Spotlight on ORCID®

Stanford-UCSF Open Science Reading Group
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Howdy

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Agenda for today

- Overview of ORCID and how ORCID iDs work
- Explore some examples iDs
- Go through a few examples of how organizations use ORCID
- Snapshot of ORCID API

What is ORCID?

- Stands for Open Researcher and Contributor ID
- ORCID is the name of the organization that provides the ORCID iD
- ORCID iD is a persistent digital identifier assigned to individual researchers
- 16-digits, e.g https://orcid.org/0000-0003-0346-4057
- Uses a reserved block of ISNIs - International Standard Name Identifier
  - Researchers, writers, inventors, performers, publishers, etc.
- ORCID iD registry began 2012, over 11M records

What are the benefits to researchers?

- Addresses the problem of name ambiguity in search and discovery
- Lets researchers track name changes and variations
- Displays affiliations, grants, publications, and more
- Allows researcher to control what information is shared
- Free and perpetual
- Connecting an iD with publishers and trusted organizations writes information and saves time and effort
- Helps you get credit for peer review activity and works you produce
  - PLOS, Springer Nature, protocols.io
- Helps you comply with funder and publisher requirements
  - NIH grant applications, ORCID open letter

How to get an iD and fill in the record

- Register at https://orcid.org/register
- Sign in at https://orcid.org/signin
  - your institution may have single sign-on set up (Stanford and UCSF do)
  - keep your individual login on record in case you leave the institution
- Add identifying info, affiliations, grants, and works manually, by identifier, or through trusted connections where possible
  - building and connecting your ORCID iD
  - add works and peer review
- ORCID Help
  - Stanford: https://laneguides.stanford.edu/ORCID
  - UCSF: https://orcid.ucsf.edu/
  - ORCID Support: https://support.orcid.org/hc/en-us

Let's look at a few records

Matema Imakumbili: https://orcid.org/0000-0003-0804-3622

Asar Khan: https://orcid.org/0000-0002-0813-2732

Niklaus Gruenwald: https://orcid.org/0000-0003-1656-7602

Robert Smith name-based search

Robert Smith at Glamorgan advanced search

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Hannibal lecter: https://orcid.org/0000-0003-0644-2603

What are the benefits to organizations?

- Publishers
- Scholarly communication databases
- Academic Institutions
- Funders

NIH SciENcv-ORCID integration

See Stanford Lane Library's guide: https://laneguides.stanford.edu/ORCID

Dryad login via ORCID account

ORCID iDs in bibliographic databases

Web of Science™   Search   Marked List   History   Alerts

> UC-eLinks   FULL TEXT AT PUBLISHER   FULL TEXT LINKS ⌄   EXPORT ⌄   AD

Varicella breakthrough infection and vaccine effectiveness in Taiwan

By: Huang, WC (Huang, Wen-Chan) ; Huang, LM (Huang, Li-Min) ; Chang, IS (Chang, I-Shou) [2, 3]; Tsai, FY (Tsai, Fang-Yu) [2, 3]; Chang, LY (Chang, Luan-Yin) [1]

Hide Web of Science ResearcherID and ORCID (provided by Clarivate)

Author	Web of Science ResearcherID	ORCID Number
Chang, I-Shou	D-2084-2010	
HUANG, LI-MIN		http://orcid.org/0000-0002-9291-260X
CHANG, LUAN-YIN		http://orcid.org/0000-0003-2632-1956

Inclusion/integration in profiling systems
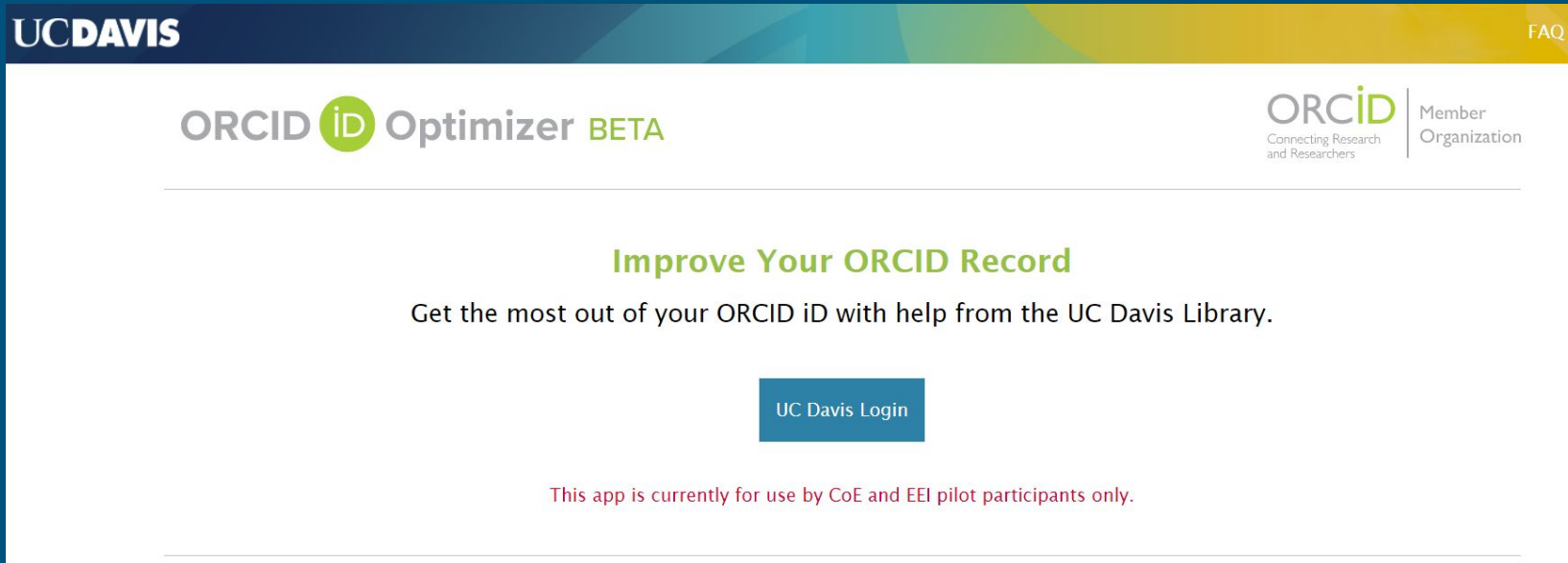
The institution as a 'trusted organization'

https://orcid.library.ucdavis.edu/login

ORCID integrations

ORCID API
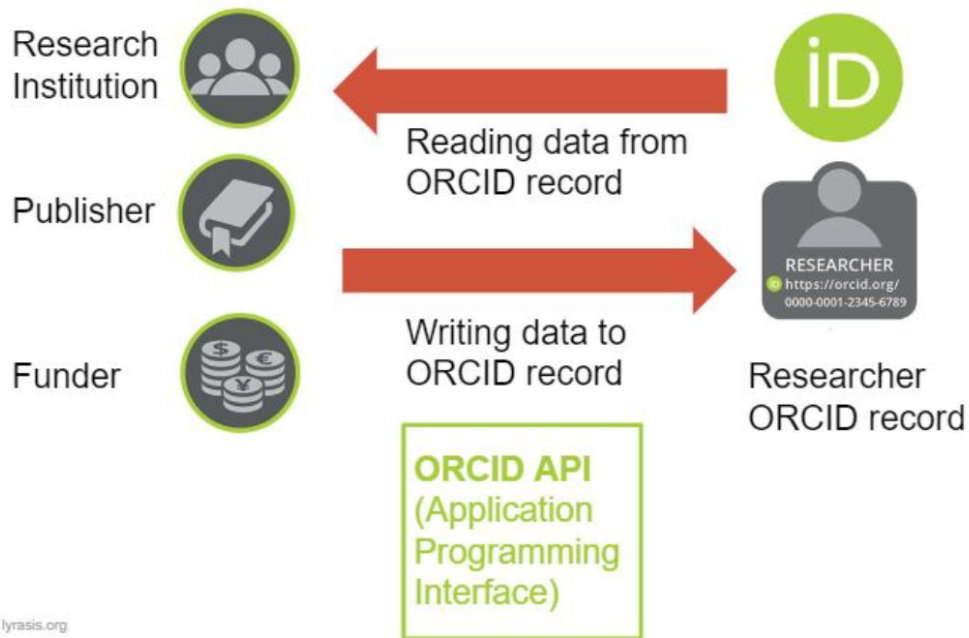
Research Institution

Publisher

Funder

Reading data from ORCID record

Writing data to ORCID record

ORCID API (Application Programming Interface)

RESEARCHER
https://orcid.org/
0000-0001-2345-6789

Researcher ORCID record

lyrasis.org

How does the ORCID API work?

- The basis of the ORCID API is OAuth 2.0, which enables authenticated connections between researchers' ORCID iD records and a system (see ORCID's OAuth workflow)
- Data is transferred between the ORCID registry and systems via XML or JSON
- ORCID is a RESTful API: HTTPS calls are required to communicate between the ORCID registry and a system (see tutorials)
- https://www.lyrasis.org/Leadership/Pages/orcid-us-api.aspx

Using R with ORCID iD data

- Creating a resume in RStudio using rorcid and ORCID API
  - Peace Ossom-Williamson (POW), Director for Research Data Services, The University of Texas Arlington
  - GitHub documentation
- R and ORCID workshop offered by POW at University of Cincinnati (the other UC)
- rorcid walkthrough from Clarke Iakovakis

Who runs ORCID, and how is it funded?

- Incorporated in Delaware in 2010 as a non-profit organization
- Governed by an international [Board of Directors](#)
  - Faculty, publishers, librarians, consortia, funders
- 35 international staff
- Funding relies on memberships
- Member organizations = 1238
- Annual fee range: $5150 - $25,750 (discounts for non-profits and start-ups)
- Membership through consortia - $4800 via Lyrasis

ORCID Founding Principles

1. ORCID will work to support the creation of a permanent, clear, and unambiguous record of research and scholarly communication by enabling reliable attribution of authors and contributors.
2. ORCID will transcend discipline, geographic, national, and institutional boundaries.
3. Participation in ORCID is open to any organization that has an interest in research and scholarly communications.
4. Access to ORCID services will be based on transparent and non-discriminatory terms posted on the ORCID website.
5. Researchers will be able to create, edit, and maintain an ORCID identifier and record free of charge.
6. Researchers will control the defined privacy settings of their own ORCID record data.
7. All data contributed to ORCID by researchers or claimed by them will be available in standard formats for free download (subject to the researchers' own privacy settings) that are updated once a year and released under a CC0 waiver.
8. All software developed by ORCID will be publicly released under an Open Source Software license approved by the Open Source Initiative. For the software it adopts, ORCID will prefer Open Source.
9. ORCID identifiers and record data (subject to privacy settings) will be made available via a combination of no-charge and for-a-fee APIs and services. Any fees will be set to ensure the sustainability of ORCID as a not-for-profit, charitable organization focused on the long-term persistence of the ORCID system.
10. ORCID will be governed by representatives from a broad cross-section of stakeholders, the majority of whom are not-for-profit, and will strive for maximal transparency by publicly posting summaries of all Board meetings and annual financial reports.

2025 Vision

ORCID is driven by a vision of a world where all who participate in research, scholarship, and innovation are uniquely identified and connected to their contributions across disciplines, borders, and time. We invite you to look over our 2025 Vision, in which we focus on how we provide value to researchers and the research and innovation ecosystem.

Four core strategies

ORCID is centered on four core strategies. These guide our decisions and help us prioritize our actions as we work with the community to achieve our vision.

RESEARCHER
Position the researcher at the center of all that we do

INFRASTRUCTURE
Invest in developing a robust information infrastructure

TRUSTED ASSERTIONS
Enable a wide range of verified iD-ID connections

STRATEGIC RELATIONSHIPS
Develop sustainability through strategic relationships

https://info.orcid.org/2020-2025-strategic-plans

For discussion

1. Is your ORCID iD filled in?
2. Have you allowed trusted partners such as a publisher or bibliographic service like ResearcherID to write information to your record?
3. What has worked well (or not so well) for helping you complete your record?
4. Have you worked with R or another program to use ORCID data?

Thanks!

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