

An Introduction on How to Use the SciENcv Profile System

Stephanie Tofighi, MSPP
University of New Mexico



Working within the NSF Restrictions

- **Fillable pdf**

- Inflexible formatting on biosketch includes excessive space for professional preparation and limited space for other significant products and synergistic activities
- Current and pending document is 15 pages long and per NSF guidelines should not be altered.

- **sciENCv**

- Default font size is larger than minimum allowed
- Document can only be downloaded as pdf and cannot be altered per NSF regulations



Agenda

- My NCBI
- Assigning Delegates
- My Bibliography
- How to Use sciENcv
 - NSF Biosketch
 - NSF Current and Pending
- Using Existing Documents as Templates for other Types of Biosketches



Presentation Glossary

- **Owner** – Refers to the person who owns the biosketch and current and pending information. For the sake of this presentation, the owner is the PI who will delegate authority to their My Bibliography, sciENCv, or ORCID accounts to an administrator.
- **User** – Refers to the delegated person who is given authority to build and/or modify a biosketch or current and document for a PI using the sciENCv system. For the sake of this presentation, the user is the delegated administrator.
- **Delegate** – Synonymous with the **User** role.



My NCBI <https://www.ncbi.nlm.nih.gov/account/>

- Sign in to NCBI
 - Google Account
 - NIH/ERA Commons Login
 - 3rd Party Sign in Options
 - Assortment of Organizations
 - National Science Foundation

OR

- Register for an NCBI account
 - Email Address and Password

Sign in to NCBI

Last signed in from this computer via: [National Science Foundation \(NSF\)](#)

Sign in with



[See more 3rd party sign in options](#)

OR

Sign in directly to NCBI

Keep me signed in

Sign In

[Forgot NCBI username or password?](#)

[Register for an NCBI account](#)



My NCBI <https://www.ncbi.nlm.nih.gov/account/>

- Sign in to NCBI
 - Google Account
 - NIH/ERA Commons Login
 - 3rd Party Sign in Options
 - Assortment of Organizations
 - National Science Foundation

OR

- Register for an NCBI account
 - Email Address and Password

Sign in to NCBI

Last signed in from this computer via: [National Science Foundation \(NSF\)](#)

Sign in with



[See more 3rd party sign in options](#)

OR

Sign in directly to NCBI

Keep me signed in

Sign In

[Forgot NCBI username or password?](#)

[Register for an NCBI account](#)



My NCBI

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

Search NCBI databases

Search : PubMed

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

My Bibliography

Your bibliography contains [95 items](#).

Your bibliography is **private**.

10 of your citations require attention. Please click here to resolve the issues.

[Manage My Bibliography »](#)

Recent Activity

Time	Database	Type	Term
Yesterday 07:56 AM	PubMed	record	Multiplex lateral-flow test strips ...
08-May-2020	PubMed	record	Strong, Tough, Stretchable, and Sel...
06-May-2020	Books	record	Using Preferences - My NCBI Help
06-May-2020	Books	record	SciENcv - My NCBI Help
06-May-2020	Books	record	My Bibliography - My NCBI Help
06-May-2020	PubMed	search	Bioinspired Reversibly Cross-linked...
06-May-2020	PubMed	search	Biomimetic molecular assemblies on ...
06-May-2020	PubMed	search	Biomimetic molecular assemblies on ...
06-May-2020	PubMed	search	Nanopatterned Polymer Brushes for T...
06-May-2020	PubMed	record	Tunable assembly of colloidal cryst...

Saved Searches

You don't have any saved searches yet.

Go and [create some saved searches](#) in PubMed or our other databases.

[Manage Saved Searches »](#)

Collections

All bibliographies and Other citations are now in [My Bibliography](#).

Collection Name	Items	Settings/Sharing	Type
Favorites	edit 0	Private	Standard

[Manage Collections »](#)

Filters

Filters for: PubMed

You do not have any active filters for this database.

[Add filters for the selected database.](#)

[Manage Filters »](#)

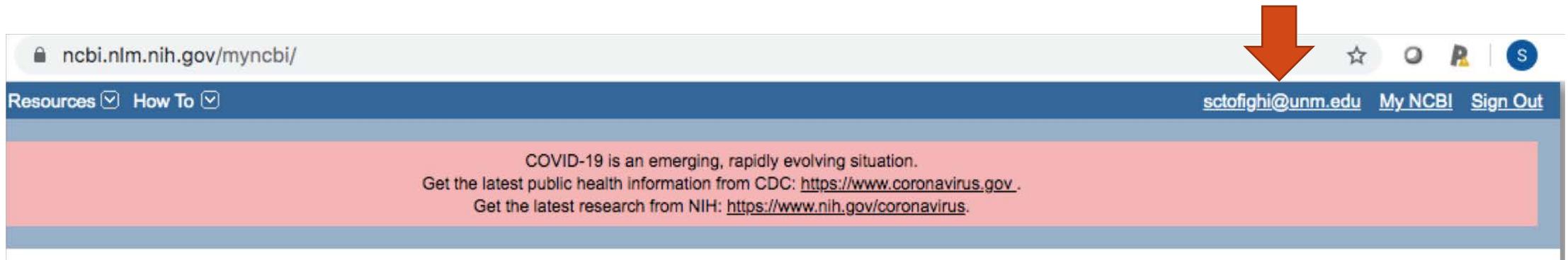
SciENcv

Name	Last Update	Sharing	Type
Gabriel Lopez Biosketch	Yesterday 08:09 AM	Private	NSF Biosketch
Nick Carroll Biosketch	Yesterday 09:03 AM	Public	NSF Biosketch
Lopez Current and Pending	11-May-2020	Private	NSFCurrentAndPendingSupport
Matt Lakin Biosketch	Yesterday 09:37 AM	Private	NSF Biosketch

My NCBI
Homepage

Assigning Delegates

Owners can Assign Delegates or Users to their accounts



Owners should click account name to edit account settings



NCBI Account Settings

Email

sctofighi@unm.edu (confirmed)
This email is used for delivery of saved searches. Change

Linked accounts

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

National Science Foundation (NSF) sctofighi@unm.edu (currently signed in via this method) Change

Delegates

My NCBI User Name	E-mail	My Bibliography	SciENCv	Remove
mjdaniel	mjdaniel@unm.edu	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
mlfishel	mlfishel@unm.edu	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

[Add a Delegate](#)

Owner can Add Delegates with Email Address or Change Levels of Access

Add a delegate

Enter your delegate's email address:

OK Cancel

What'll happen:

- Your delegate will receive an e-mail notifying them of access.
- Your delegate will click a link in the e-mail to activate access.
- If your delegate does not have a My NCBI account, they will be invited to register.



Email Sent to Assigned Delegate

☆ myncbi@ncbi.nlm.nih.gov

Inbox - sctofighi@unm.edu July 14, 2020 at 11:05 AM



[MyNCBI] Delegation request from julia.fulghum@gmail.com

To: sctofighi@unm.edu



[EXTERNAL]

Dear sctofighi@unm.edu,

My NCBI is a free user account system that can be used to store data (such as PubMed citations), searches, and web site preferences for the NCBI web site.

The My NCBI user: julia.fulghum@gmail.com has granted you permission to view and manage his/her bibliography. You will be able to add and remove citations to the bibliography and perform other functions as if you were julia.fulghum@gmail.com. To accept this responsibility, click the link below to log in to or register for My NCBI.

<https://www.ncbi.nlm.nih.gov/account/delegation/?token=qBFpL48ge2fefae7&delegateOf=julia.fulghum%40gmail.com>

If you believe you have received this message in error, you may simply ignore it or contact the requestor julia.fulghum@gmail.com for clarification.

Please do not reply to this message. Replies to this message are routed to an unmonitored mailbox. You may send questions, problems, and comments to info@ncbi.nlm.nih.gov.

Thank you,

The My NCBI Team



Email Sent to Assigned Delegate

☆ myncbi@ncbi.nlm.nih.gov

Inbox - sctofighi@unm.edu July 14, 2020 at 11:05 AM



[MyNCBI] Delegation request from julia.fulghum@gmail.com

To: sctofighi@unm.edu

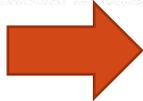


[EXTERNAL]

Dear sctofighi@unm.edu,

My NCBI is a free user account system that can be used to store data (such as PubMed citations), searches, and web site preferences for the NCBI web site.

The My NCBI user: julia.fulghum@gmail.com has granted you permission to view and manage his/her bibliography. You will be able to add and remove citations to the bibliography and perform other functions as if you were julia.fulghum@gmail.com. To accept this responsibility, click the link below to log in to or register for My NCBI.



<https://www.ncbi.nlm.nih.gov/account/delegation/?token=qBFpL48ge2fefae7&delegateOf=julia.fulghum%40gmail.com>

If you believe you have received this message in error, you may simply ignore it or contact the requestor julia.fulghum@gmail.com for clarification.

Please do not reply to this message. Replies to this message are routed to an unmonitored mailbox. You may send questions, problems, and comments to info@ncbi.nlm.nih.gov.

Thank you,

The My NCBI Team



Confirming Delegate Connection

Delegate for julia.fulghum@gmail.com

Delegation Confirmation for My Bibliography and SciENcv

julia.fulghum@gmail.com has added you as a delegate for their bibliography and SciENcv profile in My NCBI. You will be able to view the bibliography, add citations, remove them, and perform other actions on it as if you were julia.fulghum@gmail.com. Similarly, you will be able to view their SciENcv profile and add information, remove items, and perform other actions on it as if you were julia.fulghum@gmail.com.

Confirm Connection

Decline Connection



User Can Access Delegated Accounts from their My NCBI

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.

Saved Searches

You don't have any saved searches yet.

Go and [create some saved searches](#) in PubMed or our other databases.

[Manage Saved Searches »](#)

My Bibliography

Your bibliography contains 781 items.
Your bibliography is **private**.

10 of your citations require attention. [Please click here to resolve the issues.](#)

Delegated Bibliographies

Bibliography	Items	Sharing
Julia Fulghum's bibliography	6	private
Gabriel López's bibliography	78	private
pahenning's bibliography	12	private

[Manage My Bibliography »](#)

Collections

All bibliographies and Other citations are now in [My Bibliography](#)

Collection Name	Items	Settings/Sharing	Type
Favorites	edit 0	Private	Standard

[Manage Collections »](#)

Filters

Filters for: PubMed

You do not have any active filters for this database.
[Add filters for the selected database.](#)

[Manage Filters »](#)

Recent Activity

Time	Database	Type	Term
24-Jun-2020	PMC	record	Cross-disciplinary research in canc...
27-May-2020	PMC	record	Multinode acoustic focusing for par...
18-May-2020	PubMed	record	Multiplex lateral-flow test strips ...
08-May-2020	PubMed	record	Strong, Tough, Stretchable, and Sel...
06-May-2020	Books	record	Using Preferences - My NCBI Help
06-May-2020	Books	record	SciENcv - My NCBI Help
06-May-2020	Books	record	My Bibliography - My NCBI Help
06-May-2020	PubMed	search	Bioinspired Reversibly Cross-linked...
06-May-2020	PubMed	search	Biomimetic molecular assemblies on ...
06-May-2020	PubMed	search	Biomimetic molecular assemblies on ...

[Clear](#) [Turn Off](#)

[See All Recent Activity »](#)

SciENcv

Name	Last Update	Sharing	Type
Gabriel Lopez Biosketch		Private	NSF Biosketch
Tofighi NSF Biosketch	Yesterday 09:24 AM	Private	NSF Biosketch
PubMed NSF Biosketch Example		Private	NSF Biosketch
NSF Current and Pending Document	09:07 AM	Private	NSFCurrentAndPendingSupport
IES Test	09:50 AM	Private	IES Biosketch
IES Test Using NSF Template	09:53 AM	Private	IES Biosketch

Delegated CVs :

- [gplopez@unm.edu](#)
- [julia.fulghum@gmail.com](#)
- [pahenning](#)

Accessing Delegated Accounts from My NCBI

My Bibliography

Your bibliography contains [770 items](#).
Your bibliography is **private**.

[10 of your citations require attention. Please click here to resolve the issues.](#)

Delegated Bibliographies

Bibliography	Items	Sharing
Julia Fulghum's bibliography	6	private
Gabriel López's bibliography	77	private
pahenning's bibliography	10	private

[Manage My Bibliography »](#)

SciENcv

Name	Last Update	Sharing	Type
Gabriel Lopez Biosketch	02:38 AM	Private	NSF Biosketch
Tofighi NSF Biosketch	09-Jul-2020	Private	NSF Biosketch
PubMed NSF Biosketch Example	02:41 AM	Private	NSF Biosketch

Delegated CVs :

gplopez@unm.edu
julia.fulghum@gmail.com
[pahenning](#)

[Manage SciENcv »](#)



Accessing Delegated Accounts from My NCBI

My Bibliography

Your bibliography contains [770 items](#).
Your bibliography is **private**.

[10 of your citations require attention. Please click here to resolve the issues.](#)

Delegated Bibliographies

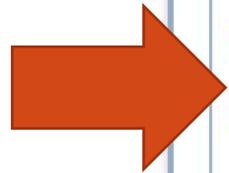
Bibliography	Items	Sharing
Julia Fulghum's bibliography	6	private
Gabriel López's bibliography	77	private
pahenning's bibliography	10	private

[Manage My Bibliography »](#)

Name	Last Update	Sharing	Type
z Biosketch	02:38 AM	Private	NSF Biosketch
Biosketch	09-Jul-2020	Private	NSF Biosketch
F Biosketch	02:41 AM	Private	NSF Biosketch

's :
[z@unm.edu](#)
[lghum@gmail.com](#)
[ning](#)

[Manage SciENcv »](#)



Accessing Delegated Accounts from My NCBI

My Bibliography

Your bibliography contains [770 items](#).

Your bibliography is **private**.

[10 of your citations require attention. Please click here to resolve the issues.](#)

Delegated Bibliographies

Bibliography	Items	Sh
Julia Fulghum's bibliography	6	priva
Gabriel López's bibliography	77	priva
pahenning's bibliography	10	priva

[Manage My Bibliogra](#)

SciENcv

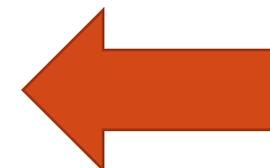
Name	Last Update	Sharing	Type
Gabriel Lopez Biosketch	02:38 AM	Private	NSF Biosketch
Tofighi NSF Biosketch	09-Jul-2020	Private	NSF Biosketch
PubMed NSF Biosketch Example	02:41 AM	Private	NSF Biosketch

Delegated CVs :

gplopez@unm.edu

julia.fulghum@gmail.com

[pahenning](#)



[Manage SciENcv »](#)



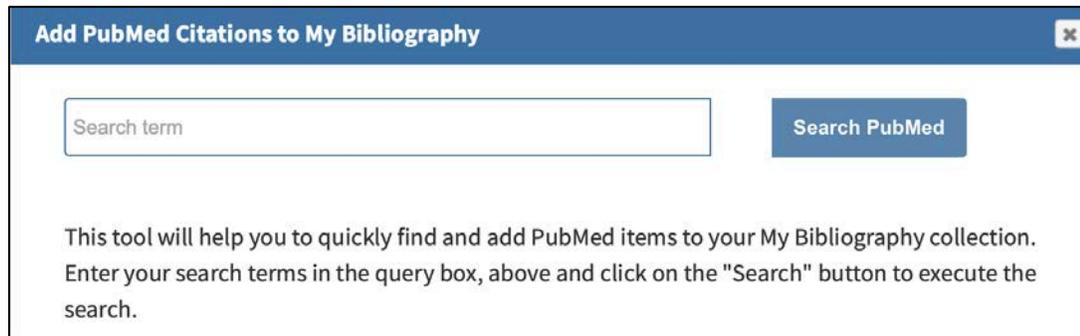
How to Use My Bibliography

- Prime way to add products to sciENcv generated biosketches

The screenshot shows the 'My Bibliography' page for Stephanie Tofighi. The page title is 'My Bibliography' with the subtitle 'Stephanie Tofighi's Bibliography'. In the top right corner, there is a dropdown menu showing '4 Bibliographies' and a link to 'My Bibliography Help'. Below the title, there is a navigation bar with 'MyNCBI' on the left and 'Page 1 of 16' with navigation arrows on the right. A message states: 'Your bibliography is currently private. If you want to share with a URL, [make your bibliography public](#).' Below this, there are three main actions: 'Manage citations', 'Add citations', and 'Filter citations'. A search bar with the text 'Search citations' and a 'Search' button is also present. A yellow warning banner at the bottom of the main content area says: '10 citations require [click here](#) to resolve the issues.' A dark blue dropdown menu is open under 'Add citations', showing three options: 'From PubMed', 'From a file', and 'Manually'. A blue button labeled 'Hide all warnings' is located to the right of the warning banner.



Adding Citations from PubMed



The screenshot shows a web interface titled "Add PubMed Citations to My Bibliography". It features a search input field labeled "Search term" and a blue button labeled "Search PubMed". Below the search area, there is a paragraph of text: "This tool will help you to quickly find and add PubMed items to your My Bibliography collection. Enter your search terms in the query box, above and click on the 'Search' button to execute the search."

- Search for specific publications using Title, DOI, or PMID information
- Search for personal collection of publications using Author name

PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.



Adding Citations Manually

Add citation manually

Choose the type of citation to create:

- ✓ Journal article that does not appear in PubMed
- Books and chapters
- Meeting abstracts
- Presentations
- Patents
- Dataset or database
- Software
- Interim products
- Other(non - standard citation)

* Required field [Clear all fields](#)

Add citation manually

Choose the type of citation to create:

Journal article that does not appear in PubMed

* Required field [Clear all fields](#)

Title

Author

[Add Another Author](#)

Journal

Publication Date

Forthcoming

Volume Issue Page

URL

Unique ID Type

[Add Citation](#) [Cancel](#)



Adding Citations from a File

- Upload electronic citations directly to My Bibliography
- Limited to ris and medline files
- Applicable Reference Managers
 - Endnote
 - Zotero
 - Mandeley
 - Citavi

Processing uploaded file

Your file has been processed. As a result,

Created: 3
Updated: 8

Done



Processing uploaded file

Your file has been processed. As a result,

Created: 0
Updated: 0

The selected file is not in MEDLINE or RIS format.

Done



Adding Citations from a File (BibTex)

PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT [[Save citations](#)]

My Bibliography ORCID

Sort by: Publication date Select: None 0 item(s) selected Refresh the list from unchecked entries are hidden from display

ORCID

- Enders C, Tofighi D. The Impact of Misspecifying Class-Specific Residual Variances in Growth Mixture Models. Structural Equation Modeling: A Multidisciplinary Journal. 2008 January 11; 15(1):75-95. Available from: <https://www.tandfonline.com/doi/full/10.1080/10705510701758281> DOI: 10.1080/10705510701758281
- Tofighi D, MacKinnon D. Monte Carlo Confidence Intervals for Complex Functions of Indirect Effects. Structural Equation Modeling: A Multidisciplinary Journal. 2015 August 28; 23(2):194-205. Available from: <http://www.tandfonline.com/doi/full/10.1080/10705511.2015.1057284> DOI: 10.1080/10705511.2015.1057284
- Tofighi D, Hsiao Y, Kruger E, MacKinnon D, Lee Van Horn M, Witkiewitz K. Sensitivity Analysis of the No-Omitted Confounder Assumption in Latent Growth Curve Mediation Models. Structural Equation Modeling: A Multidisciplinary Journal. 2018 September 11; 26(1):94-109. Available from: <https://www.tandfonline.com/doi/full/10.1080/10705511.2018.1506925> DOI: 10.1080/10705511.2018.1506925
- Tofighi D, Thoemmes F. Single-level and multilevel mediation analysis. The Journal of Early Adolescence. 2014; 34(1):93-119.
- Tofighi D, MacKinnon D. RMediation: An R package for mediation analysis confidence intervals. Behavior research methods. 2011; 43(3):692-700.
- Tofighi D, Enders C. Identifying the correct number of classes in growth mixture models. Advances in Latent Variable Mixture Models. 2008; 2007(1):317-341.
- Singhvi R, Kumar A, Lopez G, Stephanopoulos G, Wang D, Whitesides G, Ingber D. Engineering cell shape and function. Science. 1994; 264(5159):696-698.

- My Bibliography is NOT directly compatible with BibTex files

BUT

- BibTex can be converted to ris with LaTeX code then uploaded

OR

- BibTex files can be uploaded to ORCID by owner and then integrated with My NCBI by owner



Owner can Link ORCiD Account with My NCBI

[My NCBI](#) » [SciENcv](#)

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

Stephanie C Tofighi
Faculty Research Support Officer
University of New Mexico

[edit](#)



SciENcv documents [Edit](#) [+ Create New Document](#)

Last Update	Name	Type	Sharing
	Gabriel Lopez Biosketch	NSF Biosketch	Private
Yesterday 09:24 AM	Tofighi NSF Biosketch	NSF Biosketch	Private
	PubMed NSF Biosketch Example	NSF Biosketch	Private
09:07 AM	NSF Current and Pending Document	NSF Current and Pending Support	Private
09:50 AM	IES Test	IES Biosketch	Private
09:53 AM	IES Test Using NSF Template	IES Biosketch	Private

[+ Create New Document](#)

My NCBI Owner is able to log into their ORCiD account from their My NCBI sciENcv landing page to link the two online tools. Delegated administrator **cannot** link an ORCiD account for an owner.



Owner can Link ORCID Account with My NCBI

My NCBI » SciENcv

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

SciENcv documents [Edit](#) [+ Create](#)

Last Update	
	Gabriel Lopez
Yesterday 09:24 AM	Tofighi NSF Bi PubMed NSF E
09:07 AM	NSF Current a
09:50 AM	IES Test
09:53 AM	IES Test Usine

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.

Required Information

* required field

First Name: *

Last Name: *

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

Title / Department:

Institution / Company:

Optional Information

ORCID iD: [Add your ORCID iD to this profile?](#)

NSF ID: [Add your NSF ID to this profile?](#)

Sharing

Private
Private
Private
Private
Private
Private

My NCBI Owner is able to link an ORCID account from their My NCBI sciENcv landing page **cannot** link an ORCID account from their My NCBI delegated administrator



Owner can Link ORCID Account with My NCBI

ORCID Account Linked

PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT [[Save citations](#)]

My Bibliography **ORCID**

Sort by: Publication date ▾ Select: [None](#) 5 item(s) selected [Add citations](#) [Go to My Bibliography](#)

- Buranda T, Huang J, Ramarao G, Ista L, Larson R, Ward T, Sklar L, Lopez G. Biomimetic molecular assemblies c biotechnology. Langmuir. 17 J; 19(5):1654-1663.
- Cao C, Feng Y, Zang J, López G, Zhao X. Tunable Lotus-leaf and Rose-petal Effects via Graphene Paper Origan Available from: <http://www.sciencedirect.com/science/article/pii/S2352431615000887> 2352-4316
- Chemburu S, Fenton K, Lopez GP, Zeineldin R. Biomimetic silica microspheres in biosensing. Molecules. 2010; 1
- Cushing KW, Piyasena ME, Carroll NJ, Maestas GC, López BA, Edwards BS, Graves SW, López GP. Elastomeri Capture Assays. Analytical Chemistry. 2013; 85(4):2208-2215.
- Davis R, Flores A, Barrick T, Cox J, Brozik S, Lopez G, Brozik J. Nanoporous microbead supported bilayers: Sta functional transmembrane proteins. Langmuir. 22 F; 23(7):3864-3872. Available from: <https://doi.org/10.1021/la06>

ORCID Account NOT Linked

PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT [[Save citations](#)]

My Bibliography [Click here to connect to your ORCID account](#)

Sort by: Publication date ▾ Select: [None](#) 4 item(s) selected [Add citations](#) [Go to My Bibliography](#)

- Buranda T, Huang J, Ramarao GV, Ista LK, Larson RS, Ward TL, Sklar LA, Lopez GP. Biomimetic Molecular A Biotechnology. Langmuir. 2003; 19(5):1654-1663.
- Cao C, Feng Y, Zang J, López G, Zhao X. Tunable Lotus-leaf and Rose-petal Effects via Graphene Paper Orig Available from: <http://www.sciencedirect.com/science/article/pii/S2352431615000887> 2352-4316
- Chemburu S, Fenton K, Lopez G, Zeineldin R. Biomimetic silica microspheres in biosensing. Molecules. 7 Ma; <https://www.mdpi.com/1420-3049/15/3/1932> 1420-3049
- Cushing KW, Piyasena ME, Carroll NJ, Maestas GC, López BA, Edwards BS, Graves SW, López GP. Elastom Capture Assays. Analytical Chemistry. 2013; 85(4):2208-2215.



Switching Between My Bibliography Accounts

My Bibliography Stephanie Tofighi's Bibliography

4 Bibliographies ▾

My Bibliography [help](#)

Julia Fulghum ▶▶

Gabriel López

pahenning

◀ MyNCBI Page 1

Your bibliography is currently private. If you want to share with a URL, [make your bibliography public](#).

⚙ Manage citations ▾ + Add citations ▾ ⏴ Filter citations ▾

Search citations

⚠ 10 citations require attention. Please [click here](#) to resolve the issues.

Hide all warnings

781 citations, Sort by newest to oldest ▾

Li L, Shields IV W, Huang J, Zhang Y, Ohiri K, Yellen B, Chilkoti A, Lopez G. Rapid Capture of Biomolecules from Blood via Stimuli-Responsive Elastomeric Particles for Acoustofluidic Separation. Analytical Chemistry. Forthcoming; [Edit citation](#)
Manually-entered



Switching Between My Bibliography Accounts

My Bibliography

Gabriel López's Bibliography

4 Bibliographies ▾

My Bibliography [elp](#)

Julia Fulghum ▶▶

Gabriel López

pahenning

◀ MyNCBI Page 1

Your bibliography is currently private. If you want to share with a URL, [make your bibliography public](#).

⚙️ Manage citations ▾ + Add citations ▾ ⏴ Filter citations ▾ Search citations

⚠️ 10 citations require attention. Please [click here](#) to resolve the issues.

Hide all warnings

78 citations, Sort by newest to oldest ▾

Timmermann M, Lukat N, Schneider LP, Shields CW 4th, López GP, Selhuber-Unkel C. [Migration of Microparticle-Containing Amoeba through Constricted Environments](#). ACS Biomater Sci Eng. 2020 Feb 10;6(2):889-897. doi: 10.1021/acsbiomaterials.9b00496. Epub 2019 Nov 30. PubMed PMID: 32215319; PubMed Central PMCID: PMC7082834.

De Lora JA, Fencel FA, Macias Gonzalez AD, Bandegi A, Foudazi R, Lopez GP, Shreve AP, Carroll NJ. Oil-Free Acoustofluidic Droplet Generation for Multicellular Tumor Spheroid Culture. ACS Applied Bio Materials. 2019; 2(9):4097-4105.

[Edit citation](#)
Manually-entered



My NCBI Citation Comparison

PubMed Publications

- PubMed citations cannot be edited, and they include extra information that can take up wasted space

Tofighi D, Hsiao YY, Kruger ES, MacKinnon DP, Van Horn ML, Witkiewitz KA. [Sensitivity Analysis of the No-Omitted Confounder Assumption in Latent Growth Curve Mediation Models](#). *Struct Equ Modeling*. 2019;26(1):94-109. doi: 10.1080/10705511.2018.1506925. Epub 2018 Sep 11. PubMed PMID: 31057318; PubMed Central PMCID: PMC6497405.

Manual Input & File Upload Publications

- Publications inputted manually or uploaded to My Bibliography can be edited by delegated user
- Publications can be minimized to fit within 2 pg. limit of biosketch

De Lora JA, Fencil FA, Macias Gonzalez AD, Bandegi A, Foudazi R, Lopez GP, Shreve AP, Carroll NJ. Oil-Free Acoustofluidic Droplet Generation for Multicellular Tumor Spheroid Culture. *ACS Applied Bio Materials*. 2019; 2(9):4097-4105.

[Edit citation](#)

Manually-entered



ORCiD Citations

- Delegated user cannot edit ORCiD citations through My NCBI
- BUT
- ORCiD owner can add delegates or “Trusted Individuals” to their ORCiD accounts. These Trusted Individuals can then edit ORCiD accounts on behalf of owners similar to My NCBI Delegates.

<https://orcid.org/account>

Trusted organizations [?]

Trusted organization	Approval date	Access type
National Center for Biotechnology Information http://www.ncbi.nlm.nih.gov/myncbi/	2020-07-13	Read your information with visibility set to Trusted Parties 

Trusted individuals [?]

Search for ORCID users to add as trusted individuals.



How to Use the SciENcv Application

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.

Saved Searches

You don't have any saved searches yet.

Go and [create some saved searches](#) in PubMed or our other databases.

[Manage Saved Searches »](#)

My Bibliography

Your bibliography contains **781 items**.
Your bibliography is **private**.

10 of your citations require attention. Please click here to resolve the issues.

Delegated Bibliographies

Bibliography	Items	Sharing
Julia Fulghum's bibliography	6	private
Gabriel López's bibliography	78	private
pahenning's bibliography	12	private

[Manage My Bibliography »](#)

Collections

All bibliographies and Other citations are now in [My Bibliography](#)

Collection Name	Items	Settings/Sharing	Type
Favorites	edit 0	Private	Standard

[Manage Collections »](#)

Filters

Filters for: PubMed

You do not have any active filters for this database.
[Add filters for the selected database.](#)

[Manage Filters »](#)

Recent Activity

Time	Database	Type	Term
24-Jun-2020	PMC	record	Cross-disciplinary research in canc...
27-May-2020	PMC	record	Multinode acoustic focusing for par...
18-May-2020	PubMed	record	Multiplex lateral-flow test strips ...
08-May-2020	PubMed	record	Strong, Tough, Stretchable, and Sel...
06-May-2020	Books	record	Using Preferences - My NCBI Help
06-May-2020	Books	record	SciENcv - My NCBI Help
06-May-2020	Books	record	My Bibliography - My NCBI Help
06-May-2020	PubMed	search	Bioinspired Reversibly Cross-linked...
06-May-2020	PubMed	search	Biomimetic molecular assemblies on ...
06-May-2020	PubMed	search	Biomimetic molecular assemblies on ...

[Clear](#) [Turn Off](#)

[See All Recent Activity »](#)

SciENcv

Name	Last Update	Sharing	Type
Gabriel Lopez Biosketch		Private	NSF Biosketch
Tofighi NSF Biosketch	Yesterday 09:24 AM	Private	NSF Biosketch
PubMed NSF Biosketch Example		Private	NSF Biosketch
NSF Current and Pending Document	09:07 AM	Private	NSFCurrentAndPendingSupport
IES Test	09:50 AM	Private	IES Biosketch
IES Test Using NSF Template	09:53 AM	Private	IES Biosketch

Delegated CVs :

[gplopez@unm.edu](#)

[julia.fulghum@gmail.com](#)

[pahenning](#)



Generating your own sciENCv Documents

SciENCv

Name	Last Update	Sharing	Type
Gabriel Lopez Biosketch	Yesterday 02:38 AM	Private	NSF Biosketch
Tofighi NSF Biosketch	09:24 AM	Private	NSF Biosketch
PubMed NSF Biosketch Example	Yesterday 02:41 AM	Private	NSF Biosketch

Delegated CVs :

- gplopez@unm.edu
- julia.fulghum@gmail.com
- [pahenning](#)

 [Manage SciENCv »](#)

My NCBI » SciENCv SciENCv: [About](#) | [Using](#)

Stephanie C Tofighi
Faculty Research Support Officer
University of New Mexico
<http://orcid.org/0000-0002-6847-5892>
000726259@nsf.gov [edit](#)

SciENCv documents [Edit](#) [+ Create New Document](#) 

Last Update	Name	Type	Sharing
Yesterday 02:38 AM	Gabriel Lopez Biosketch	NSF Biosketch	Private
09:24 AM	Tofighi NSF Biosketch	NSF Biosketch	Private
Yesterday 02:41 AM	PubMed NSF Biosketch Example	NSF Biosketch	Private

[+ Create New Document](#) 

SciENCv Account(s) Delegated to you

- [Gabriel López \(gplopez@unm.edu\)](#)
- [Julia Fulghum \(julia.fulghum@gmail.com\)](#)
- [pahenning](#)



Generating sciENCv Documents as a Delegate

SciENCv

Name	Last Update	Sharing	Type
Gabriel Lopez Biosketch	Yesterday 02:38 AM	Private	NSF Biosketch
Tofighi NSF Biosketch	09:24 AM	Private	NSF Biosketch
PubMed NSF Biosketch Example	Yesterday 02:41 AM	Private	NSF Biosketch

Delegated CVs :

- gplopez@unm.edu
- julia.fulghum@gmail.com
- [pahenning](#)

[Manage SciENCv »](#)

My NCBI » SciENCv » Delegated by Gabriel López

SciENCv: At

Working as a delegate for Gabriel López ([what's this?](#))

[Return to your own SciENCv](#)

Gabriel P. López

University of New Mexico

[edit](#)

SciENCv documents [Edit](#) [+ Create New Document](#)

Last Update	Name	Type	Sharing
20-May-2020	Lopez Biosketch Biomanufacturing 6-2020	NSF Biosketch	Private
14-Jul-2020	Lopez Current and Pending 6-2020	NSF Current and Pending Support	Private
28-May-2020	Lopez NIH Biosketch AcoustofluidicPipette 6-2020	NIH Biosketch	Private

[+ Create New Document](#)



Create a New Document

- Use Document name to easily identify the specific document you're making. This is very handy to identify unique biosketches for different proposals.
- To create an NSF biosketch or NSF current and pending, choose that option and Start with a Blank Document unless owner already has another document saved to their account.

Create a New Document

Document name

Enter a name to help you to identify this document

Format

- NIH Biosketch
- NIH Fellowship Biosketch
- NSF Biosketch
- NSF Current and Pending Support
- IES Biosketch

Select a format for this document

Choose data source

- Start with a blank document
- Existing Document:
- External source:

*You must [link to an eRA Commons account](#) to use this option.
Documentation on how to link an external account is available [here](#).*

Sharing

- Private
- Public

You can change the shared settings at any time.

Create

Cancel



Profile name: Tofighi Test Biosketch [[Edit](#)] **Download:** [PDF](#) [XML](#)

Profile type: NSF Biosketch [NSF Biographical Sketch Instructions](#)

Last Updated: 19 May 2020

Sharing: Private [[Change](#)]

OMB-3145-0058

NAME [[Edit](#)]
Tofighi, Stephanie

A. PROFESSIONAL PREPARATION

List undergraduate and graduate education and postdoctoral training. List the year the degree was received as well as inclusive dates of postdoctoral training.
You have not listed any degree or training. Please [add one](#).

B. APPOINTMENTS

List, in reverse chronological order, all academic, professional, or institutional appointments beginning with the current appointment.
You have not listed any employment. Please [add one](#).

C. PRODUCTS

Acceptable products must be citable and accessible including but not limited to publications, data sets, software, patents, and copyrights. Unacceptable products are unpublished documents not yet submitted for publication, invited lectures, and additional lists of products. Each product must include full citation information including (where applicable and practicable) names of all authors, date of publication or release, title, title of enclosing work such as journal or book, volume, issue, pages, website and Uniform Resource Locator (URL) or other Persistent Identifier.

PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT [[Select citations](#)]
You have not included any product in this section.

OTHER SIGNIFICANT PRODUCTS, WHETHER OR NOT RELATED TO THE PROPOSED PROJECT [[Select citations](#)]
You have not included any product in this section.

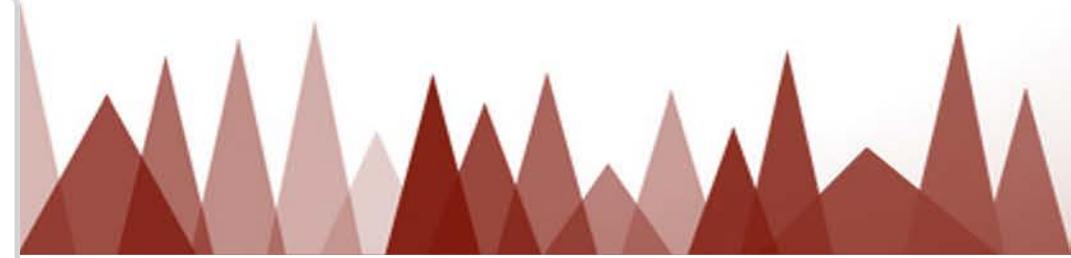
D. SYNERGISTIC ACTIVITIES

List up to five distinct examples that demonstrate the broader impact of the individual's professional and scholarly activities that focus on the integration and transfer of knowledge as well as its creation. Synergistic activities should be specific and must not include multiple examples to further describe the activity.
You have not yet provided an example. Please add one using the link below.

[+ add another entry](#)

Building an NSF Biosketch

- All Standard Sections of Biosketch are Included.
- Information is formatted in the appropriate order automatically in **Professional Preparation and Appointments**.
- Add **Products** directly from My Bibliography OR ORCID, if available.
- **Synergistic Activities** are added individually and provide plenty of space for each activity.



Adding Professional Preparation

A. PROFESSIONAL
List undergraduate and graduate training.

INSTITUTION

- Harvard University
- University of Washington
- University of Colorado

[+ add another degree/training](#)

B. APPOINTMENTS

Add new degree ✕

* required field

This entry is Degree Training

School: *

City: *

State/Province: *

Country:

Degree: *

Field of Study: *

From: To: *

[Cancel](#)



Adding Professional Preparation

Add new training ✕

A. PROFESSIONAL
List undergraduate and graduate training.

INSTITUTION

Harvard University

University of Washington

University of Colorado

[+ add another degree/training](#)

This entry is Degree Training

Organization: *

City:

State/Province:

Country:

Training: NIH training grant
 Fellow
 Graduate Student
 Postdoctoral Fellow
 Resident
 Other training

Description:

From: MM YYYY (leave blank if present)

[Cancel](#)

* required field

doctoral



Editing Professional Preparation

A. PROFESSIONAL PREPARATION [[Edit entries](#)]



List undergraduate and graduate education and postdoctoral training. List the year the degree was received as well as inclusive dates of postdoctoral training.

INSTITUTION	LOCATION	MAJOR/AREA OF STUDY	DEGREE (if applicable)	YEAR
Harvard University	Cambridge, MA	Chemistry	Postdoctoral Fellow	1993
University of Washington	Seattle, WA	Chemical Engineering	DOCTOR OF PHILOSOPHY	1991
University of Colorado	Boulder, CO	Chemical Engineering	BACHELOR OF SCIENCE	1985

[+ add another degree/training](#)

A. PROFESSIONAL PREPARATION [[Done](#)]

List undergraduate and graduate education and postdoctoral training. List the year the degree was received as well as inclusive dates of postdoctoral training.

Show in this profile	INSTITUTION	LOCATION	MAJOR/AREA OF STUDY	DEGREE (if applicable)	YEAR	
<input checked="" type="checkbox"/>	Harvard University	Cambridge, MA	Chemistry	Postdoctoral Fellow	1993	Delete edit
<input checked="" type="checkbox"/>	University of Washington	Seattle, WA	Chemical Engineering	DOCTOR OF PHILOSOPHY	1991	Delete edit
<input checked="" type="checkbox"/>	University of Colorado	Boulder, CO	Chemical Engineering	BACHELOR OF SCIENCE	1985	Delete edit



[+ add another degree/training](#)



Editing Professional Preparation

Edit training information ✕

* required field

This entry is Degree Training

Organization: *

City:

State/Province:

Country:

Training:

Description:

From: * To: (leave blank if present)

[Cancel](#)

[+ add another degree/training](#)

[delete](#) [edit](#)

[delete](#) [edit](#)

[delete](#) [edit](#)



NCU

Adding Appointments

B. APPOINTMENTS [[Edit entries](#)]

List, in reverse chronological order, all academic, professional, or institutional appointments beginning with the current appointment.

- 2016 - present Professor, University of New Mexico, Chemical & Biological Engineering
- 2016 - 2020 Vice President for Research, University of New Mexico
- 2016 - 2018 Adjunct Professor, Duke University, BME, ME and Material Sciences
- 2011 - 2016 Research Professor, University of New Mexico, Chemical Engineering
- 2011 - 2015 Director and PI, Duke University, Research Triangle MRSEC
- 2010 - 2016 Professor, Duke University, BME, ME and Material Sciences
- 2005 - 2009 Director, University of New Mexico, Center for Biomedical Engineering
- 2004 - 2010 Professor, University of New Mexico, Chemical Engineering
- 1999 - 2004 Assoc. Professor, University of New Mexico, Chem & Nuclear Eng. and Chem
- 1993 - 1999 Assistant Professor, University of New Mexico, Chem & Nuclear Eng. and Chem

[+ add another entry](#)



Adding Appointments

B. APPOINTMENTS

List, in reverse c

2016 - present

2016 - 2020

2016 - 2018

2011 - 2016

2011 - 2015

2010 - 2016

2005 - 2009

2004 - 2010

1999 - 2004

1993 - 1999

[+ add another](#)

Add Employment ✕

*** required field**

From: * To: (leave blank for present positions)

Position title: *

Organization: *

[+ add a level](#)

City: State:

Country:

Use this entry as the position title in Biosketch

[Cancel](#)

ppointment.



Editing Appointments

B. APPOINTMENTS [[Edit entries](#)]



List, in reverse chronological order, all academic, professional, or institutional appointments beginning with the current appointment.

- 2016 - present Assistant Professor, University of New Mexico, Department of Psychology, Albuquerque, NM
- 2014 - 2014 The Class of 1969 Teaching Fellow, Georgia Institute of Technology, Center of Teaching and Learning, Atlanta, GA
- 2011 - 2016 Assistant Professor, Georgia Institute of Technology, School of Psychology, Atlanta, GA

[+ add another entry](#)

B. APPOINTMENTS [[Done](#)]

List, in reverse chronological order, all academic, professional, or institutional appointments beginning with the current appointment.

Select: [All](#) [None](#) 3 item(s) selected

unchecked entries are hidden from display

- | | | | |
|-------------------------------------|----------------|--|---|
| <input checked="" type="checkbox"/> | 2016 - present | Assistant Professor, University of New Mexico, Department of Psychology, Albuquerque, NM | Delete |
| <input checked="" type="checkbox"/> | 2014 - 2014 | The Class of 1969 Teaching Fellow, Georgia Institute of Technology, Center of Teaching and Learning, Atlanta, GA | Delete edit |
| <input checked="" type="checkbox"/> | 2011 - 2016 | Assistant Professor, Georgia Institute of Technology, School of Psychology, Atlanta, GA | Delete edit |



Editing Appointments

B. APPOINTMENT

List, in reverse chronological order

- 2016 - present Assista
- 2014 - 2014 The Cl
- 2011 - 2016 Assista

[+ add another entry](#)

B. APPOINTMENTS

List, in reverse chronological order

Select: [All](#) [None](#) 3 item(s)

- 2016 - present Assi
- 2014 - 2014 The
- 2011 - 2016 Assi

Edit employment

* required field

From: * To: (leave blank for present positions)

Position title: *

Organization: *

Organization level 1: [-](#)

[+ add a level](#)

City: State:

Country:

Use this entry as the position title in Biosketch

Save

Save & add another entry

[Cancel](#)

pointment.

Atlanta, GA

idden from display

[Delete](#) [edit](#)

[Delete](#) [edit](#)

[Delete](#) [edit](#)



Adding Products

My Bibliography

PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT [[Save citations](#)]

My Bibliography ORCID

Sort by Publication date Update date Author Title Select: [None](#) 5 item(s) selected [Add citations](#) [Go to My Bibliography](#)

Bu... Author ...o G, Ista L, Larson R, Ward T, Sklar L, Lopez G. Biomimetic molecular assemblies on glass and mesoporous mic... Title ...y. Langmuir. 17 J; 19(5):1654-1663. unchecked entries are hidden from display

Cao C, Feng Y, Zang J, López G, Zhao X. Tunable Lotus-leaf and Rose-petal Effects via Graphene Paper Origami. Extreme Mechanics Letters. 2015; 4:18-25. Available from: <http://www.sciencedirect.com/science/article/pii/S2352431615000887> 2352-4316

Chemburu S, Fenton K, Lopez GP, Zeineldin R. Biomimetic silica microspheres in biosensing. Molecules. 2010; 15(3):1932-1957.

Cushing KW, Piyasena ME, Carroll NJ, Maestas GC, López BA, Edwards BS, Graves SW, López GP. Elastomeric Negative Acoustic Contrast Particles for Affinity Capture Assays. Analytical Chemistry. 2013; 85(4):2208-2215.

Davis R, Flores A, Barrick T, Cox J, Brozik S, Lopez G, Brozik J. Nanoporous microbead supported bilayers: Stability, physical characterization, and incorporation of functional transmembrane proteins. Langmuir. 22 F; 23(7):3864-3872. Available from: <https://doi.org/10.1021/la062576t> DOI: 10.1021/la062576t

De Lora JA, Fencel FA, Macias Gonzalez AD, Bandegi A, Foudazi R, Lopez GP, Shreve AP, Carroll NJ. Oil-Free Acoustofluidic Droplet Generation for Multicellular Tumor Spheroid Culture. ACS Applied Bio Materials. 2019; 2(9):4097-4105.

Diez T, Delora J, Davenport P, Lakin M, Lopez G, Carroll N. Formation of DNA Enriched Ribonucleoprotein Coacervates Triggered by Aqueous Phase Separation of Elastin-like Polypeptides. In P.

E. Canavan H, Weisburd S, Dirk E, P. Stanton M, Petsev D, E. Fulghum J, Hollar K, López G. A laterally and vertically integrated outreach program to increase participation in biomaterialsrelated engineering. Journal of Materials Education. 01 A; 34(1):45-58.

ORCiD (when linked by owner)

PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT [[Save citations](#)]

My Bibliography ORCID

Sort by Publication date Update date Author Title Select: [None](#) 0 item(s) selected [Refresh the list from](#) unchecked entries are hidden from display

En... Title ...act of Misspecifying Class-Specific Residual Variances in Growth Mixture Models. Structural Equation Modeling: A Multidisciplinary Journal. 2008 January 25; 15(1):75-95. Available from: <https://doi.org/10.1080/10705510701758281> DOI: 10.1080/10705510701758281

Tofghi D, MacKinnon D. Monte Carlo Confidence Intervals for Complex Functions of Indirect Effects. Structural Equation Modeling: A Multidisciplinary Journal. 2016 March 03; 23(2):194-205. Available from: <https://doi.org/10.1080/10705511.2015.1057284> DOI: 10.1080/10705511.2015.1057284

Tofghi D, Hsiao Y, Kruger E, MacKinnon D, Lee Van Horn M, Witkiewitz K. Sensitivity analysis of the no-omitted confounder assumption in latent growth curve mediation models. Structural equation modeling: a multidisciplinary journal. 2019; 26(1):94-109. 1070-5511

Tofghi D, Thoemmes F. Single-level and multilevel mediation analysis. The Journal of Early Adolescence. 2014; 34(1):93-119.

Tofghi D, MacKinnon D. RMediation: An R package for mediation analysis confidence intervals. Behavior research methods. 2011; 43(3):692-700.

Tofghi D, Enders C. Identifying the correct number of classes in growth mixture models. Advances in Latent Variable Mixture Models. 2008; 2007(1):317-341.

Singhvi R, Kumar A, Lopez G, Stephanopoulos G, Wang D, Whitesides G, Ingber D. Engineering cell shape and function. Science. 1994; 264(5159):696-698.



Compliance Parameters Included

- After up to 5 products have been selected, click “Save citations” and move on to the next section of the system.
- Uncheck products to discontinue use and then select new options if needed.



C. PRODUCTS

Acceptable products must be citable and accessible including but not limited to publications, data sets, software, patents, and copyrights. Unacceptable products are unpublished documents not yet submitted for publication, invited lectures, and additional lists of products. Each product must include full citation information including (where applicable and practicable) names of all authors, date of publication or release, title, title of enclosing work such as journal or book, volume, issue, pages, website and Uniform Resource Locator (URL) or other Persistent Identifier.

PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT [[Save citations](#)]

My Bibliography

ORCID

Sort by: Update date

Select: [None](#) 5 item(s) selected

[Add citations](#)

[Go to My Bibliography](#)

unchecked entries are hidden from display

Chackerian B, Caldeira Jdo C, ...
particles. J Mol Biol. 2011 Jun

Sorry! You can only select upto 5 products.

...on bacteriophage MS2 virus-like
... Med Central PMCID: PMC3095728.

Fenton EM, Mascarenas MR, ...
Interfaces. 2009 Jan;1(1):124-

...nsional shaping. ACS Appl Mater

[Close](#)

Lakin MR, Youssef S, Polo F, Emmott S, Phillips A. Visual DSD: a design and analysis tool for DNA strand displacement systems. Bioinformatics. 2011 Nov 15;27(22):3211-3. PubMed PMID: 21984756; PubMed Central PMCID: PMC3208393.

Witkiewitz K, Roos C, Tofighi D, Van Horn M. Broad coping repertoire mediates the effect of the combined behavioral intervention on alcohol outcomes in the COMBINE study: an application of latent class mediation. Journal of studies on alcohol and drugs. 2018; 79(2):199-207. 1937-1888

Tofighi D, Thoemmes F. Single-level and multilevel mediation analysis. The Journal of Early Adolescence. 2014; 34(1):93-119. 0272-4316

Tofighi D, MacKinnon D. RMediation: An R package for mediation analysis confidence intervals. Behavior research methods. 2011; 43(3):692-700. 1554-3528

Tofighi D, Kelley K. Indirect effects in sequential mediation models: Evaluating methods for hypothesis testing and confidence interval formation. Multivariate Behavioral Research. 2020; 55(2):188-210. 0027-3171

Tofighi D, Enders C. Identifying the correct number of classes in growth mixture models. Advances in Latent Variable Mixture Models. 01/0; 2007(1):317-341.

Formatting Synergistic Activities

D. SYNERGISTIC ACTIVITIES

List up to five distinct examples that demonstrate the broader impact of the individual's professional and scholarly activities that focus on the integration and transfer of knowledge as well as its creation. Synergistic activities should be specific and must not include multiple examples to further describe the activity.

You have not yet provided an example. Please add one using the link below.

[+ add another entry](#)



Add/Edit synergistic activity ✕

Save Cancel



SciENcv uses "Markdown" syntax which allows you to add simple formatting to your personal statement, if necessary.

We do NOT support HTML tags.

Phrase Emphasis

- **italic**
- ****bold****

Headers

- # Title = First level header
- ## Title = Second level header
- ### Title = Third level header

Lists (lists can be nested)

Ordered, without paragraphs:

- 1. Item1
- 1. Item2

Unordered, with paragraphs:

- * A list item.

With multiple paragraphs.

- * Bar

Manual Line Breaks

End a line with two or more spaces.

"Escaping" formatting characters

If you want to type a formatting character and have it treated as text not formatting, type a backslash first \. This means ** gives **, **** gives **** etc.

Superscript

number[^]number, e.g. 10[^]6 would display as 10⁶

Download Biosketch PDF



COVID-19 is an emerging, rapidly evolving situation.
Get the latest public health information from CDC: <https://www.coronavirus.gov> .
Get the latest research from NIH: <https://www.nih.gov/coronavirus>.
Find NCBI SARS-CoV-2 literature, sequence, and clinical content: <https://www.ncbi.nlm.nih.gov/sars-cov-2/>.

My NCBI » SciENcv » Lopez Biosketch Biomanufacturing 6-2020

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

Profile name: Lopez Biosketch Biomanufacturing 6-2020 [[Edit](#)]
Profile type: NSF Biosketch [NSF Biographical Sketch Instructions](#)
Last Updated: 20 May 2020
Sharing: Private [[Change](#)]

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



OMB-3145-0058

NAME [[Edit](#)]
Lopez, Gabriel

NSF BIOGRAPHICAL SKETCH

NAME: Lopez, Gabriel

POSITION TITLE & INSTITUTION: Professor, University of New Mexico

(a) PROFESSIONAL PREPARATION

INSTITUTION	LOCATION	MAJOR / AREA OF STUDY	DEGREE (if applicable)	YEAR YYYY
University of Colorado	Boulder, CO	Chemical Engineering	BS	1985
University of Washington	Seattle, WA	Chemical Engineering	PHD	1991
Harvard University	Cambridge, MA	Chemistry	Postdoctoral Fellow	1991 - 1993

(b) APPOINTMENTS

2016 - present	Professor, University of New Mexico, Chemical & Biological Engineering
2016 - 2020	Vice President for Research, University of New Mexico
2016 - 2018	Adjunct Professor, Duke University, BME, ME and Material Sciences
2011 - 2016	Research Professor, University of New Mexico, Chemical Engineering
2011 - 2015	Director and PI, Duke University, Research Triangle MRSEC
2010 - 2016	Professor, Duke University, BME, ME and Material Sciences
2005 - 2009	Director, University of New Mexico, Center for Biomedical Engineering
2004 - 2010	Professor, University of New Mexico, Chemical Engineering
1999 - 2004	Assoc. Professor, University of New Mexico, Chem & Nuclear Eng. and Chem
1993 - 1999	Assistant Professor, University of New Mexico, Chem & Nuclear Eng. and Chem

(c) PRODUCTS**Products Most Closely Related to the Proposed Project**

- Ghoorchian A, Chilkoti A, López G. Simple Assay for Proteases Based on Aggregation of Stimulus-responsive Polypeptides. *Analytical Chemistry*. 2014; 86(12):6103-6110.
- Ghoorchian A, Simon JR., Bharti B, Han W, Zhao X, Chilkoti A, López G. Bioinspired Reversibly Cross-linked Hydrogels Comprising Polypeptide Micelles Exhibit Enhanced Mechanical Properties. *Advanced Functional Materials*. 2015; 25(21):3122-3130.
- Han W, Chilkoti A, López G. Self-assembled hybrid elastin-like polypeptide/silica nanoparticles enable triggered drug release. *Nanoscale*. 07 A; 9(18):6178-6186. Available from: <http://dx.doi.org/10.1039/C7NR00172J> DOI: 10.1039/C7NR00172J
- Simon J, Carroll N, Rubinstein M, Chilkoti A, Lopez G. Programming Molecular Self-assembly of Intrinsically Disordered Proteins Containing Sequences of Low-complexity. *Nature Chemistry*. 2017; 9(6):509-515.

Other Significant Products, Whether or Not Related to the Proposed Project

- Han W, MacEwan S, Chilkoti A, López G. Bio-inspired Synthesis of Hybrid Silica Nanoparticles Templated from Elastin-like Polypeptide Micelles. *Nanoscale*. 15 J; 7(28):12038-12044.
- Li L, Shields IV W, Huang J, Zhang Y, Ohiri K, Yellen B, Chilkoti A, Lopez G. Rapid Capture of

Biomolecules from Blood via Stimuli-Responsive Elastomeric Particles for Acoustofluidic Separation. *Analytical Chemistry*. Subm;

- Li L, Mo C, Chilkoti A, Lopez GP., Carroll N. Creating Cellular Patterns using Genetically Engineered, Gold- and Cell-binding Polypeptides. *Biointerphases*. 2016; 11(2):021009.
- Li L, Li NK., Tu Q, Im O, Mo C, Han W, Fuss WH., Carroll NJ., Chilkoti A, Yingling YG., Zauscher S, López G. Functional Modification of Silica through Enhanced Adsorption of Elastin-Like Polypeptide Block Copolymers. *Biomacromolecules*. 2018; 19(2):298-306.
- Thapa A, Han W, Simons R, Chilkoti A, Chi E, López G. Effect of Detergents on the Thermal Behavior of Elastin-like Polypeptides. *Biopolymers*. 2013; 99(1):55-62. issn: 1097-0282

(d) SYNERGISTIC ACTIVITIES

- Vice President for Research, UNM** Oversees and fosters research enterprise and knowledge dissemination through academic research on UNM's main and branch campuses.
- Member, Committee on Equal Opportunities in Science and Engineering** This congressionally-mandated body plays an important role with respect to advising the NSF on broadening participation, specifically as related to the full participation of women, underrepresented minorities and persons with disabilities in scientific, engineering and related fields.
- Member, Board of Directors, STC.UNM Corp.** STC.UNM supports innovation, technology transfer, and catalysis of economic development at the University of New Mexico.
- Leadership in Diversifying Materials Science and Engineering** Led diversity efforts of the NSF's Research Triangle-MRSEC and achieved a dramatic increase in participation of URMs and women well above the national average within the MRSEC program and DMR-sponsored research in general; formally recognized for this leadership by Duke University in 2016.
- Development of New Methods for Manufacturing Polymeric Biomaterials** Demonstrated that elastomer particles exhibit negative acoustic contrast in water, a discovery that has led to innovations licensed by two start-up companies, one (Encapsio) focused on scale-up of manufacture of elastomeric particles, and a second (BennuBio), focused on highly parallel acoustofluidics and flow cytometry.

Downloaded PDF



NCURA

Creating an NSF Current & Pending Document

My NCBI » SciENcv

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

Stephanie C Tofighi

Faculty Research Support Officer

University of New Mexico

<http://orcid.org/0000-0002-6847-5892>

000726259@nsf.gov

[edit](#)

SciENcv documents [Edit](#) [+ Create New Document](#)



Last Update	Name	Type	Sharing
	Gabriel Lopez Biosketch	NSF Biosketch	Private
Yesterday 09:24 AM	Tofighi NSF Biosketch	NSF Biosketch	Private
	PubMed NSF Biosketch Example	NSF Biosketch	Private

[+ Create New Document](#)



Creating an NSF Current & Pending Document

My NCBI » SciENcv

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

Create a New Document

Document name

Enter a name to help you to identify this document

Format

- NIH Biosketch
- NIH Fellowship Biosketch
- NSF Biosketch
- NSF Current and Pending Support
- IES Biosketch

Select a format for this document

Choose data source

- Start with a blank document
- Existing Document:

Sharing

- Private
- Public

You can change the shared settings at any time.

Create

Cancel

[edit](#)

Sharing

- Private
- Private
- Private

SciENcv documents [Edit](#)

Last Update

Yesterday 09:24 AM [Gabrie](#)
[Tofigh](#)
[PubMe](#)



NSF Current and Pending

- Add Current and Pending Proposals AND In-Kind Contributions NOT already identified in the Facilities, Equipment, and Other Resources Document

Profile name: NSF Current and Pending Document [[Edit](#)]

Download: [PDF](#)

Profile type: NSF Current and Pending Support [Current and Pending Support Instructions](#)

Last Updated: 20 July 2020

Sharing: Private [[Change](#)]

OMB-3145-0058

NAME [[Edit](#)]

Tofighi, Stephanie

Current and Pending Support Summary

PROJECT/PROPOSAL INFORMATION

Current and Pending Support includes all resources made available to an individual in support of and/or related to all of his/her research efforts, regardless of whether or not they have monetary value. [1] Information must be provided about all current and pending support, including this project, for ongoing projects, and for any proposals currently under consideration from whatever source [2], irrespective of whether such support is provided through the proposing organization or is provided directly to the individual. Concurrent submission of a proposal to other organizations will not prejudice its review by NSF, if disclosed.[3]

[1]If the time commitment or dollar value is not readily ascertainable, reasonable estimates should be provided.

[2]For example, Federal, State, local, foreign, public or private foundations, non-profits, industrial or other commercial organizations or internal funds allocated toward specific projects.

[3]The Biological Sciences Directorate exception to this policy is delineated in PAPPG Chapter II.D.2.

IN-KIND CONTRIBUTION INFORMATION

Current and Pending Support also includes in-kind contributions (such as office/laboratory space, equipment, supplies, employees, students). If the in-kind contributions are intended for use on the project being proposed to NSF, the information must be included as part of the Facilities, Equipment and Other Resources section of the proposal and need not be replicated in the individual's Current and Pending Support submission. In-kind contributions not intended for use on the project/proposal being proposed that have associated time obligations must be reported below. If the time commitment or dollar value is not readily ascertainable, reasonable estimates should be provided.

You have not listed any support.

[Add Project/Proposal](#)

[Add In-Kind Contribution](#)

Download: [PDF](#)



Adding Entries to Current & Pending Document

Current & Pending Support

Current and Pending Support

Current Pending Submission planned Transfer of support * required field

Project / Proposal Title *

Proposal / Award Number (if available)

Source of Support *

Primary Place of Performance

Project Proposal Support Start Date (if available) MM YYYY Project Proposal Support End Date (if available) MM YYYY

Total award amount * \$ Enter as USD (include indirect costs)
(including Indirect Costs)

Person-Month(s) or (Partial Person-Months) Per Year Committed to the Project *

Year YYYY Person-months 00.00 + Add year

In-Kind Contributions

Current and Pending Support

Status of Support * Current Pending * required field

Source of Support *

Primary Place of Performance Add support

Summary of In-Kind Contributions * Ex: Office, laboratory space, students, etc.

Time Commitment- Person-Month(s) (or Partial Person-Months) Per Year *

Year YYYY Person-months 00.00 + Add year

Dollar Value of In Kind Contribution * \$ Enter as USD (include indirect costs)



Current and Pending Support Summary

PROJECT/PROPOSAL INFORMATION

Current and Pending Support includes all resources made available to an individual in support of and/or related to all of his/her research efforts, regardless of whether or not they have monetary value. [1] Information must be provided about all current and pending support, including this project, for ongoing projects, and for any proposals currently under consideration from whatever source [2], irrespective of whether such support is provided through the proposing organization or is provided directly to the individual. Concurrent submission of a proposal to other organizations will not prejudice its review by NSF, if disclosed.[3]

[1]If the time commitment or dollar value is not readily ascertainable, reasonable estimates should be provided.

[2]For example, Federal, State, local, foreign, public or private foundations, non-profits, industrial or other commercial organizations or internal funds allocated toward specific projects.

[3]The Biological Sciences Directorate exception to this policy is delineated in PAPPG Chapter II.D.2.

IN-KIND CONTRIBUTION INFORMATION

Current and Pending Support also includes in-kind contributions (such as office/laboratory space, equipment, supplies, employees, students). If the in-kind contributions are intended for use on the project being proposed to NSF, the information must be included as part of the Facilities, Equipment and Other Resources section of the proposal and need not be replicated in the individual's Current and Pending Support submission. In-kind contributions not intended for use on the project/proposal being proposed that have associated time obligations must be reported below. If the time commitment or dollar value is not readily ascertainable, reasonable estimates should be provided.

Download Current & Pending PDF

Project/Proposal Title	Source of Support	Status of Status	Total Award Amount	Support Start Date	
EAGER: Engineered, Smart, Nucleic Acid-Binding, Intrinsically Disordered Proteins to Enable Ubiquitous Detection of Viral Pathogens and Diagnosis	National Science Foundation	Current	\$300000	Jul 2020	Delete Edit
RoL: Conference: DESYN-C3: An International Conference on Engineering Synthetic Cells and Organelles	National Science Foundation	Current	\$100000	Sep 2018	Delete Edit
Acoustofluidic Pipette for Rapid and Multiplexed Serodiagnosis of COVID-19	University of Colorado (NIH)	Pending	\$122399	Apr 2021	Delete Edit
FMRG: Biomanufacturing of Advanced Protein Materials	Massachusetts Institute of Technology (NSF)	Pending	\$750000	Jan 2021	Delete Edit
Acoustofluidic Pipette for Rapid Serodiagnosis of Candida Infection	University of Colorado (NIH)	Pending	\$60600	Oct 2020	Delete Edit

Add Project/Proposal

Add In-Kind Contribution

Download: PDF



Current and Pending Document PDF

NSF CURRENT AND PENDING SUPPORT

PI/co-PI/Senior Personnel: Lopez, Gabriel

PROJECT/PROPOSAL CURRENT SUPPORT

1. Project/Proposal Title: EAGER: Engineered, Smart, Nucleic Acid-Binding, Intrinsic Disordered Proteins to Enable Ubiquitous Detection of Viral Pathogens and Diagnos

Proposal/Award Number (if available): CBET2031774

Source of Support: National Science Foundation

Primary Place of Performance: University of New Mexico

Project/Proposal Support Start Date (if available): 2020/07

Project/Proposal Support End Date (if available): 2022/06

Total Award Amount (including Indirect Costs): \$300,000

Person-Month(s) (or Partial Person-Months) Per Year Committed to the Project:

Year	Person-months per year committed
2021	0.5
2022	0.5

2. Project/Proposal Title: RoL: Conference: DESYN-C3: An International Conference Engineering Synthetic Cells and Organelles

Proposal/Award Number (if available): CBET1841170

Source of Support: National Science Foundation

Primary Place of Performance: University of New Mexico

Project/Proposal Support Start Date (if available): 2018/09

Project/Proposal Support End Date (if available): 2020/08

Total Award Amount (including Indirect Costs): \$100,000

Person-Month(s) (or Partial Person-Months) Per Year Committed to the Project:

Year	Person-months per year committed
2019	0.25
2020	0.25

PROJECT/PROPOSAL PENDING SUPPORT

1. Project/Proposal Title: Acoustofluidic Pipette for Rapid and Multiplexed Serodiagnosis of COVID-19

Proposal/Award Number (if available):

Source of Support: University of Colorado (NIH)

Primary Place of Performance: University of New Mexico

Project/Proposal Support Start Date (if available): 2021/04

Project/Proposal Support End Date (if available): 2024/03

Total Award Amount (including Indirect Costs): \$122,399

Person-Month(s) (or Partial Person-Months) Per Year Committed to the Project:

Year	Person-months per year committed
2021	1.28
2022	0.75
2023	0.75

2. Project/Proposal Title: FMRG: Biomanufacturing of Advanced Protein Materials

Proposal/Award Number (if available):

Source of Support: Massachusetts Institute of Technology (NSF)

Primary Place of Performance: University of New Mexico

Project/Proposal Support Start Date (if available): 2021/01

Project/Proposal Support End Date (if available): 2025/12

Total Award Amount (including Indirect Costs): \$750,000

Person-Month(s) (or Partial Person-Months) Per Year Committed to the Project:

Year	Person-months per year committed
2021	1
2022	0.5
2023	0.5

2024	0.5
2025	0.5

3. Project/Proposal Title: Acoustofluidic Pipette for Rapid Serodiagnosis of Candida Infection

Proposal/Award Number (if available):

Source of Support: University of Colorado (NIH)

Primary Place of Performance: University of New Mexico

Project/Proposal Support Start Date (if available): 2020/10

Project/Proposal Support End Date (if available): 2022/09

Total Award Amount (including Indirect Costs): \$60,600

Person-Month(s) (or Partial Person-Months) Per Year Committed to the Project:

Year	Person-months per year committed
2021	0.49
2022	0.78

Using Existing Documents as Templates for other Types of Biosketches

My NCBI » SciENcv » Delegated by Gabriel López

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

Working as a delegate for Gabriel López ([what's this?](#))

[Return to your own SciENcv biosketches](#)

Gabriel P. López

University of New Mexico

[edit](#)

SciENcv documents [Edit](#) [+ Create New Document](#)



Last Update	Name	Type	Sharing
20-May-2020	Lopez Biosketch Biomanufacturing 6-2020	NSF Biosketch	Private
14-Jul-2020	Lopez Current and Pending 6-2020	NSF Current and Pending Support	Private
28-May-2020	Lopez NIH Biosketch AcoustofluidicPipette 6-2020	NIH Biosketch	Private

[+ Create New Document](#)



Using Existing Documents as Templates for other Types of Biosketches

My NCBI » SciENcv » Delegated by Gabriel López

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

Working as a delegate for Gabriel López ([what's this?](#))

[to your own SciENcv biosketches](#)

Gabriel P. López

University of New M

SciENcv documents [Edit](#) [+ Create New Document](#)

Last Update	
20-May-2020	Lopez Biosketch Biomanufactur
14-Jul-2020	Lopez Current and Pending 6-2
28-May-2020	Lopez NIH Biosketch Acoustoflu

[+ Create New Document](#)

Create a New Document

Document name
Enter a name to help you to identify this document

Format

- NIH Biosketch
- NIH Fellowship Biosketch
- NSF Biosketch
- NSF Current and Pending Support
- IES Biosketch

Select a format for this document

Choose data source

- Start with a blank document
- Existing Document:
- External source:

*You must [link to an eRA Commons account](#) to use this option.
Documentation on how to link an external account is available [here](#).*

Sharing

- Private
- Public

You can change the shared settings at any time.

Sharing

Private

Private

Private



Related Information Transfers to New Format

Profile name: IES Test Using NSF Template [[Edit](#)] **Download:** [PDF](#) [Word](#) [XML](#)

Profile type: IES BioSketch [IES grant application instructions](#)

Last Updated: 20 July 2020

Sharing: Private [[Change](#)]

OMB No. 0925-0001 and 0925-0002 (Rev. 03/2020 Approved Through 02/28/2023)

NAME [[Edit](#)]
Tofighi, Davood

[Click here to link eRA Commons account](#)

ORCID ID
<http://orcid.org/0000-0002-6847-5892>

EDUCATION/TRAINING [[Edit entries](#)]

(Begin with baccalaureate and include postdoctoral training if applicable. Add/delete rows as necessary)

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YYYY	FIELD OF STUDY
Sharif Institute of Technology, Tehran , Iran	BACHELOR OF SCIENCE	1999	Industrial Engineering
University of Nebraska, Lincoln, NE	MASTER OF SCIENCE	2003	Industrial Engineering
University of Nebraska, Lincoln, NE	MASTER OF SCIENCE	2005	Educational Psychology
Arizona State University, Tempe, AZ	DOCTOR OF PHILOSOPHY	2010	Psychology (Quantitative Methods)

[add another degree/training](#)

A. Personal Statement [[Edit statement](#)]

I implemented a hands-on research experience as the final project in my Design and Analysis of Experiments graduate course at UNM that taught the students to effectively analyze the data they had collected through their own research and prepare a poster presentation. The course was attended by students from various areas of research in psychology and provided the opportunity for the students to more effectively understand their data and communicate their findings to the public. Many students used the experience to contribute to their masters thesis projects.

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 [[Edit entries](#)]

2011 - 2016 Assistant Professor, Georgia Institute of Technology, School of Psychology, Atlanta, GA
2014 - 2014 The Class of 1969 Teaching Fellow, Georgia Institute of Technology, Center of Teaching and Learning, Atlanta, GA
2016 - present Assistant Professor, University of New Mexico, Department of Psychology, Albuquerque, NM

[add another entry](#)

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 Education Research [[Edit section](#)]

Description

Citations

- Enders CK, Tofighi D. Centering Predictor Variables in Cross-sectional Multilevel Models: A New Look at an Old Issue. *Psychological Methods*. 2007; 12(2):121-138.
- Tofighi D, MacKinnon D. RMediation: An R package for mediation analysis confidence intervals. *Behavior research methods*. 2011; 43(3):692-700. 1554-3528
- Tofighi D, West SG, MacKinnon DP. Multilevel mediation analysis: The effects of omitted variables in the 1-1-1 model. *Br J Math Stat Psychol*. 2013 May;66(2):290-307. PubMed PMID: 22594884; NIHMSID: NIHMS628014; PubMed Central PMCID: PMC4814716.
- Tofighi D, Mackinnon DP, Yoon M. Covariances between regression coefficient estimates in a single mediator model. *Br J Math Stat Psychol*. 2009 Nov;62(Pt 3):457-84. PubMed PMID: 18652738; NIHMSID: NIHMS173369; PubMed Central PMCID: PMC2819398.

Description

Citations

- Tofighi D, Kelley K. Assessing Omitted Confounder Bias in Multilevel Mediation Models. *Multivariate Behav Res*. 2016;51(1):86-105. PubMed PMID: 26881959.
- Tofighi D, Hsiao YY, Kruger ES, MacKinnon DP, Van Horn ML, Witkiewitz KA. Sensitivity Analysis of the No-Omitted Confounder Assumption in Latent Growth Curve Mediation Models. *Struct Equ Modeling*. 2019;26(1):94-109. PubMed PMID: 31057318; NIHMSID: NIHMS1512540; PubMed Central PMCID: PMC6497405.
- Enders CK, Tofighi D. The Impact of Misspecifying Class-Specific Residual Variances in Growth Mixture Models. *Structural Equation Modeling: A Multidisciplinary Journal*. 2008; 15(1):75-95.
- Tofighi D, Enders C. Identifying the correct number of classes in growth mixture models. *Advances in Latent Variable Mixture Models*. 01/0; 2007(1):317-341.

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.

Suggested Checklist

My NCBI Owner (PI)

- Create My NCBI account
- Add ORCID account information (if applicable)
- Assign Delegates to My Bibliography AND sciENCv using associated email addresses
- Share relevant original documents w/ delegate

My NCBI Delegate (Administrator)

- Create My NCBI account
- If ORCID account is not linked or is not updated effectively, build My Bibliography with PI publications.
- Transfer relevant information to sciENCv application from original documents.
- Download PDFs and share with PI to let them know you're done.



Final Thoughts

- NIH is now requiring ORCiD IDs for individuals supported by Research Training, Fellowship, Research Education, and Career Development Awards
 - <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-19-109.html>
- Other agencies may follow this trend.
- Register for your ORCiD ID and direct faculty to do the same at <https://orcid.org>
- Learn more about adding a Trusted Individual [here](#).



Questions about this Presentation?

Contact the Presenters:

Stephanie Tofighi at sctofighi@unm.edu

Have a topic you want to see presented or discussed?

Contact the Region VII PEDC with your ideas:

OSP_info@mail.colostate.edu

