.1016/j.pedn.2015.03.005. PMID: 25936998.



Crowder SJ, Hanna KM, Carpenter JS, Broome ME. Factors Associated with Asthma Self-Management in African American Adolescents. J Pediatr Nurs. 2015 Nov-Dec;30(6):e35-43. PMID: 25936998. PMCID: PMC4624611.



Crowder SJ, Hanna KM, Carpenter JS, Broome ME. Factors Associated with Asthma Self-Management in African American Adolescents. J Pediatr Nurs. 2015 Nov-Dec;30(6):e35-43. PMCID: PMC4624611.

Complying with the Public Access Policy (continued, slide 3)



Crowder SJ, Hanna KM, Carpenter JS, Broome ME. Factors Associated with Asthma Self-Management in African American Adolescents. J Pediatr Nurs. 2015 Nov-Dec;30(6):e35-43. doi: 10.1016/j.pedn.2015.03.005. PMID: 25936998.



Crowder SJ, Hanna KM, Carpenter JS, Broome ME. Factors Associated with Asthma Self-Management in African American Adolescents. J Pediatr Nurs. 2015 Nov-Dec;30(6):e35-43. PMID: 25936998. PMCID: PMC4624611.



Crowder SJ, Hanna KM, Carpenter JS, Broome ME. Factors Associated with Asthma Self-Management in African American Adolescents. J Pediatr Nurs. 2015 Nov-Dec;30(6):e35-43. PMCID: PMC4624611.

Complying with the Public Access Policy (continued, slide 4)



DOIs (Digital Object Identifiers) are NOT required for publications listed on your biosketch



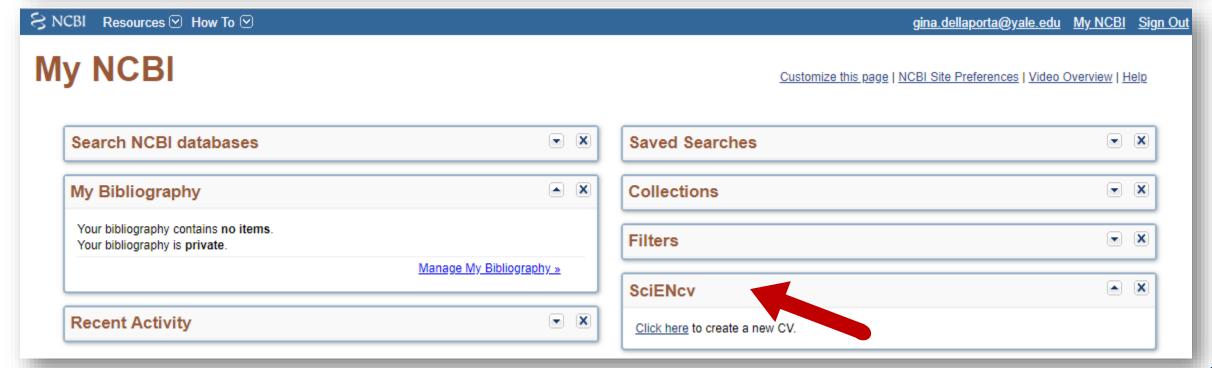
PMIDs (PubMed reference numbers) are NOT required for publications listed on your biosketch



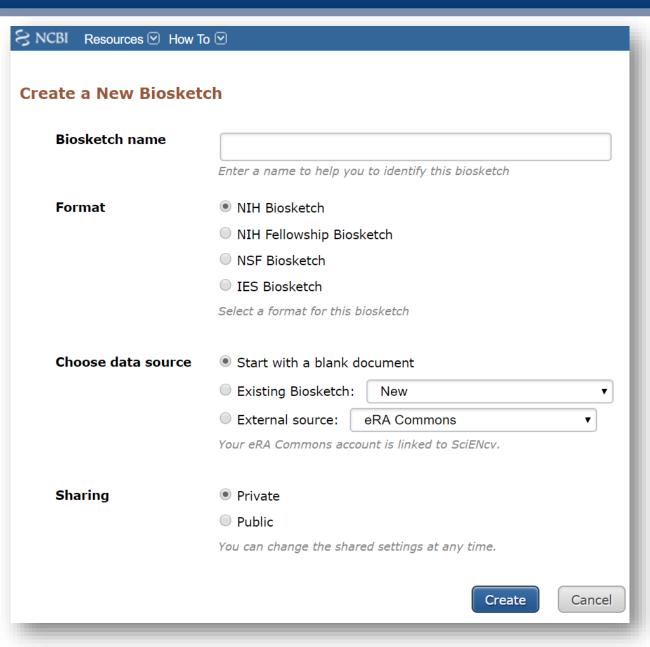
PMCIDs or other evidence of compliance ARE required for publications listed on your biosketch that fall under the Public Access Policy

SciENcv





Creating a Biosketch using SciENcv



Profile name: Gina Sample NIH Biosketch [Edit]

NIH BioSketch NIH Biographical Sketch Instructions (PDF)

Last Updated: 12 August 2019
Sharing: Private [Change]

NAME [Edit] Della Porta, Gina

Profile type:

Click here to link eRA Commons account

EDUCATION/TRAINING

(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.) You have not listed any degree or training. Please add one.

A. Personal Statement [Edit statement]

You have not yet provided a personal statement.

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

[Select citations]

You have not listed any citations.

B. Positions and Honors

Positions and Employment

You have not listed any employment. Please add one.

Other Experience and Professional Memberships

You have not listed any professional memberships. Please add one.

Honors

You have not listed any honors. Please add one.

C. Contribution to Science [Edit section]

This section is currently empty. Click on edit section to add your contributions.

D. Additional Information: Research Support and/or Scholastic Performance [Edit awards]

There are no awards linked to this profile. Please edit the list to see available awards.

Download: PDF Word XML

Creating a Biosketch using SciENcv: Add Education/Training

Profile name: Gina Sample NIH Biosketch [Edit]

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

Last Updated: 12 August 2019

Sharing: Private [Change]

NAME [Edit]
Della Porta, Gina

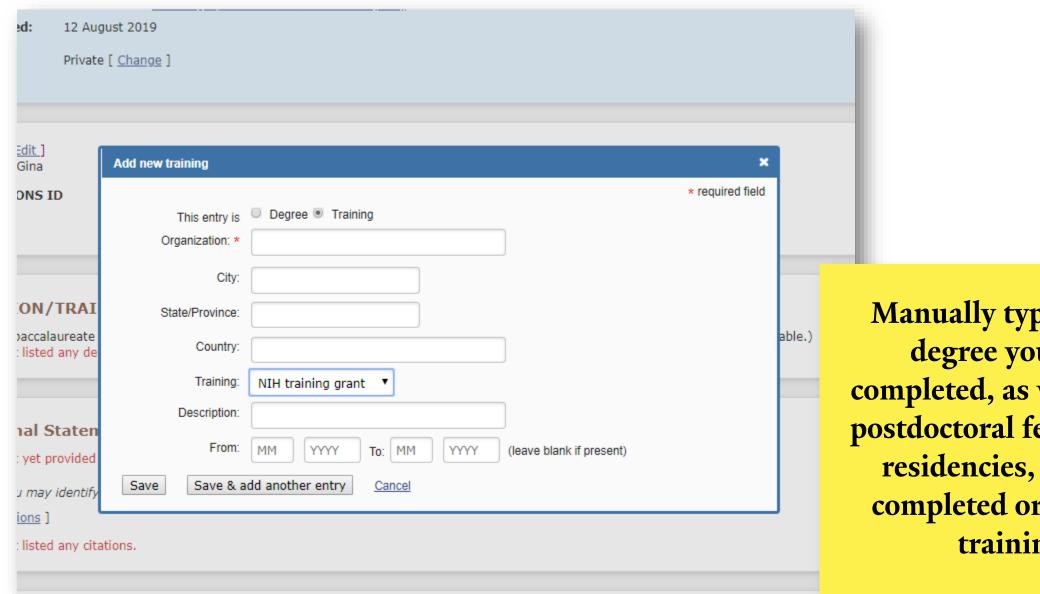
eRA COMMONS ID g_dellaporta

EDUCATION/TRAINING

(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.) You have not listed any degree or training. Please add one.

Download: PDF Word XML

Creating a Biosketch using SciENcv: Type Education/Training



Manually type in each degree you have completed, as well as any postdoctoral fellowships, residencies, or other completed or ongoing training.

Education/Training Section of the Biographical Sketch Form

OMB No. 0925-000	1 and 0925-0002 (Rev. 0	09/17 Approved Through 03/31/2
RAPHICAL SKE	тсн	
	_	tributors.
g., agency login):		
	•	,
DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
	RAPHICAL SKE or the Senior/key personnel a reach person. DO NOT EXC g., agency login): ureate or other initial aining if applicable. A	reate or other initial professional education of applicable. Add/delete rows as DEGREE END DATE

Creating a Biosketch using SciENcv: Personal Statement

A. Personal Statement [Edit statement]

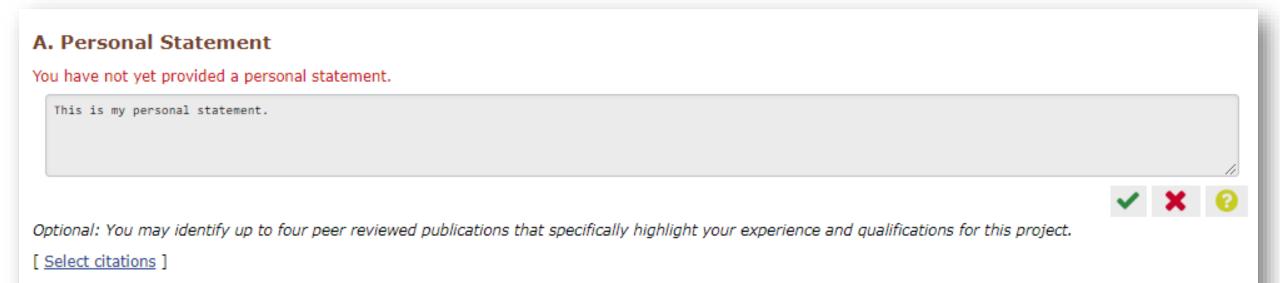
You have not yet provided a personal statement.

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

[Select citations]

You have not listed any citations.

Creating a Biosketch using SciENcv: Type Personal Statement



You have not listed any citations.

Creating a Biosketch: Personal Statement

A. Personal Statement

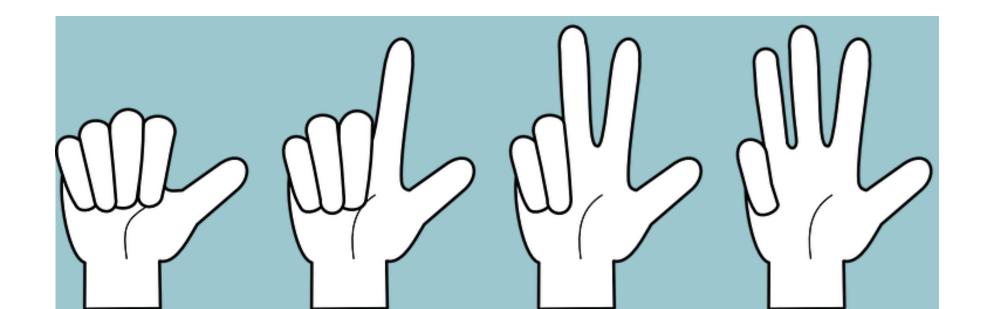
- Explain why you are qualified for your role on the project
 - This may include describing your training, previous work related to this topic, technical expertise, etc.
- Briefly describe prior collaboration with members of your research team and highlight important contributions



Creating a Biosketch: Personal Statement Citations

A. Personal Statement

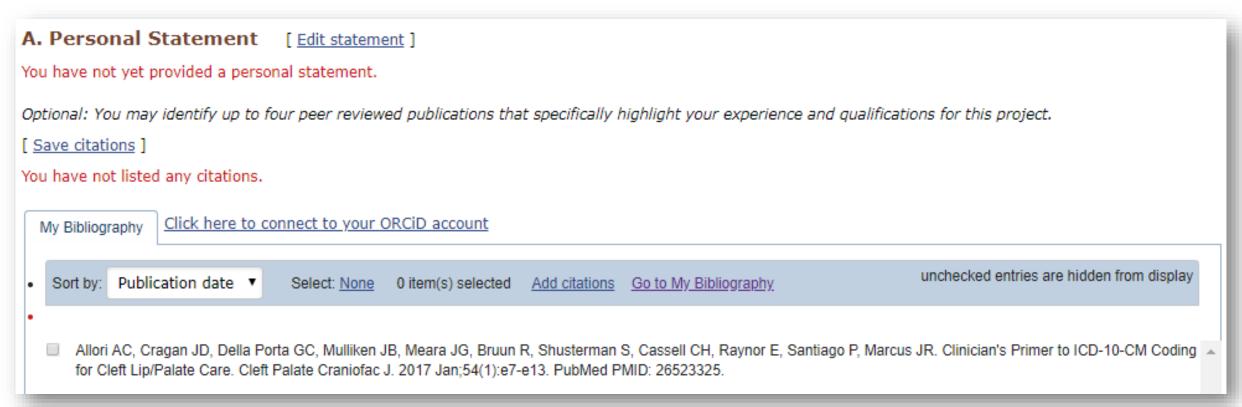
- Cite up to 4 publications or research products
 - -In addition to peer-reviewed articles, this can include items such as audio/video products, meeting abstracts, patents, databases, and educational aids



Personal Statement: Adding Publications to Cite

A. Personal Statement

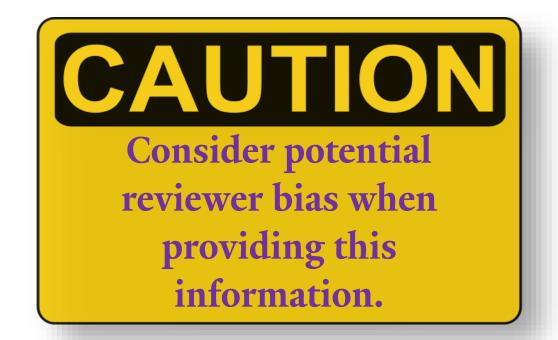
• Using My Bibliography in MyNCBI makes it easier to track publications and add them to your biosketch in SciENcv



Personal Statement Considerations

A. Personal Statement

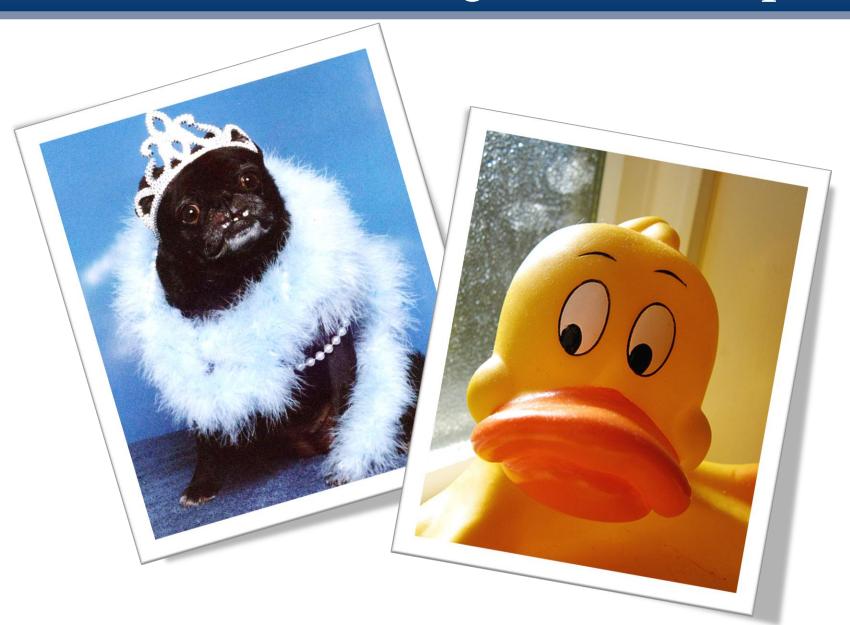
- Clarify if you have published under another name
- Explain factors that affected your past productivity, such as family responsibilities or military service



Potential for Reviewer Bias in Grant Reviews



Personal Statement: Figures and Graphics



No figures or graphics are allowed.

Creating a Biosketch using SciENcv: Positions and Honors

B. Positions and Honors

Positions and Employment

You have not listed any employment. Please add one.

Other Experience and Professional Memberships

You have not listed any professional memberships. Please add one.

Honors

You have not listed any honors. Please add one.

Positions and Honors: What to Include

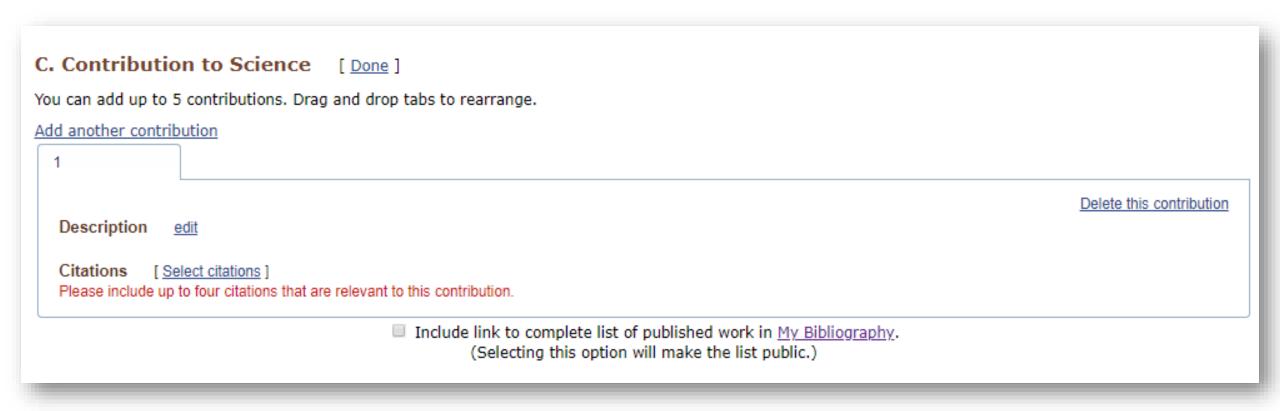
B. Positions and Honors

 List your previous relevant positions in chronological order, concluding with your present position



- List professional and academic achievements
- Junior faculty should include scholarships, traineeships, fellowships, and development awards
- Clinicians should include clinical licensures and specialty board certifications

Creating a Biosketch using SciENcv: Contribution to Science



Creating a Biosketch: Contribution to Science Example

Excerpt from NIH Sample Biosketch:

- 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. 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.
 - c. 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

Creating a Biosketch: Contribution to Science Basics

- Describe **up to 5** of your most significant contributions to science
 - IT IS OK TO LIST FEWER THAN 5 CONTRIBUTIONS
- Each description should be ½ page or less, including citations



Contribution to Science: Getting Started

- For each contribution, indicate:
 - the historical background that frames the scientific problem
 - the central finding(s)
 - the influence of the finding(s) on the progress of science or the application of those finding(s) to health or technology
 - your specific role in the described work
- For each contribution, cite up to 4 relevant publications or research products
 - Do not cite manuscripts that have not been accepted for publication

Contribution to Science: Citations and Publications

- You are allowed to cite interim research products
 - There are specific citation requirements:
 - View the NIH Interim Research Produce FAQs website
- You may provide a URL to a full list of your publications
 - This URL must have a .gov suffix
 - NIH recommends using My Bibliography
 - Providing a URL to a list of published work is not required
- Contribution descriptions can mention research products under development, such as manuscripts that have not yet been accepted for publication

Creating a Biosketch using SciENcv: Research Support

D. Additional Information: Research Support and/or Scholastic Performance [Done]

Please check/uncheck to show/hide automatically imported grants. You can modify or delete only those grants in the User tab.

eRA User

Note: Do not use this tab to add NIH grants. Please use the eRA tab to add your NIH funding.

You have not added any awards manually.

add another award

Creating a Biosketch: Research Support

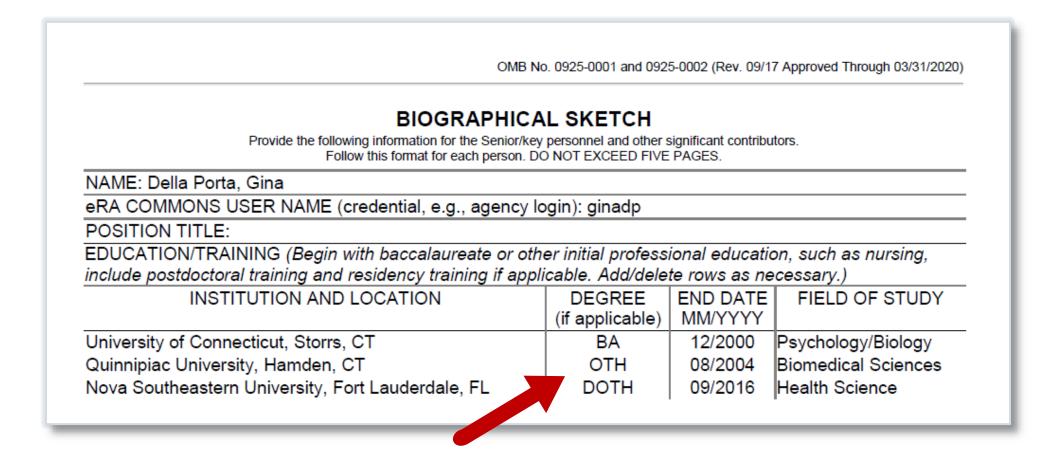
D. Research Support

- List ongoing and completed research projects from the past 3 years that you want to draw attention to
- Briefly indicate the overall goals of the projects and your responsibilities
- Do not include person months or direct costs
- Do not confuse "Research Support" with "Other Support."
 - -Other Support information is not collected at the time of application submission



Exporting Your Biosketch from SciENcv

■ Some degrees are not available in the SciENcv dropdown. These fields must be manually edited in the Word document



Exporting Your Biosketch from SciENcv (continued)

 SciENcv uses extra spacing and larger fonts for headings when it creates the Word document. You will need to manually correct these formatting issues as well.

B. Positions and Honors

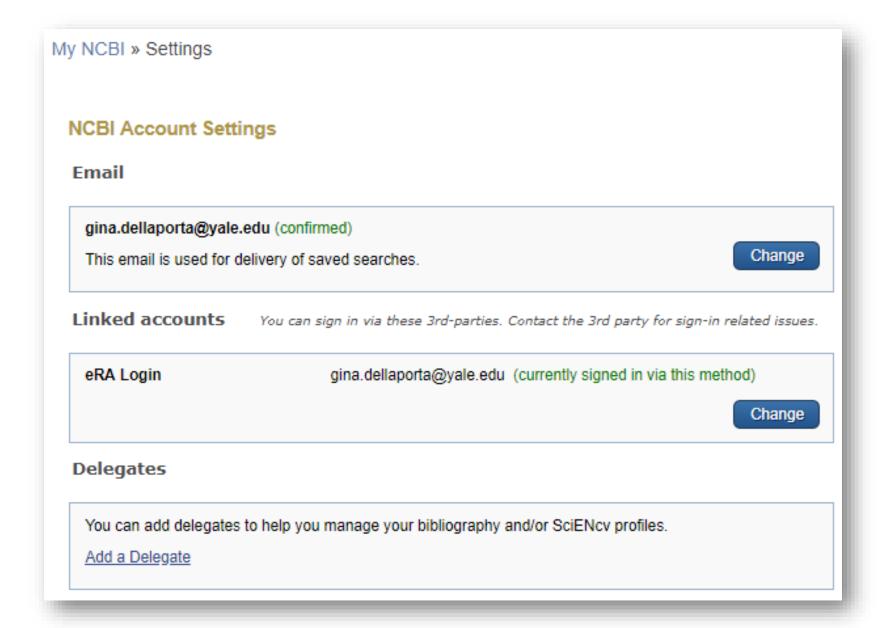
Positions and Employment

Other Experience and Professional Memberships

Honors

- C. Contribution to Science
- D. Additional Information: Research Support and/or Scholastic Performance

Adding a Delegate in My NCBI



Thank you!

Contact internal.proposals@yale.edu with any questions