



ORCID Institutional Use Cases for Researchers and Research Organizations

A joint session with UNNC
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We'll briefly cover a few things:

- Re/introduction to ORCID
- ORCID in Practices
 - Use Cases in Research Workflow
- Discussion and feedback

The ability to disambiguate researchers is critical for a trustworthy scholarly record

What's in a name?

Most names are not unique

S.M.
Hernandez
Garcia

S. Garcia

蘇菲亞

ایفوص

소피아

Many people have the same or similar name, and names may change through marriage or other circumstances.



Individuals and organizations can use different alphabets, abbreviations, or naming conventions.



People use different versions of their names during their career.

Which WANG Xiaoli is which?



8 | Virology | Research Article | 06 June 2022



Trivalent NDV-HXP-S Vaccine Protects against Phylogenetically Distant SARS-CoV-2 Variants of Concern in Mice

Authors: Irene González-Domínguez , Jose Luis Martínez, Stefan Sliamanig , Nicholas Lemus, Yonghong Liu, Tsai Ying Lai, Juan Manuel Carreño, Gagandeep Singh , Gagandeep Singh , Michael Schotsaert, Ignacio Mena, Stephen McCroskery, Lynda Coughlan , Floria , Adler , Adolfo , Sastre , Peter Palese , Weina Sun

[SHOW FEWER](#) | [AUTHORS INFO & AFFILIATIONS](#)

Supporting researchers, organizations and sharing research outputs are key parts in the field of research



Re/introduction to ORCID

A Few ORCID Facts

- Independent not-for-profit open to participation by all
- Registry launched in 2012
- Sustained by fees from our member organizations
- Guided by our [values and founding principles](#)
- Community-governed by a Board of Directors elected by our members



ORCID's Mission

ORCID's mission is to **enable transparent and trustworthy connections** between **researchers**, their **contributions**, and their **affiliations** by providing a **unique, persistent identifier** for **individuals** to use as they engage in **research, scholarship, and innovation activities**.

ORCID, which stands for Open Researcher and Contributor Identifier, provides three main services



1. The ORCID iD: a unique, persistent identifier free of charge to researchers



2. Through a set of Application Programming Interfaces (APIs) adopted by organizations, researchers share their iD with organizations during regular research workflows and organizations can exchange research information with interoperability



3. A place to store and share the resulting connections between iDs and research activities and affiliations

ORCID: PIDs for researchers

- **Persistent Identifier:**
<http://orcid.org/0000-0002-2771-9344>
- Changes in:
 - Name?
 - Career?
 - Location?
 - Discipline?
- Your **ORCID iD** stays the same! (It's persistent)

ORCID: PIDs for researchers

- *and* the associated **record** (sometimes called a profile) that stores automatic links to all your research, and links all your research with you.

The screenshot displays an ORCID iD profile for Sofia Maria Hernandez Garcia. The profile is organized into several sections:

- Header:** Includes the ORCID iD logo, the URL <https://orcid.org/0000-0001-5727-2427>, and a link to sign in or start editing.
- Published name:** Sofia Maria Hernandez Garcia.
- Name:** Sofia Garcia.
- Also known as:** S. M. Garcia, Sofia Maria Garcia.
- Biography:** Sofia Maria Hernandez Garcia is used for testing and demonstrating ORCID records.
- Activities:** A section with a "Collapse all" link and a "Sort" button.
- Employment (2):** A section with a "Sort" button containing two entries:
 - New Arizona State University: Sedona, Arizona, US:** 2015-09 to present | Associate Professor (Department of Geography) Employment. Source: Sofia Maria Hernandez Garcia. [Show more detail](#)
 - ORCID: Bethesda, MD, US:** 2014-05-14 to 2019-09-25 | Engagement Lead Employment. Source: ORCID via ORCID Member Portal. [Show more detail](#)
- Education and qualifications (4):** A section with a "Sort" button containing one entry:
 - London School of Physics: London, GB:** 2016 to 2018 | PhD (Computer Science) Qualification. [Show more detail](#)
- Left sidebar:** Contains links to the user's Emails (s.garcia@orcid.org), Websites & social links (Faculty profile webpage), Other IDs (Profile system identifier: A-123456, ResearcherID: L-8716-2018, eScientist: 0000-0001-5727-2427), and Countries (United States).

ORCID, which stands for Open Researcher and Contributor Identifier, provides three main services



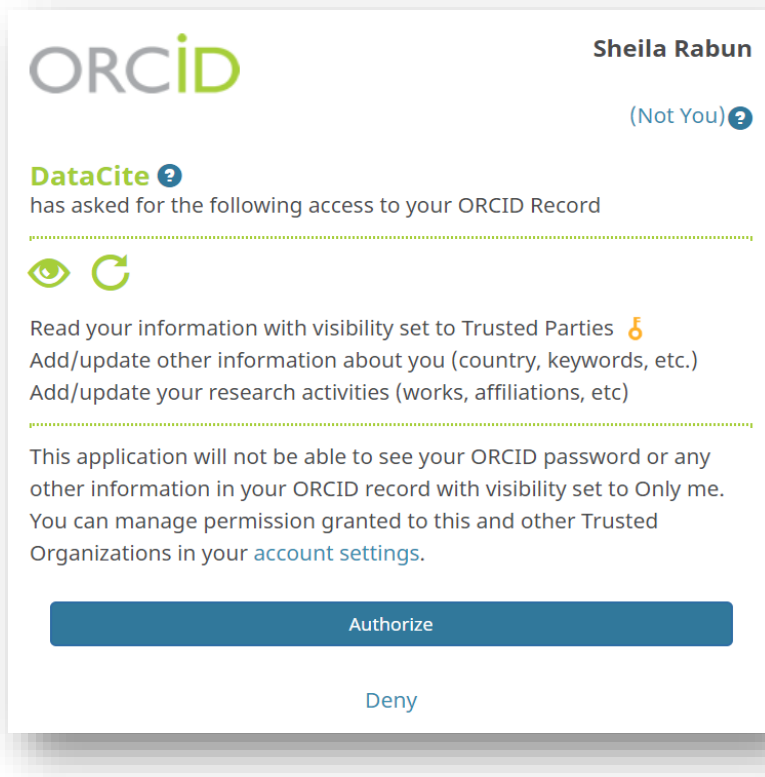
1. The ORCID iD: a unique, persistent identifier free of charge to researchers



2. Through a set of Application Programming Interfaces (APIs) adopted by organizations, researchers share their iD with organizations during regular research workflows and organizations can exchange research information with interoperability



3. A place to store and share the resulting connections between iDs and research activities and affiliations



ORCID Members (Organizations) can use ORCID's API to invite researchers to share ORCID iDs via OAuth authentication.

ORCID Members can collect information from ORCID and to connect research activities to researchers' ORCID records.

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3. A place to store and share the resulting connections between iDs and research activities and affiliations

The ORCID provenance model makes it clear which systems added what

- Employment

Name

Rouzbeh Abbassi

Activities [Collapse all](#)

▼ Employment (1) [Sort](#)

Macquarie University: Sydney, New South Wales, AU

Employment [Show more detail](#)

Source: Macquarie University

The ORCID provenance model makes it clear which systems added what

- Education

▼ Education and qualifications (3)

≡ Sort

University of Bristol: Bristol, GB

Education

[Show more detail](#)

Source: University of Bristol - PURE



The ORCID provenance model makes it clear which systems added what

- Works

▼ Works (2)

≡ Sort

A Methodology for the Design of Application-Specific Cyber-Physical Social Sensing Co-Simulators

Sensors

2017-09 | Journal article

DOI: [10.3390/s17102177](https://doi.org/10.3390/s17102177)

[Show more detail](#)

Source: Multidisciplinary Digital Publishing Institute

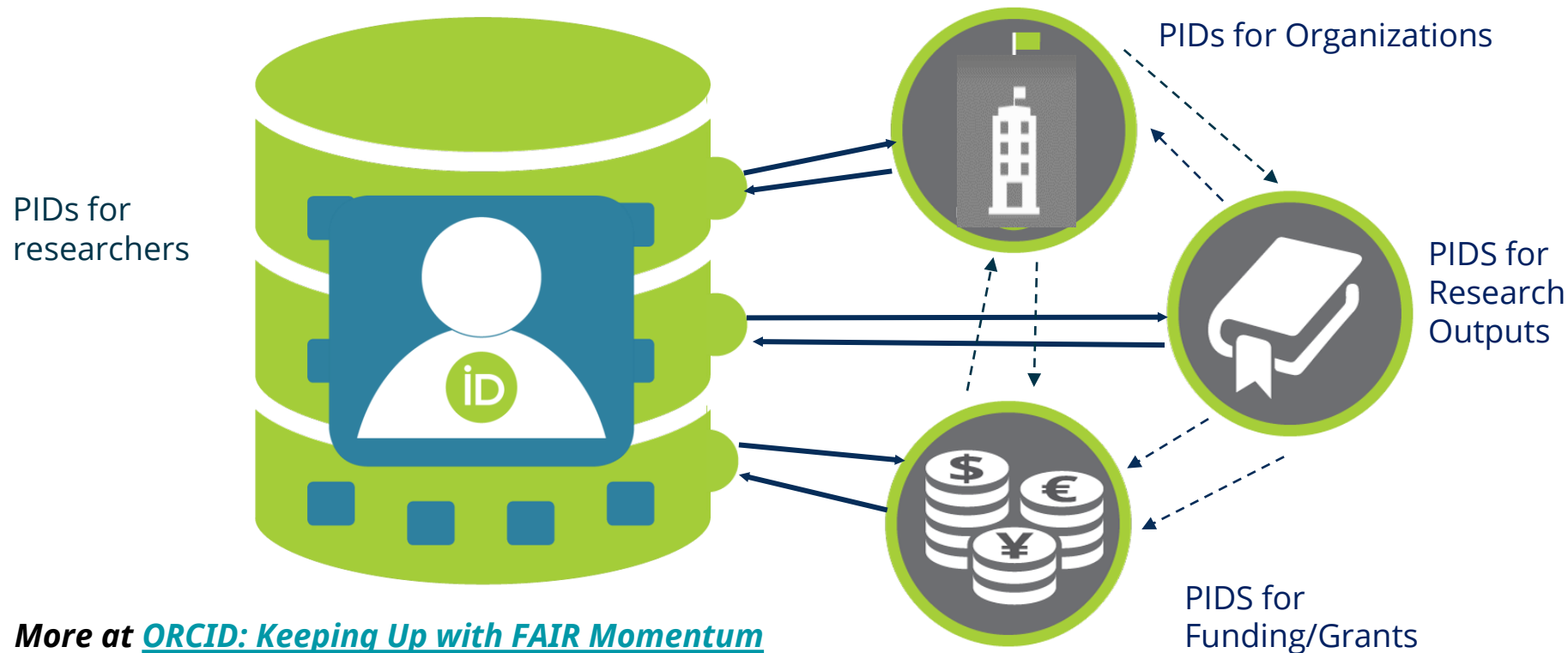


The ORCID provenance model makes it clear which systems added what

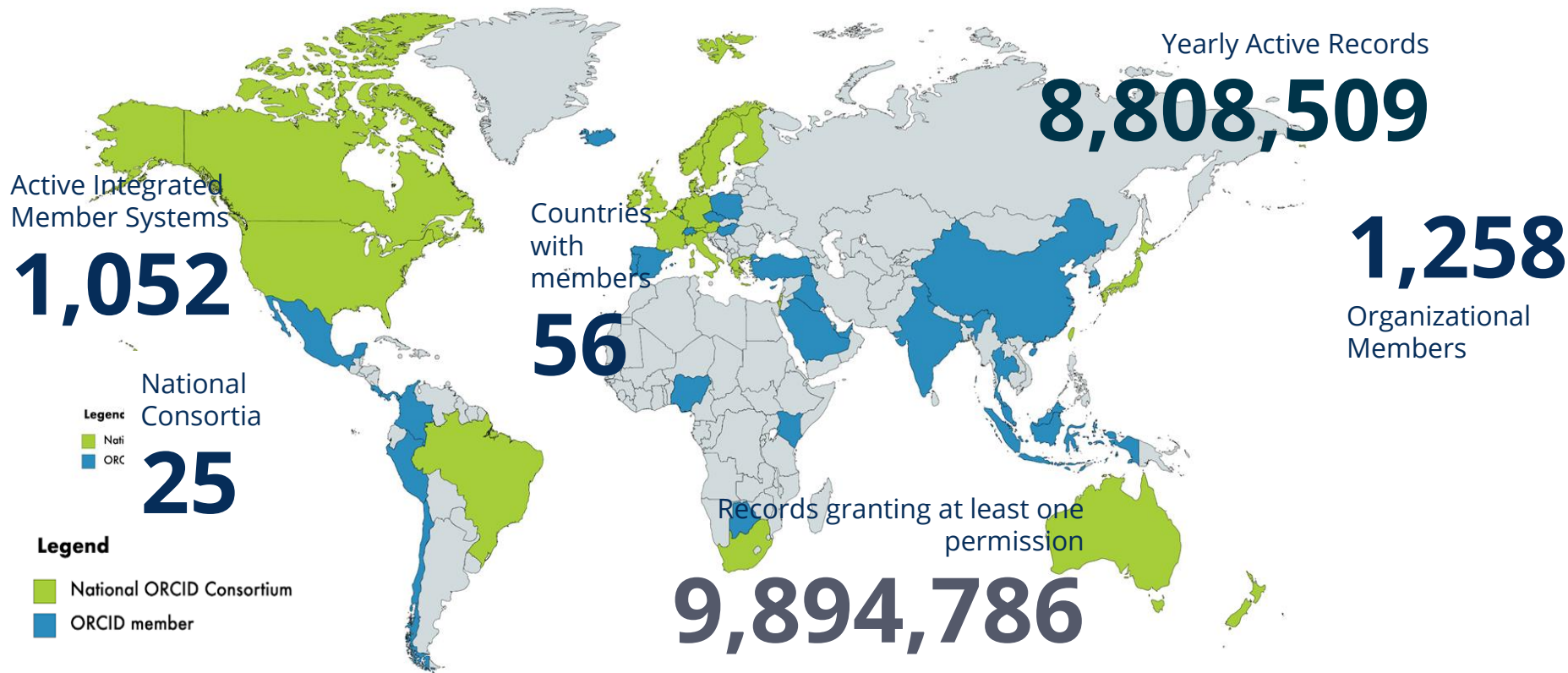
- Peer Review for Works

Peer review (1)		Sort
Review activity for PLoS biology. (2)		
<p>journal, PLOS Biology (eISSN-1545-7885; ISSN-1544-9173) is an open-access, peer-reviewed general biology journal published by PLOS, a nonprofit organization of scientists and physicians committed to making the world's scientific and medical literature a public resource. New articles are published online weekly; issues are published monthly.</p> <p>ISSN: 1545-7885</p>		
Review date: 2019	Type: review	Role: reviewer
Source: PLOS		Show more detail View

Open PIDs enable an infrastructure to connect researchers, institutions, and research outputs



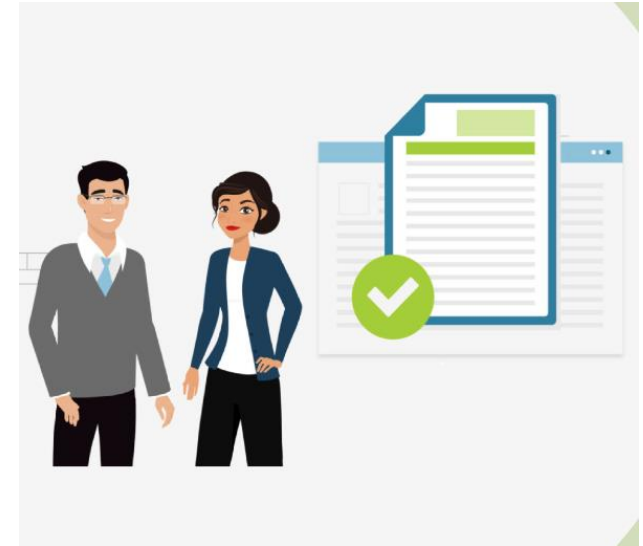
We have reached a critical mass of global participation



ORCID in Practices: Use Cases for Researchers

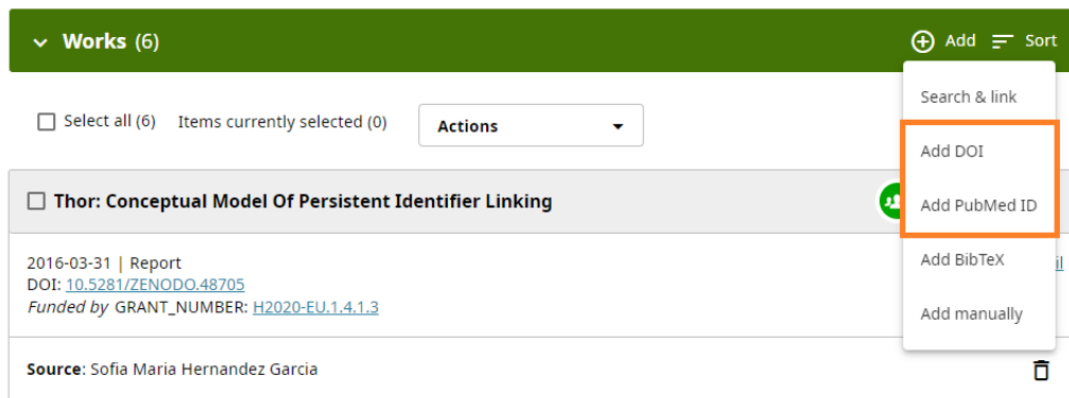
Optimize your ORCID record

- Ensure your ORCID is connected so you can easily share your data between your record and an increasing number of funders, publishers, data repositories, and other research workflows.
- The more well-populated ORCID records there are, the more value that both researchers and the entire community can gain from participating in ORCID.



Use Case - Adding works using DOIs

- Adding works using DOIs - researchers can add any type of research output through its DOI (Most RAs support this)

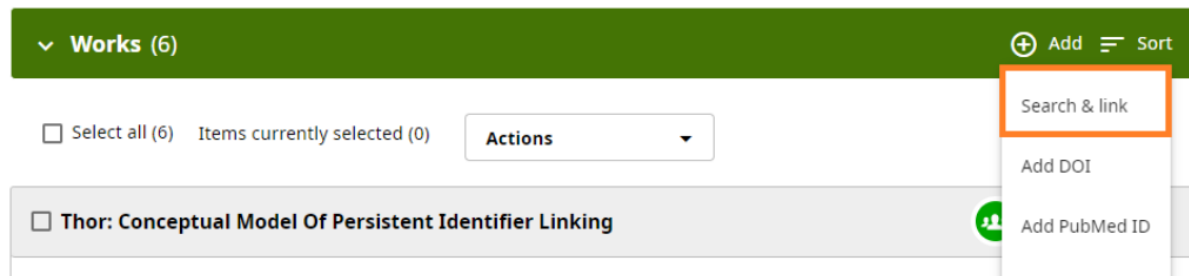


The screenshot displays the ORCID 'Works' management interface. At the top, a green header bar contains a dropdown arrow, the text 'Works (6)', and buttons for '+ Add' and 'Sort'. Below this, a control bar includes a checkbox for 'Select all (6)', the text 'Items currently selected (0)', and an 'Actions' dropdown menu. The main content area shows a list of works. The first work, 'Thor: Conceptual Model Of Persistent Identifier Linking', is highlighted. To its right, a green circular icon with a white plus sign is visible. A dropdown menu is open from this icon, listing five options: 'Search & link', 'Add DOI' (highlighted with an orange border), 'Add PubMed ID', 'Add BibTeX', and 'Add manually'. The work details for 'Thor' include the date '2016-03-31', the type 'Report', the DOI '10.5281/ZENODO.48705', the funding 'Funded by GRANT_NUMBER: H2020-EU.1.4.1.3', and the source 'Sofia Maria Hernandez Garcia'.

**For organizations that add information to the ORCID Registry, please follow our workflow*

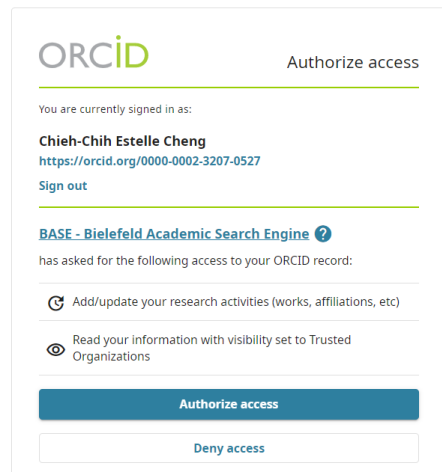
Use Cases - Search and link wizards

- Search and link wizards – Researchers can use this service to claim their research outputs
 - ORCID member organizations have build ORCID integrations that help researchers discover and connect their activities from within their ORCID records.
 - A list of wizards is displayed upon login in the relevant section of a researcher's ORCID record (currently, Funding, Works, and most recently, Peer Review).
 - Four DOI RAs Airtiti, Crossref, DataCite, and the Japan Link Center support this feature.



Use Cases - Search and link wizards

- Researchers will be prompted to grant access to their ORCID record then taken to the member's website to select the works to be added
- Information added with a Search and Link Wizard will display the relevant organization as the source of the item and you as the source of the connection between that item and your record. This displays as “[researcher name] via [wizard name].”



ORCID Authorize access

You are currently signed in as:

Chieh-Chih Estelle Cheng
<https://orcid.org/0000-0002-3207-0527>
[Sign out](#)

BASE - Bielefeld Academic Search Engine [?](#)

has asked for the following access to your ORCID record:

- Add/update your research activities (works, affiliations, etc)
- Read your information with visibility set to Trusted Organizations

Authorize access

Deny access

☐ **Experimental Performance Study of Titanium Dioxide Nano Fluid as a Coolant in Solar Photovoltaic / Thermal System**

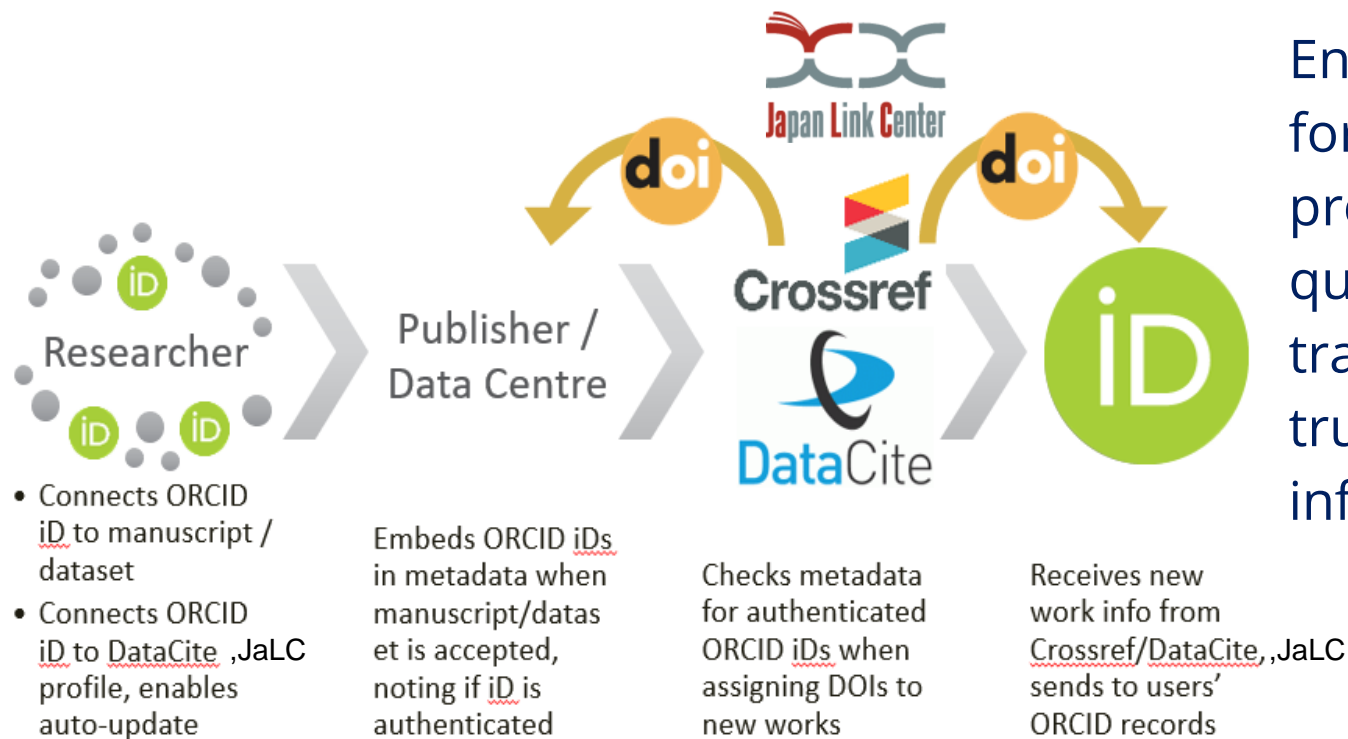
中國機械工程學刊
2022 | Journal article
OTHER-ID: [AL:02579731-202204-202205050008-202205050008-165-179](#)
CONTRIBUTORS: Geetha Ramadass; M.M. Vijayalakshmi; E.Natarajan

Source: Chieh-Chih Estelle Cheng *via* Airiti

Use Case - Auto-updates

- Auto-updates
 - When researchers share their iDs and grant permissions to a DOI Registration Agency during the manuscript submission or data deposit workflow, the RA can add research output information to their ORCID records automatically
 - Crossref, DataCite, and the Japan Link Center support this feature.
 - KISTI: developing

Auto-updates workflow



Enable time-savings for researchers, preserve metadata quality, and support transparency and trust in research information

ORCID in Practices: Use Cases for Research Organizations

Member organizations can increase the trustworthiness of ORCID records by writing validated data to researcher's records (with their permission)

▼ Employment (3)
NYU School of Medicine: New York, NY, US
2009-07-01 to present Clinical Assistant Professor of Dermatology (Dermatology), Employment
Source: New York University

▼ Education and qualifications (1)
University of Georgia: Athens, GA, US
2021-08 to present Graduate Student Education
Source: University of Georgia - Affiliation Manager via ORCID Member Portal

Provenance data shows that these items were added by ORCID member organizations

We call these validated assertions
"Trust Markers"

Organizations can use these “trust markers” when evaluating users specific to their needs

- Trust Markers include:
 - **Affiliations** added by **research institutions**
 - **Works** (e.g. articles) added by **publishers** and **repositories**
 - **Funding awards** add by **funders**
 - Links to **other person IDs**
- The provenance of each assertion is indicated in the ORCID UI and API responses
- Read more about this in our latest blog post: <https://info.orcid.org/interpreting-the-trustworthiness-of-an-orcid-record/>

▼ Peer review (1) Sort

▼ Review activity for PLoS biology. (2)

journal, PLoS Biology (eISSN-1545-7885; ISSN-1544-9173) is an open-access, peer-reviewed general biology journal published by PLOS, a nonprofit organization of scientists and physicians committed to making the world's scientific and medical literature a public resource. New articles are published online weekly; issues are published monthly.
ISSN: [1545-7885](#)

Review date: 2019 Type: review Role: reviewer	Show more detail View
Source: PLOS	

Name
Rouzbeh Abbassi

Activities Collapse all

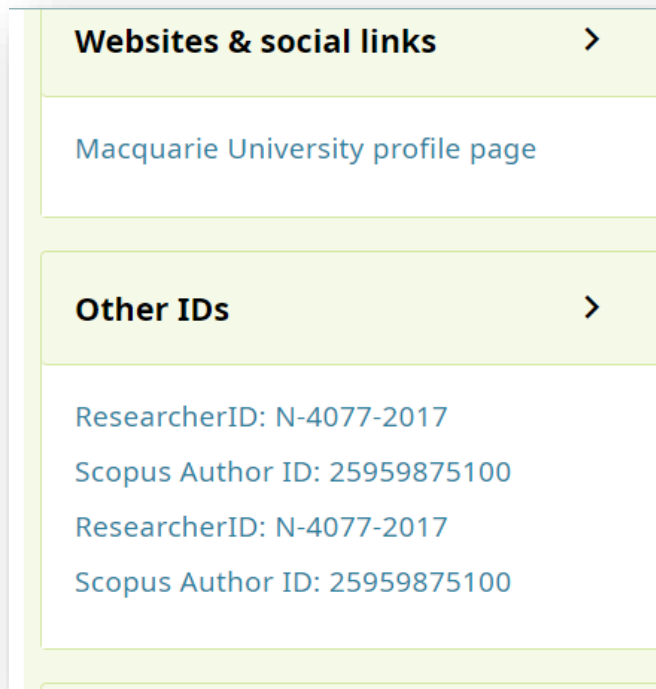
▼ Employment (1) Sort

Macquarie University: Sydney, New South Wales, AU

Employment	Show more detail
Source: Macquarie University	

Adding different Person Identifiers for your researchers

- Person identifiers are other identifiers that systems use to identify you, such as ResearcherID or Scopus Author ID.
- OROID works with various person identifiers.
- At ORCID, our mission is to focus on providing an identifier for individuals to use with their name as they engage in research, scholarship, and innovation activities.
- At ORCID, person identifiers can only be added by trusted organizations.




The screenshot displays a portion of an ORCID iD profile page. It features two main sections: 'Websites & social links' and 'Other IDs'. The 'Websites & social links' section contains a single entry: 'Macquarie University profile page'. The 'Other IDs' section lists four identifiers, which appear to be duplicates: 'ResearcherID: N-4077-2017' and 'Scopus Author ID: 25959875100' are listed twice. The interface uses a light green header for each section and a white background for the content area.

Websites & social links
Macquarie University profile page

Other IDs
ResearcherID: N-4077-2017
Scopus Author ID: 25959875100
ResearcherID: N-4077-2017
Scopus Author ID: 25959875100


Connecting Institutional Research Profiles

- Research Profiles



[https://orcid.org/
0000-0001-7849-191X](https://orcid.org/0000-0001-7849-191X)

Websites & social links >
[University of Bristol profile](#)





Dr Valeria Oliva
Honorary Research Fellow, School of Physiology, Pharmacology & Neuroscience
<https://orcid.org/0000-0001-7849-191X>


BS8 1TD


[View Scopus Profile](#)

[Overview](#) [Fingerprint](#) [Network](#) [Research Outputs \(6\)](#) [Thesis \(1\)](#) [Similar Profiles \(6\)](#)

 **Fingerprint**
Dive into the research topics where Valeria Oliva is active. These topic labels come from the works of this person. Together form a unique fingerprint.

 Analgesia
Medicine & Life Sciences

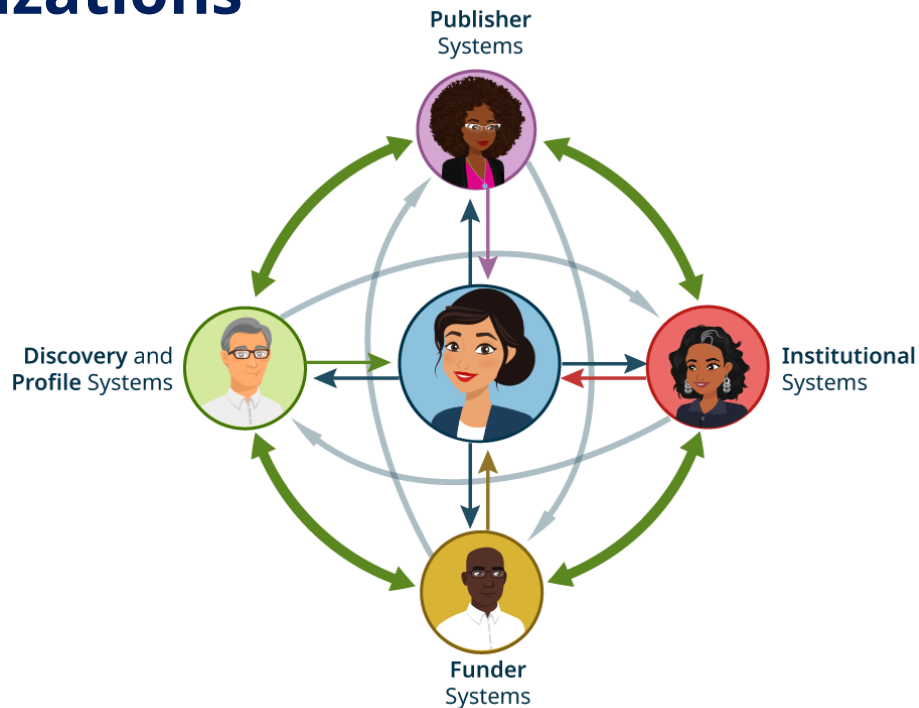
 Psychological Extinction
Medicine & Life Sciences

 Periaqueductal Gray
Medicine & Life Sciences

To Recap

Transparent and trustworthy connections benefit researchers as well as organizations

- **Increase the value to researchers** by helping them save time, reduce admin burden and achieve greater recognition
- **Improve research integrity** through use of validated data during any research workflow
- Help **lift the trustworthiness of Open Research** for everyone by contributing validated research information to a trusted open data source



Discussion and Feedback

How to find out more

Reach out to us for additional information:

1. **Contact Estelle Cheng** to learn more **about how engage with ORCID** (if you haven't) or **how to deepen your integration** (e.cheng@orcid.org)
2. **Further information can be found on ORCID's website:** <https://info.orcid.org/resources/>
3. **More detailed information about our workflows:** <https://info.orcid.org/documentation/workflows/>



Thank you!



Find out more at <https://orcid.org>

Register at <https://orcid.org/register>

Email - e.cheng@orcid.org

Skype - j493520@hotmail.com

Twitter @ChihEstelle



More Resources

All about ORCID

<https://orcid.org/about>

ORCID Membership

<https://info.orcid.org/membership/>

ORCID for Research Organizations

<https://info.orcid.org/orcid-for-research-organizations/>

Support Center: Start Connecting with ORCID API

<https://info.orcid.org/documentation/integration-guide/>

ORCID News and Events

<https://info.orcid.org/>

Appendix

Additional Information

ORCID's Values



- Collaborative
- Transparent
Persistent
- Diverse
Global

ORCID is strongly supported by each of its major stakeholder groups

User NPS



Member NPS



Publishers



Funders



Universities



NPS, or Net Promoter Score is a standard metric used to measure audience loyalty and satisfaction.

NPS scores range between -100 and +100. Scores above 0 are considered "good", those above +20 "favourable" and those above +50 "excellent"

Sources: ORCID Q1 2021 User Value Survey;
ORCID Member Value Survey, Feb 2021

Our main stakeholder groups have similar goals for ORCID membership



Source ORCID Q1 2021 Member Value Research; Based on unprompted top-of-mind responses from member value interviews

ORCID 2022 - 2025 Strategic Plan

Increasing Value to Members

We will be more **proactive in delivering value** to member research institutions, rather than **simply enabling and expecting** them to integrate with our API.

We will equip our members with **more compelling ways to encourage their researchers** to use ORCID.

We will work with **influential organizations** such as **Funders and Government Agencies** to encourage the use of ORCID.

Increasing Value to Researchers

We will **reduce the effort** that researchers need to invest in **completing and updating** their ORCID records with activities such as improving workflows and guiding users to the most appropriate services to connect with.

We will **incentivize researcher participation** in ORCID with initiatives like encouraging member organizations to update and re-use ORCID data save researchers time.

Increasing Global Participation

To encourage membership in **low and lower-middle income countries**, we will move towards a fee structure based on **equity**, adjusted according to regional affordability, while also supporting the development of local expertise and communities of practice.

We will develop **new partnership models** with national or regional organizations to **spearhead organizational membership growth** in their locations.

Upholding Trust and Integrity

We will take a more proactive approach to improving **data quality**.

In order to **fulfill expectations of the reliability of our infrastructure**, we will improve resiliency through means such as moving our hosting to the cloud and implementing a high-availability architecture.

To ensure ORCID's **long-term sustainability**, we will **bolster ORCID's reserves**.