

Using ORCID with SciENcv to Save Researchers Time & Reduce Burden

NC State's Approach

go.ncsu.edu/fdp2020-ncsu

NC State University Libraries

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ORCID at the NIH

In Oct 2019 NIH will begin rolling out the requirement for all individuals supported by NIH training grants, fellowships, and career development awards to have ORCID iDs and they must be linked to their eRA Commons profiles.

<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-19-109.html>

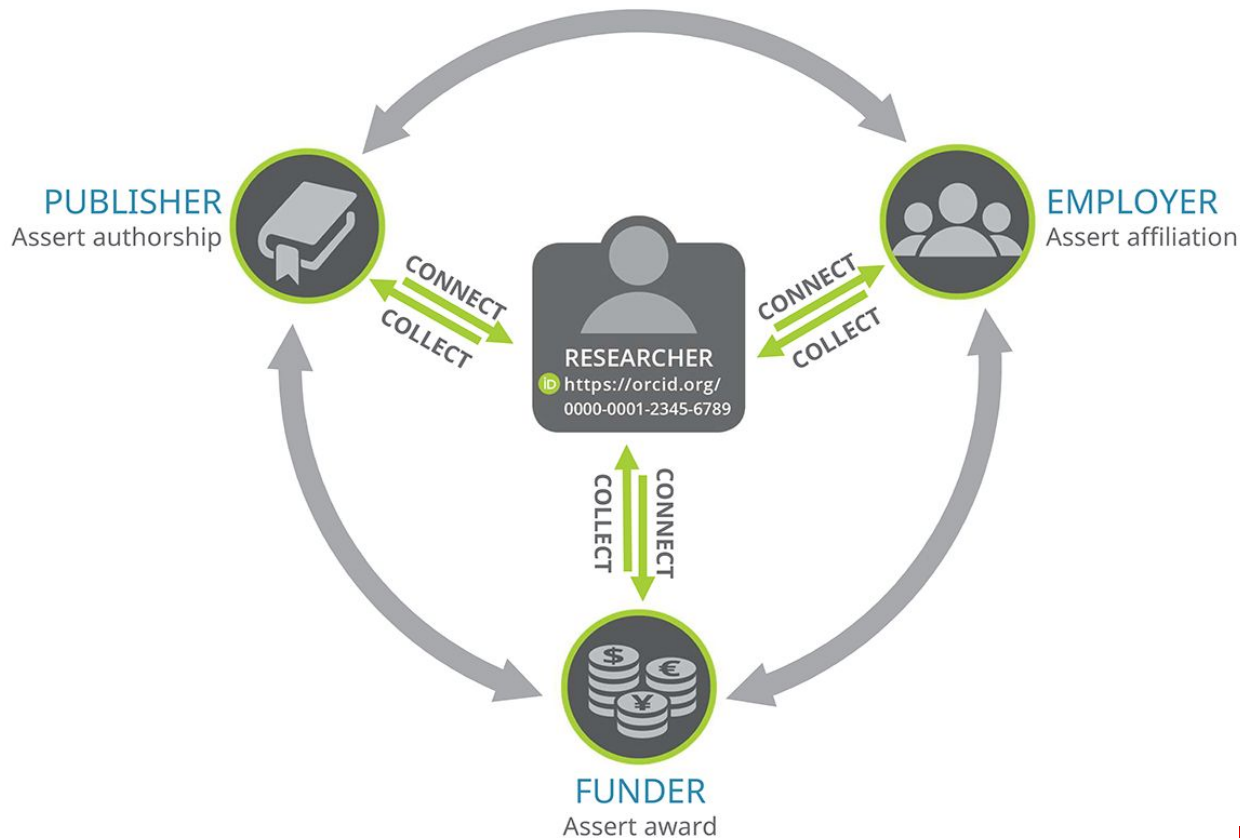
ORCID for Biosketches for the NSF

The **National Science Foundation (NSF)** has designated the **National Institutes of Health's SciENCv (Science Experts Network Curriculum Vitae)** as an **NSF-approved format for submission of biographical sketch(es)** and is encouraging its use to prepare a biographical sketch for inclusion in proposals to NSF...Beginning with the next iteration of the PAPPG (anticipated effective date, January 2020), NSF will only accept PDFs for biographical sketches that are generated through use of an NSF-approved format.

https://www.research.gov/research-portal/appmanager/base/desktop?_nfpb=true&_pageLabel=research_node_display&_nodePath=/researchGov/Generic/Common/BioSketchAdvisory.html

INTEROPERABILITY

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ORCID Institutional Membership

ORCID and publishing

Get credit.

Increase the discoverability of your work.

Increase your impact.

Examples of Journals Requiring ORCID

- Langmuir (ACS)
- Macromolecules (ACS)
- Biotechnology and Bioengineering (Wiley)
- Soft Matter (RSC)
- IEEE journals

ORCID Tip: Auto-Updates

1. Use your ORCID iD when you publish.
2. Publisher mints a DOI for your article.
3. Publisher pushes your publication metadata with your associated ORCID iD to the Crossref DOI service.
4. Crossref pushes the publication to your ORCID record automatically.

If you use your ORCID iD early on in the publishing process, you don't have to enter this data manually later.

Auto-Updates Results

Structural sparsity of complex networks: Bounded expansion in random models
and real-world graphs

Journal of Computer and System Sciences

2019-11 | journal-article

DOI: [10.1016/j.jcss.2019.05.004](https://doi.org/10.1016/j.jcss.2019.05.004)



Source: Crossref

★ Preferred source

Subgraph centrality and walk-regularity

Linear Algebra and its Applications

2019-06 | journal-article

DOI: [10.1016/j.laa.2019.02.005](https://doi.org/10.1016/j.laa.2019.02.005)



Source: Crossref

★ Preferred source

ORCID and funding

Importing data into SciENcv
to create biosketches

ORCID and SciENcv

- Use **ORCID** to pull publications into the “Products” section in the NSF biosketch or the “Personal Statement” and “Contributions to Science” sections of the NIH Biosketch
- **ORCID** makes it easier to pull in non-traditional publications (white papers, government documents, conference abstracts) or articles not in PubMed
- Also use **ORCID** to pull information about education and appointments

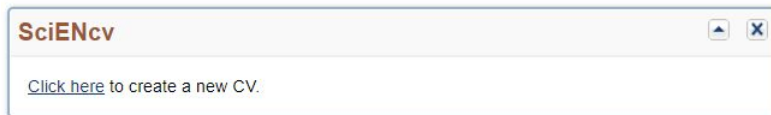
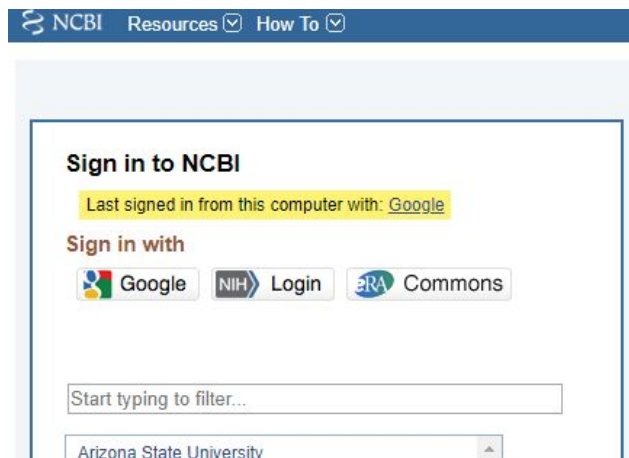


What is SciENcv?

- **Created and managed by NCBI (NIH)**
- Science Experts Network Curriculum Vitae ([SciENcv](#)) is an electronic system that researchers can use to create and maintain biosketches for NIH and NSF grant applications and annual reports
- [SciENcv](#) pulls information from other systems (MyNCBI, [ORCID](#), and eRA Commons) to allow researchers to quickly create and recreate a biosketch for each grant application or annual report

Navigating SciENcv through MyNCBI

Click here to start!



Creating a Biosketch

Create a New Biosketch

Biosketch name

Enter a name to help you to identify this biosketch

Format

- ☐ NIH Biosketch
- ☐ NIH Fellowship Biosketch
- ☒ NSF Biosketch
- ☐ IES Biosketch

Select a format for this biosketch

Choose data source

- ☐ Start with a blank document
- ☐ Existing Biosketch:
- ☒ External source:

Your ORCID account is linked to SciEncv.

Sharing

- ☒ Private
- ☐ Public

You can change the shared settings at any time.

Create

Cancel

NAME [\[Edit \]](#)

Posey, Rachael

ORCID ID

<http://orcid.org/0000-0002-1638-9351>

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
University of North Carolina at Chapel Hill	Chapel Hill, NC, US	N/A		2010
Duke University	Durham, NC, US	N/A		2007

[add another degree/training](#)

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

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

2017 Health & Life Sciences Research Librarian and Associate Director, Veterinary Medicine, North Carolina State University, Libraries, Raleigh, North Carolina, US

2014 - 2017 Pharmacy Liaison Librarian, University of North Carolina at Chapel Hill, Health Sciences Library, Chapel Hill, NC, US

2012 - 2014 Research Librarian, University of North Carolina at Chapel Hill, Cecil G. Sheps Center for Health Services Research, Chapel Hill, NC, US

2011 - 2012 Research Analyst, Duke University, Clinical Research Institute, Durham, NC, US

[add another entry](#)

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 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.

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

[add another entry](#)

Screenshot

Common Issues with SciENcv

- Unsure where to find SciENcv once logged into MyNCBI
- Missing publications due to malformed or missing DOIs
- Formatting errors (e.g., publications without page numbers)
- Need to edit Synergistic Activities section
- Can't edit PDF exports of biosketches
- Where to go for help
- Troubleshooting under tight deadlines




Approaches to Prepare NC State

Guide: lib.ncsu.edu/sciencv-for-biosketches

NC STATE

University Libraries

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THE EXTRAORDINARY**
The Campaign for NC State →

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Research & Teaching

Media & Making

Data & Visualization

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Using SciENCv to Create Your Biosketch

Are you looking for help to create your NIH or NSF Biosketch? This step-by-step guide will walk you through what you need to know, from logging into SciENCv (the NSF- and NIH-approved system for creating biosketches) and linking your ORCID profile to make it easier to populate your biosketch, through creating and exporting your biosketch. Select a section below for more details.

Background Information	+
Using SciENCv through MyNCBI	+
Linking information from ORCID	+
Creating your Biosketch	+
Exporting your Biosketch	+
Delegate Access	+
Additional Help	+

Train the trainers

University-level events

- Research Administration Retreat (Oct 2019)
- Q&A panel for research admins (Nov 2019)
- University Research Council (Dec 2019)

College & Department-level events

- College of Sciences NSF CAREER Award workshop
- Computer Science Dept
- Math Dept
- College of Natural Resources

Memos & Alerts from Research Administrators

- Proposal Development Unit newsletter
- College of Agriculture email to researchers
- College of Textiles email to researchers

Citation Index

<https://ci.lib.ncsu.edu>

Collection of publications by NC State
affiliated people.



Steven Shannon

Professor of Nuclear Engineering

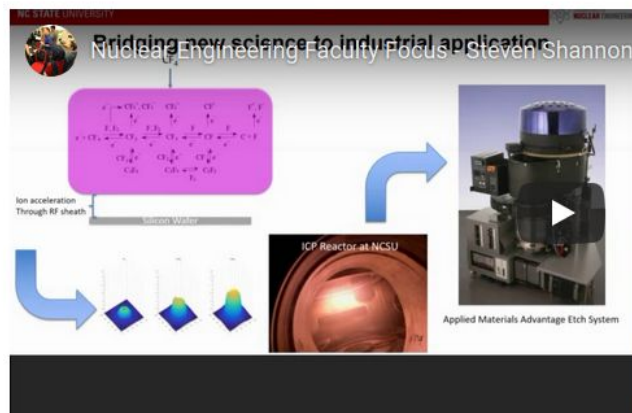
Dr. Steve Shannon works in the area of industrial applications of plasma discharges. Plasmas are currently used for everything from decorative enhancement of bathroom fixtures to fabrication of the next generation of micro- and nano- scale devices. Plasma systems for industrial applications is a multi-billion dollar industry. His research focuses on enhancing current plasma applications being used and developed today and developing new plasma applications for next generation material and device fabrication.

☎ 919-515-3292

✉ scshannon@ncsu.edu

📍 Burlington Laboratory
2112

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Publications

Complex transients in power modulated inductively-coupled chlorine plasmas

List, T., Ma, T., Arora, P., Donnelly, V. M., & Shannon, S. (2019), *Plasma Sources Science and Technology*, 28(2), 025005.
<https://doi.org/10.1088/1361-6595/ab000c>

Doppler-free, Stark broadened profiles at low plasma densities in helium

Zafar, A., Martin, E., & Shannon, S. (2019), *Journal of Quantitative Spectroscopy and Radiative Transfer*, 230, 48–55. <https://doi.org/10.1016/j.jqsrt.2019.03.020>

Electromagnetics Simulations with Vector-valued Finite Elements in MOOSE

Icenhour, C. T., Lindsay, A. D., Martineau, R. C., & Shannon, S. (2019), *In Idaho National Laboratory Report (No. INL/CON-18-52320-Rev000)*.

Measurement of localized plasma perturbation with hairpin resonator probes

Ford, K., Peterson, D. J., Brandon, J., Nam, S. K., Walker, D., & Shannon, S. C. (2019), *Physics of Plasmas*, 26(1), 013510.
<https://doi.org/10.1063/1.5065509>

Time-Resolved Electron Density Measurement Characterization of E–H-Modes for Inductively Coupled Plasma Instabilities

Coumou, D. J., Smith, S. T., Peterson, D. J., & Shannon, S. C. (2019), *IEEE Transactions on Plasma Science*, 47(5), 2102–2109.
<https://doi.org/10.1109/TPS.2019.2909476>

High resolution magnetic field measurements in hydrogen and helium plasmas using active laser spectroscopy

Zafar, A., Martin, E., & Shannon, S. (2018), *Review of Scientific Instruments*, 89(10), 10D126. <https://doi.org/10.1063/1.5039334>

Driving frequency fluctuations in pulsed capacitively coupled plasmas

Poulose, J., Goeckner, M., Shannon, S., Coumou, D., & Overzet, L. (2017), *The European Physical Journal D*, 71(9). <https://doi.org/10.1140/epjd/e2017-80096-7>

Electron neutral collision frequency measurement with the hairpin resonator probe

Peterson, D. J., Kraus, P., Chua, T. C., Larson, L., & Shannon, S. C. (2017), *Plasma Sources Science and Technology*, 26(9), 095002.
<https://doi.org/10.1088/1361-6595/aa80fa>

Driving frequency fluctuations in pulsed capacitively coupled plasmas

Poulose, J., Goeckner, M., Shannon, S., Coumou, D., & Overzet, L. (2017), *The European Physical Journal D*, 71(9). <https://doi.org/10.1140/epjd/e2017-80096-7>

Electron neutral collision frequency measurement with the hairpin resonator probe

Peterson, D. J., Kraus, P., Chua, T. C., Larson, L., & Shannon, S. C. (2017), *Plasma Sources Science and Technology*, 26(9), 095002. <https://doi.org/10.1088/1361-6595/aa80fa>

IEDF distortion and resolution considerations for RFEA operation at high voltages

Talley, M. L., Shannon, S., Chen, L., & Verboncoeur, J. P. (2017), *Plasma Sources Science and Technology*, 26(12), 125001. <https://doi.org/10.1088/1361-6595/aa9465>

Science challenges in low-temperature plasma science and engineering: Enabling a future based on electricity through non-equilibrium plasma chemistry

Mededovic Thagard, S., Sankaran, M., Kushner, M. J., & Shannon, S. (2017). , [NSF Workshop Report]. National Science Foundation.

View all publications via NC State Libraries →

Steven Shannon

Also known as: Steve Shannon; Steven C. Shannon;
S.C. Shannon; S. Shannon

Nuclear Engineering

 <https://orcid.org/0000-0001-8317-6949>

Works **46**

Employment

Education

Works (46) 9 open access

Actions ▾

2019 journal article

 Cite it

Complex transients in power modulated inductively-coupled chlorine plasmas

Plasma Sources Science and Technology, 28(2), 025005.

By: T. List, T. Ma, P. Arora, V. Donnelly & **S. Shannon**

 [10.1088/1361-6595/ab000c](https://doi.org/10.1088/1361-6595/ab000c)

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Sources: Web Of Science, ORCID, Crossref

Added: March 18, 2019

2019 journal article

 [Cite it](#)

APA

IEEE

MLA

Harvard

Vancouver

Chicago

BibTeX

List, T., Ma, T., Arora, P., Donnelly, V. M., & Shannon, S. (2019). Complex transients in power modulated inductively-coupled chlorine plasmas. *Plasma Sources Science and Technology*, 28(2), 025005. <https://doi.org/10.1088/1361-6595/ab000c>

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Complex transients in power modulated inductively-coupled chlorine plasmas

Plasma Sources Science and Technology, 28(2), 025005.

By: T. List, T. Ma, P. Arora, V. Donnelly & **S. Shannon**

 [10.1088/1361-6595/ab000c](https://doi.org/10.1088/1361-6595/ab000c)

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Sources: Web Of Science, ORCID, Crossref

Added: March 18, 2019

How does the Libraries get publication data?

1. Harvest citations from ORCID. (ORCID iD registered with the Libraries required.)
2. Harvest citations from Web of Science by affiliation. (Every week for the past 12+ years.)
3. Add citations to Citation Index based on a CV (or another list of citations) to fill in gaps. (Service provided by request.)

CV Service: Libraries Help Bootstrap ORCID Records

CV Service

- Deal with the backlog of adding publications to **ORCID**.
- Jumpstart **ORCID** records by adding publications with DOIs to **ORCID**.

5 Minutes to Register & Send a CV

1. Register **ORCID** iD with the Libraries. Can create **ORCID** iD as part of the process if don't already have one. Get started here: <https://ci.lib.ncsu.edu>
2. Send us your CV (or another list of publications or a link to a list of publications) with a short upload form.
<https://ci.lib.ncsu.edu/user/cv-service>

That's it. We take it from there.

CV Service specifics

1. Convert citations into a machine-readable, reusable format.
2. Deduplicate citations.
3. Find DOIs to enhance data about works.
4. Send publications with DOIs to ORCID.
5. Find links to open access copies.
6. Respond to users with our progress.

Local reuse via custom APIs

Faculty Activity Reporting

Any publications we record in the Citation Index
we provide for ingest into FAR systems
(e.g. Digital Measures)

People

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All A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z

☐ Include inactive
profiles?

Elisa Crisci

38 works, including
16 open access

 <https://orcid.org/0000-0002-4235-8508>

Samantha Erwin

7 works, including 4
open access

 <https://orcid.org/0000-0002-5162-4193>

Fred Fuller

43 works, including
15 open access

 <https://orcid.org/0000-0002-6650-4186>

Tobias Kaeser

26 works, including
7 open access

 <https://orcid.org/0000-0001-8764-7971>

Teresa Leavens

15 works, including
4 open access

 <https://orcid.org/0000-0001-7611-4096>

Gustavo Machado

50 works, including
15 open access

 <https://orcid.org/0000-0001-7552-6144>

Electrical & Computer Engineering

College of Engineering

Works

People

Works Published in 2019

[View as JSON](#)

Sorted by most recent date added to the index first, which may not be the same as publication date order.

2019 ✓

1

2

3

4

5

...

[Next ›](#)

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2018

2017

2016

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2014

2013

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2019 journal article

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High-harmonic generation from an epsilon-near-zero material

NATURE PHYSICS, 15(10), 1022-+.

By: Y. Yang, J. Lu, A. Manjavacas, T. Luk, H. Liu, K. Kelley, J. Maria, E. Runnerstrom ... and 3 other authors

[doi](#) 10.1038/s41567-019-0584-7

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Source: Web Of Science

Added: October 21, 2019

2019 article

[Cite it](#)

Spectroscopic Interrogation of the Acetylation Selectivity of Hardwood

Next Steps

Highly Recommended

Send us your CV

Upload your CV. We will add your citations to your Citation Index profile. We will search for DOIs for your publications. We will push citations with DOIs to your ORCID record.

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Recommended

Turn on Auto-Updates

Use your ORCID iD when you publish and have your profile automatically updated.

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Add publications to your department directory page

Your most recent publications can show up automatically on your directory page. Some departments use a feed of Citation Index publications on their college and department directory pages. If you haven't already, you must take action to enable this feature.

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Search & Link

With ORCID Search & Link you can quickly find publications from verified sources and easily add them to your ORCID record.

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Experiments: Metrics

2008 journal article

 Cite it

Sensitivity analysis and model assessment: Mathematical models for arterial blood flow and blood pressure

Cardiovascular Engineering, 8(2), 94–108.

By: [L. Ellwein](#), [H. Tran](#), [C. Zapata](#), [V. Novak](#) & [M. Olufsen](#)

 [10.1007/s10558-007-9047-3](https://doi.org/10.1007/s10558-007-9047-3)

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Sources: NC State University Libraries, ORCID

Added: August 6, 2018

 Referenced in **52** patents

 **67** readers on Mendeley

[See more details](#)



ORCID and CV Service Stats

- 747 users have connected their ORCID iD in the Citation Index.
- 17,000+ works have been added to ORCID records via the Citation Index.
- 34,000+ DOIs have been found for Citation Index works.
- 19,600+ open access links have been discovered from the Unpaywall API.

Save the Time of the Researcher
Amplify their Research Impact

Strategies to help prepare researchers for SciENcv and increase ORCID adoption

- Get delegate access to researchers' ORCID and SciENcv accounts
 - Help add publications, etc to ORCID
 - Help set up automatic updates for ORCID
 - Help link and import data from ORCID to SciENcv
- Encourage authors to use ORCID when they publish
- ORCID institutional membership
 - API keys
 - Part of ORCID US Community
- Re-use our guide: <https://www.lib.ncsu.edu/sciencv-for-biosketches>
- Partner with your librarians
- Work with NLM to troubleshoot issues

Thanks!

Our slides: go.ncsu.edu/fdp2020-ncsu

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Jason Ronallo

Department Head of Digital Library Initiatives

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<https://www.lib.ncsu.edu/staff/jnronall>