



Connecting Research
and Researchers

Persistent Identifiers in the Authoring Process

KAMJE Seminar, Seoul, 31 October 2014

Laurel L. Haak, PhD
Executive Director, ORCID

L.Haak@orcid.org

<http://orcid.org/0000-0001-5109-3700>

Publishing a research paper



...where do identifiers fit in?

ORCID iD?

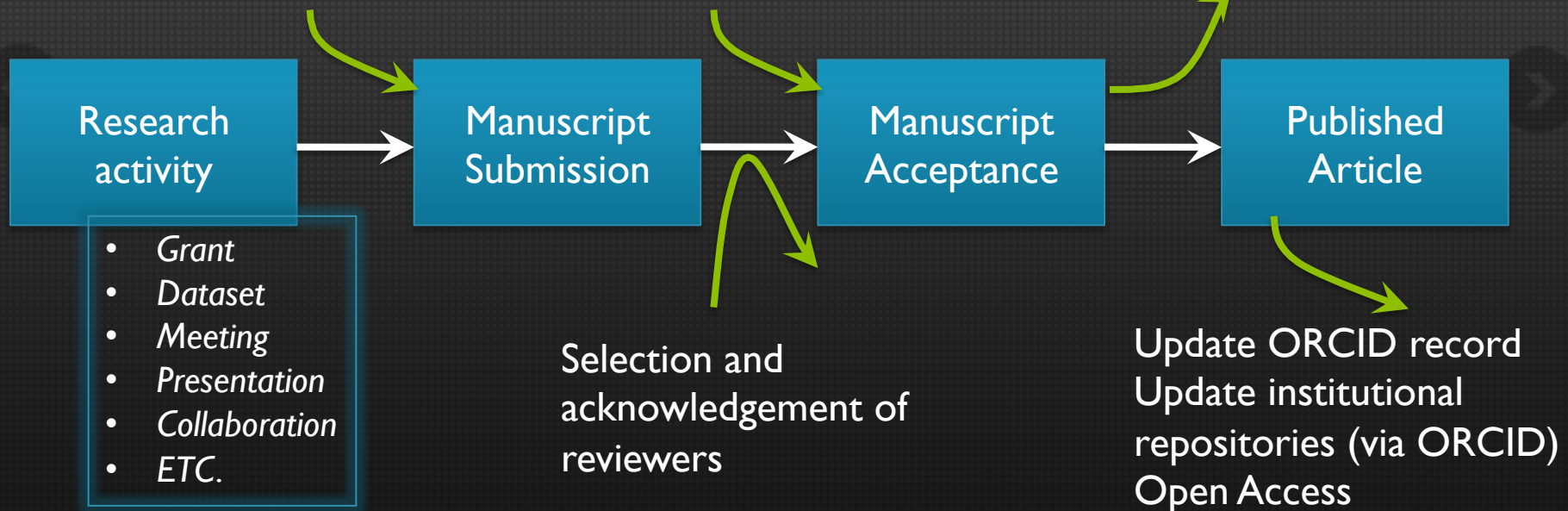
Contributor type?

Dataset?

Organization iD?

Funder ID?

Grant ID?



What do IDs do, exactly?

- ① Enable machine readability
- ② Disambiguate and enforce uniqueness
- ③ Enable linking and data integration

Persistent identifiers provide a
simple basis for digital data governance

Digital scholarly communications requires
information that is machine readable

Name ambiguity is a problem

- Different versions (full name vs. initials)
- Shared names
- Transliteration



Ted Hart @DistribEcology

31s

An easy case for just using an ORCID as my name is T. Hart, E. Hart and E. M. Hart on publications I've discovered.

Statistically, China and Korea have the least variation of family names in the world. In the case of Korea, 45% of its nationals have the family name “Kim”, “Lee”, or “Park”.

Name ambiguity is a problem

- Accents and other ALT characters
- Name changes
- Multiple family names

@ **Julle van der Hoop** mentioned you



Julle van der Hoop @jvanderhoop 3h

Ok @carlystrasser, you convinced me:
"get an @ORCID_Org if your last name
is spelled weird." #dutchproblems

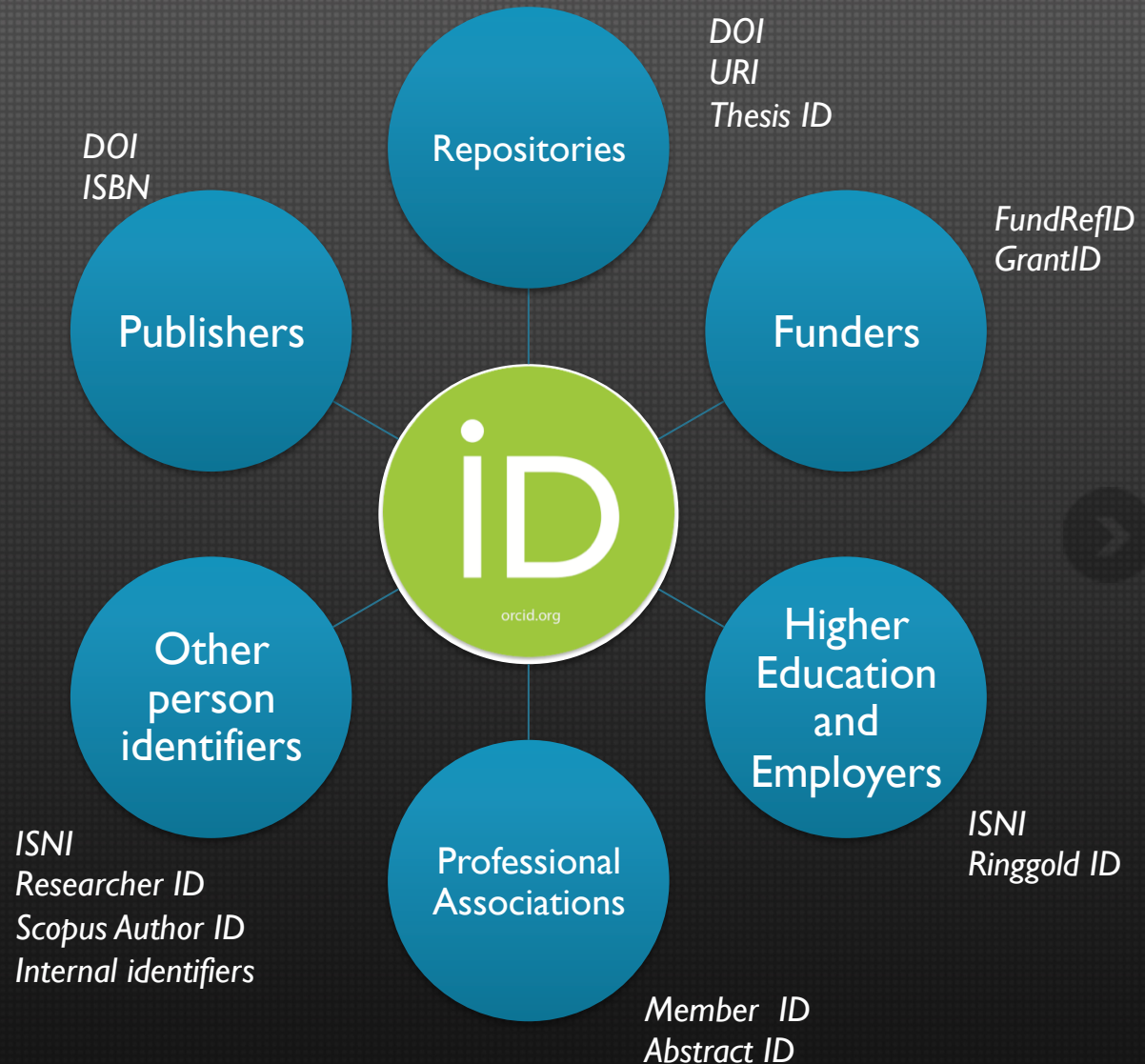


Julle Banfield @42jkb 2h

I've started my @ORCID_Org ID. My
publications are in different names so
this is a perfect solution. Well done
and thanks!

ORCID enables machine-readable connections between:

- works
- researchers
- organizations
- other IDs



- Free, non-proprietary registry of persistent unique public identifiers for researchers
- Community-led initiative supported by member fees
- Open data and software

Laurel L Haak**ID** <http://orcid.org/0000-0001-5109-3700>**Also known as:**

L. L. Haak
L Haak
Laure Haak
Laurela L Häka

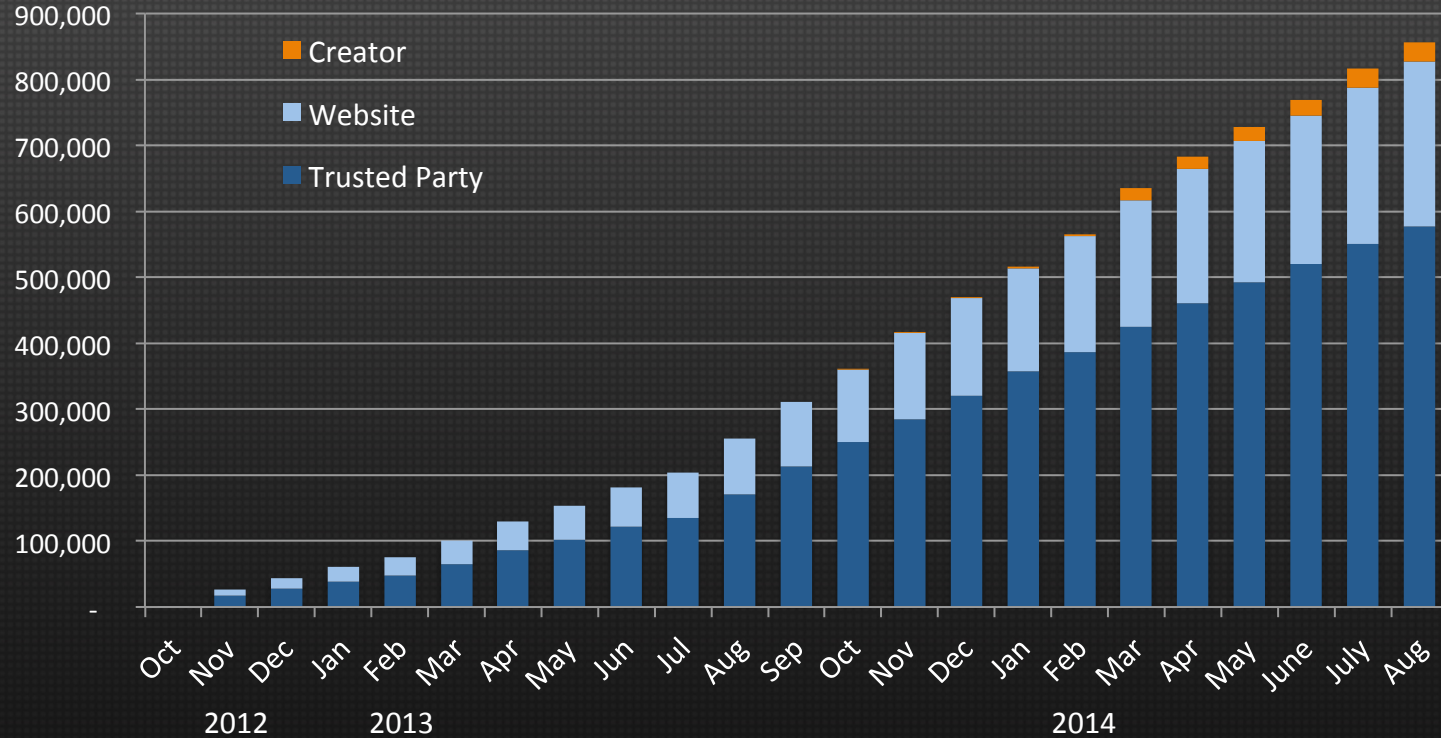
Country: United States**Keywords:** persistent identifiers, research policy, science workforce, program evaluation, neuroscience, calcium imaging, oligodendrocytes, circadian rhythms**Websites:**[LinkedIn](#)**Other IDs:**

ISNI: 0000000138352317

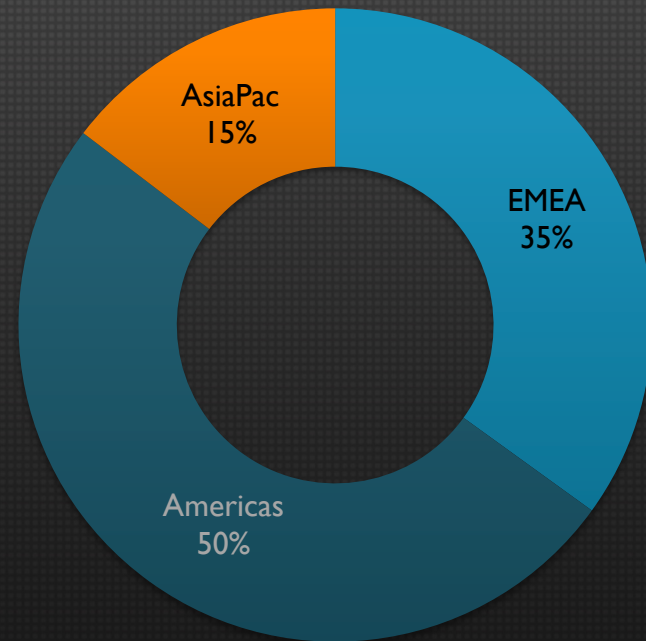
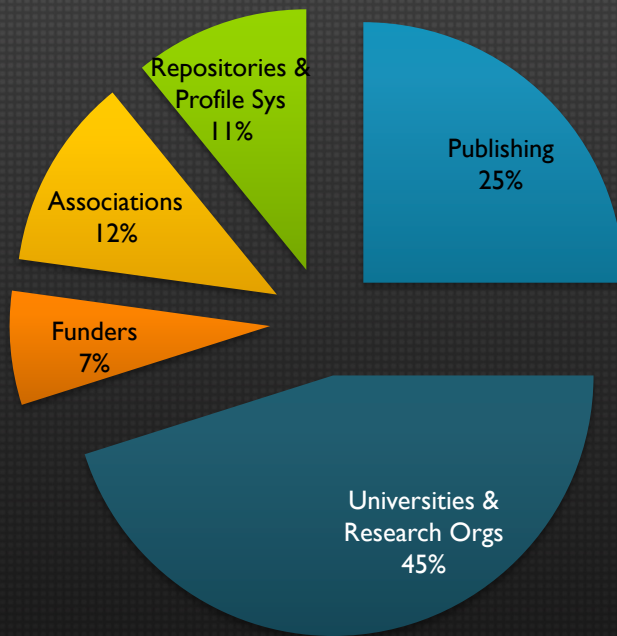
ResearcherID: C-4986-2008

Scopus Author ID: 6602258586

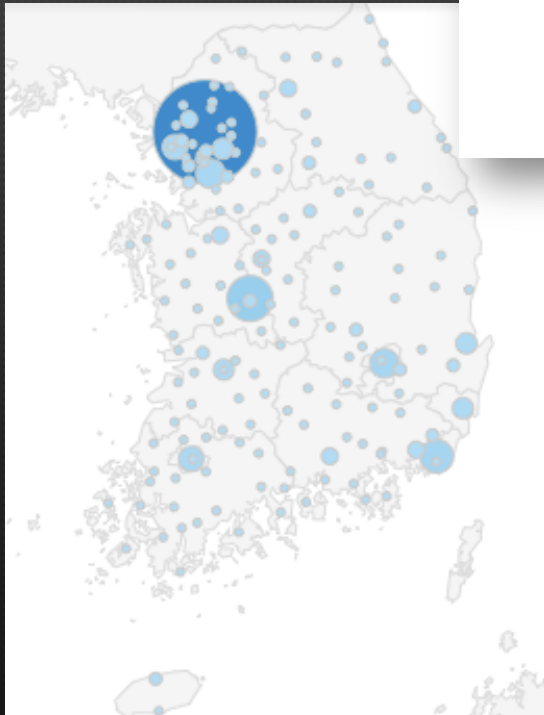
ORCID is on track to reach 1 million issued iDs in October 2014.



Over 160 members, from every region
and sector of the international research
community



ORCID는 개별 연구자를 다른 모든 연구자들로부터 구별하는 영구적인 디지털 식별자를 제공하며, 이를 원고 제출 및 연구비 신청 등과 같은 핵심 연구 워크플로우에 통합함으로써 연구자와 전문 분야를 자동으로 연결시켜 연구자의 성과가 인정받을 수 있도록 해줍니다. 자세히 알아보기.




ORCID Website is available with
Korean user interface




Korea is in top 20 countries, by
ORCID Registry usage

Top 5 cities: Seoul, Daejeon, Busan,
Daegu, Suwon-si.

Journals are asking authors for their ORCID iD at time of manuscript submission.

Member name 

has asked for the following access to your ORCID Record

- Update your publications list
- Add a publication to your publications list
- Read limited info from your ORCID Record

Allow this permission until I revoke it.
(You may revoke permissions on your account settings page.
Unchecking this box will grant permission this time only.)

This application will not be able to see your ORCID password, or other private info in your ORCID Record. [Privacy Policy](#).

Deny

The authenticated iD becomes a part of the paper

The author can pre-populate form fields: preferred name, affiliation, funding

Upon publication, the iD is indexed by CrossRef, Scopus, Web of Science, and other services.

Information flows to ORCID and linked platforms

Identifiers are being embedded in articles

open
Biology

rsob.royalsocietypublishing.org

Research



Cite this article: Macqueen DJ, Wilcox AH.
2014 Characterization of the definitive classical
calpain family of vertebrates using phyloge-
netic, evolutionary and expression analyses.
Open Biol. 4: 130219.

<http://dx.doi.org/10.1098/rsob.130219>

Characterization of the definitive
classical calpain family of
vertebrates using phylogenetic,
evolutionary and expression
analyses

Daniel J. Macqueen and Alexander H. Wilcox

Institute of Biological and Environmental Sciences, University of Aberdeen, Tillydrone
Avenue, Aberdeen AB24 2TZ, UK

 DM, 0000-0001-8050-7722

DOI

ORCID

Synapse Services
Journal Browser
Advanced Search

About Synapse
Overview
Help
Disclaimer



KoreaMed

KoMCI Korean Medical Citation Index

Korean Medical Journal Information

KAMJE KOREAN ASSOCIATION OF MEDICAL JOURNAL EDITORS

WORLDWIDESCIENCE.ORG The Global Science Gateway

ORCID Open Researcher and Contributor ID

CrossRef MEMBER WHO'S FIRST, WHO'S LAST, WHO'S CITING BACK? THE CITATION LINKING BACKBONE

CrossMark click for updates

fundref

CITEDBY

CrossCheck Powered by iThenticate

Journal List > J Korean Med Sci > v.29(2); Feb 2014

Special Article

Open Access

ABSTRACT | ARTICLE | PUBREADER | PDF | FIGURES+TABLES | REFERENCES

J Korean Med Sci. 2014 Feb;29(2):164-174. English.
Published online Jan 28, 2014. <http://dx.doi.org/10.3346/jkms.2014.29.2.164>

© 2014 The Korean Academy of Medical Sciences

Prevention of Venous Thromboembolism, 2nd Edition: Korean Society of Thrombosis and Hemostasis Evidence-Based Clinical Practice Guidelines

Soo-Mee Bang,^{1,*} Moon Ju Jang,^{2,*} Kyoung Ha Kim,³ Ho-Young Yhim,⁴ Yeo-Kyeong Kim,⁵ Seung-Hyun Nam,⁶ Hun Gyu Hwang,⁷ Sung Hwa Bae,⁸ Sung-Hyun Kim,⁹ Yeung-Chul Mun,¹⁰ Yang-Ki Kim,¹¹ Inho Kim,¹¹ Won-Il Choi,¹² Chul Won Jung,¹³ Nan Hee Park,¹⁴ Nam-Kyong Choi,¹⁴ Byung-Joo Park,¹⁵ and Doyeun Oh¹⁵

¹Department of Internal Medicine, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Korea.

²Department of Internal Medicine, School of Medicine, CHA University, Seongnam, Korea.

³Department of Internal Medicine, Soonchunhyang University College of Medicine, Seoul, Korea.

⁴Department of Internal Medicine, Chonbuk National University Medical School, Jeonju, Korea.

⁵Department of Internal Medicine, Chonnam National University Medical School, Gwangju, Korea.

⁶Department of Internal Medicine, VHS Medical Center, Seoul, Korea.

⁷Department of Internal Medicine, Soonchunhyang University College of Medicine, Gumi, Korea.

⁸Department of Internal Medicine, Catholic University of Daegu School of Medicine, Daegu, Korea.

⁹Department of Internal Medicine, Dong-A University College of Medicine, Busan, Korea.

¹⁰Department of Internal Medicine, Ewha Womans University School of Medicine, Seoul, Korea.

¹¹Department of Internal Medicine, Seoul National University College of Medicine, Seoul National University Hospital, Seoul, Korea.

¹²Department of Internal Medicine, Dongsan Hospital, Keimyung University School of Medicine, Daegu, Korea.

¹³Department of Internal Medicine, Sungkyunkwan University school of medicine, Samsung Medical Center, Seoul, Korea.

¹⁴Medical Research Collaborating Center, Seoul National University Hospital, Seoul, Korea.

¹⁵Department of Preventive Medicine, Seoul National University College of Medicine, Seoul, Korea.

* Address for Correspondence: Doyeun Oh, MD, Department of Internal Medicine, School of Medicine, CHA University, 59 Yatap-ro, Bundang-gu, Seongnam 463-712, Korea. Tel: +82.31-780-5217, Fax: +82.31-780-5208, Email: doh@cha.ac.kr

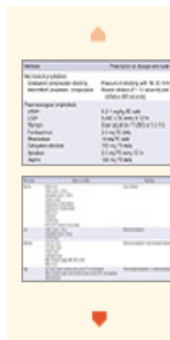
*Soo-Mee Bang and Moon Ju Jang contributed equally to this work.



Formats:

- Abstract
- Article
- PubReader
- PDF
- Figures + Tables
- References

Tables:



Show all...

Links to:

- the Journal
- KoreaMed
- KoMCI
- MEDLINE/PubMed
- PubMed Central

Export:

- Download Citation
- E-mail
- Twitter
- Facebook

ORCID:

Soo-Mee Bang
<http://orcid.org/0000-0002-0938-3007>

Moon Ju Jang
<http://orcid.org/0000-0001-7440-7573>

Kyoung Ha Kim
<http://orcid.org/0000-0001-8842-4761>

Ho-Young Yhim
<http://orcid.org/0000-0002-1252-5336>

Yeo-Kyeong Kim
<http://orcid.org/0000-0001-5447-4285>

Seung-Hyun Nam
<http://orcid.org/0000-0002-5736-2606>

Hun Gyu Hwang
<http://orcid.org/0000-0001-9304-7219>

Sung Hwa Bae
<http://orcid.org/0000-0002-5279-6341>

Sung-Hyun Kim
<http://orcid.org/0000-0002-5051-2413>

Yeung-Chul Mun
<http://orcid.org/0000-0002-1882-3983>

Yang-Ki Kim
<http://orcid.org/0000-0003-4221-6689>

Inho Kim
<http://orcid.org/0000-0002-3135-6312>

Won-Il Choi
<http://orcid.org/0000-0001-7705-0098>

Chul Won Jung
<http://orcid.org/0000-0002-5474-6807>

Nam-Kyong Choi
<http://orcid.org/0000-0003-1153-9928>

Doyeun Oh
<http://orcid.org/0000-0002-6981-3144>

ret Funding:

Korean Ministry of Health and Welfare
NSCR-2012-A102

- Over 130,000 articles have been submitted to CrossRef with an associated ORCID iD
- These will start to flow into the ORCID registry before the end of the year
- ***Researchers who use their ORCID iD when they publish will not need to manually update their record***

Publishers can make using an identifier easy for researchers by:

- Collecting identifiers during submission and review (using authenticated login, not typing!) AND autofilling forms
- Publishing identifiers in reviews, meetings, and manuscripts
- Updating author and reviewer ORCID records

We all have questions:

- ❖ How can we reliably connect researchers to their contributions?
- ❖ Can we expand our view of what is considered a contribution?
- ❖ How do we track research activities across a careers? Databases? Organizations?
- ❖ How can we measure the impact of our training program? Funding program? Department? Project?

The entire research community is engaging with ORCID

- **Publishers**
- **Research Funders**
- **Professional Associations**
- **Universities and Research Organizations**
- **Repositories and Research Information Systems**
- **Research Metrics Providers**

For a list of organizations and integrations see
<http://orcid.org/organizations/integrators>

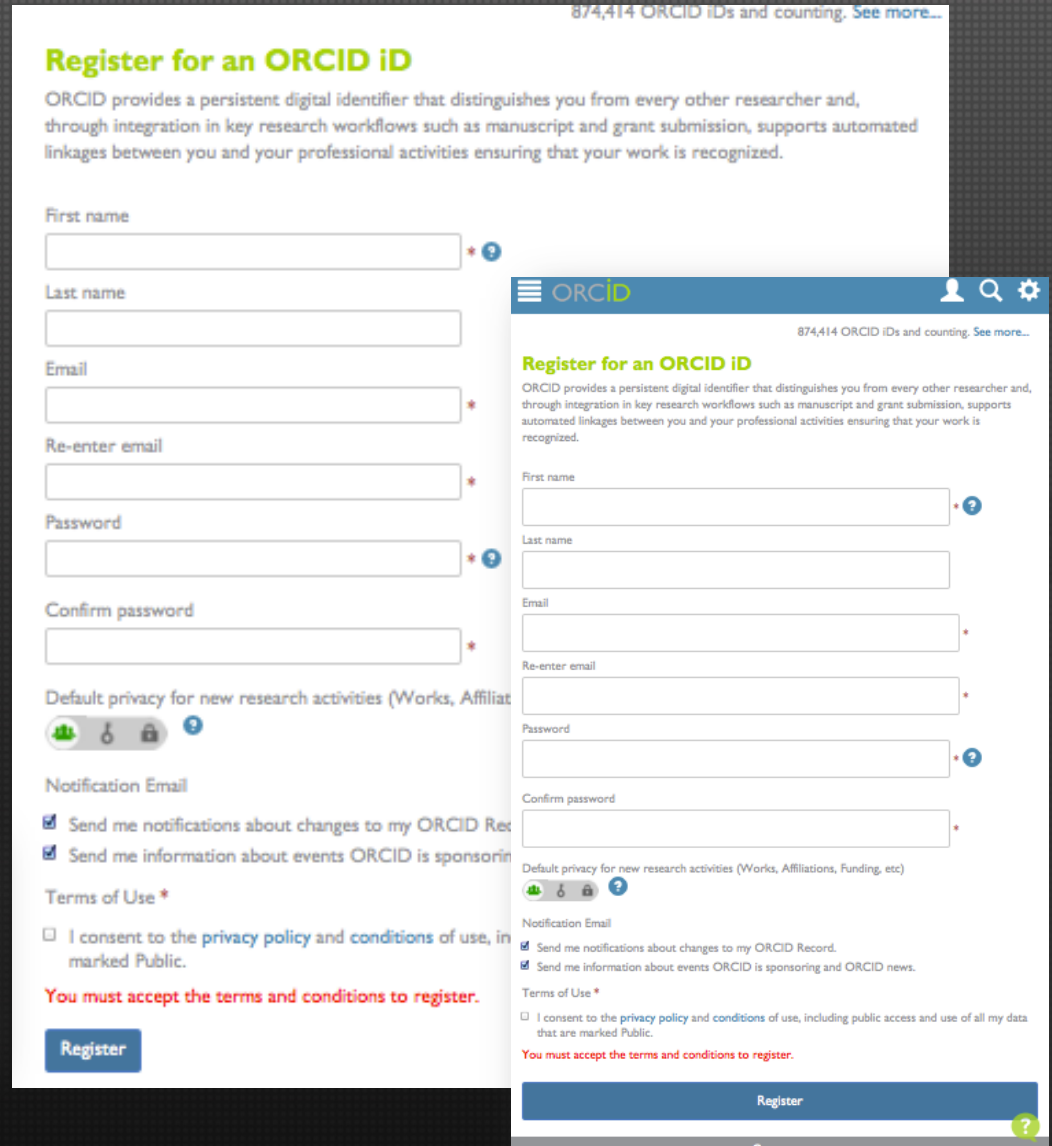
Integrators

- ① **Integrate data fields** for persistent identifiers for people, places, and things into your systems
- ② **Collect** persistent identifiers during transactions (using authenticated login, not typing!) AND use APIs to help autofill forms
- ③ **Incorporate** identifiers into published metadata

Researchers

- ① **Register** for an ORCID iD
- ② **Use it** when submitting papers, applying for grants, depositing datasets, etc.

- Take 30 seconds to register at <http://orcid.org/register>
- Free to researchers
- Individual owns the record and controls privacy settings
- Works on laptops, tablets, and phones
- Available in multiple languages



874,414 ORCID IDs and counting. [See more...](#)

Register for an ORCID iD

ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized.

First name

Last name

Email

Re-enter email

Password

Confirm password

Default privacy for new research activities (Works, Affiliations, etc.) Public Limited Private

Notification Email

Send me notifications about changes to my ORCID Record.

Send me information about events ORCID is sponsoring and ORCID news.

Terms of Use *

I consent to the [privacy policy](#) and [conditions of use](#), including public access and use of all my data that are marked Public.

You must accept the terms and conditions to register.

874,414 ORCID IDs and counting. [See more...](#)

Register for an ORCID iD

ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized.

First name

Last name

Email

Re-enter email

Password

Confirm password

Default privacy for new research activities (Works, Affiliations, Funding, etc.) Public Limited Private

Notification Email

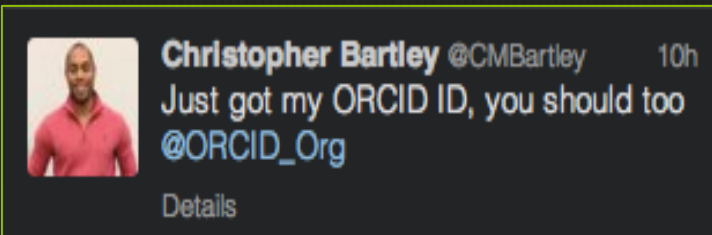
Send me notifications about changes to my ORCID Record.

Send me information about events ORCID is sponsoring and ORCID news.

Terms of Use *

I consent to the [privacy policy](#) and [conditions of use](#), including public access and use of all my data that are marked Public.

You must accept the terms and conditions to register.



ORCID

Distinguish yourself and
your research



Graphic: Erin Morris

Use free tools to connect your ORCID iD to your name variations, affiliations, and your existing works and funding

Laurel L Haak

<http://orcid.org/0000-0001-5109-3700>

Also known as:

L. L. Haak

L Haak

Laure Haak

Laurela L Hāka

Save changes **Cancel**

ADD EDUCATION

Institution

Korea Advanced Institute of Science and Technology
Daejeon, Daejeon, academic

Korea University
Seongbuk-gu, Seoul, academic

Catholic University of Korea School of Medicine
Seoul, Seoul, academic/medsch

Catholic University of Korea
Seoul, academic

Korea Institute of Science and Technology

ADD EMPLOYMENT

LINK FUNDING

LINK WORKS

저작물 반입

X

ORCID는 많은 회원기관들과 협력하여 귀하의 ORCID iD를 그 기관들이 보유한 레코드와 연결하여 정보를 반입하기 쉽게 작업해왔습니다.

Airiti

Enables user to import metadata from Airiti, including journal papers, proceedings, dissertations and books. Scholars can easily collect and calculate all the research works that have been published. 研究者可匯入華藝所收錄的學術資源，包括兩岸三地的期刊論文、學位論文、會議論文集等內容，迅速蒐羅學術生涯中所有的書寫姓名及完整作品，讓研究活動及成果獲得正確地引用，且更快地梳理並展現個人的研究影響力，將華文地區優秀學者及高品質研究推廣至國際。

Australian National Data Service (ANDS) Registry

Import your research datasets into ORCID from Australian National Data Service (ANDS) and Research Data Australia (RDA). ANDS is partnering with Australian research institutions and data producing agencies to improve discovery and reusability of research data across many research domains from earth science to

CrossRef Metadata Search

Search CrossRef's comprehensive metadata for journal articles, monographs, and other works. Easily add search results to your ORCID profile.

DataCite search and link

Search the DataCite Metadata Register (DMR) for other works. Then claim them by adding them to your ORCID profile.

Europe PubMed Central

Europe PubMed Central (Europe PMC) offers this tool to enable you to link anything in Europe PMC to your ORCID. Europe PMC is a free full-text archive of biomedical and health sciences research articles that cannot be found in PubMed, 4 million PubMed articles, and 10 million articles with PMC in the USA.

ISNI2ORCID search and link

Enables user to search the ISNI database and link your ORCID profile as an external identifier.

ResearcherID

ResearcherID is a global, multi-disciplinary scholarly research community where members can register for unique identifier, build a profile of their scholarly works, view citation metrics, and search for like-minded researchers.

Scopus to ORCID

Import your Identifier, profile and publications. The wizard helps you find the correct Scopus profile and to confirm your publications. You can then import the identifier and list of publications into ORCID. Any changes you make will be submitted to the Feedback team to update your Scopus profile.

찾고자하시는 것이 안보입니까? 귀하의 ORCID iD를 많은 기관과 사이트에 연결할 수 있습니다. 회원 통합 페이지 보다 많은 연결점을 찾으십시오.

Link to existing works

저작물

저작물 반입

수동으로 저작물 추가

Researchers can connect to existing works and push ORCID iD into indexes including Web of Science, Scopus, and Europe PubMedCentral

Connect your ORCID iD to existing works by using tools in ORCID interface or in external platforms

Modern Language Association **MLA** ORCID Application

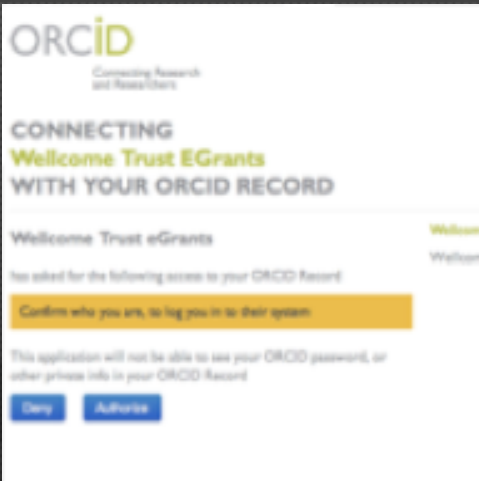
Search Result for: Neil Balavram, Hugo Achugar

Year	Publisher	Publication	Action
1990 (5)	Ed. del Norte/City Univ.	Primeros apuntes para una historia de la crítica uruguaya Lbl Pub1, 1990 Author: Hugo Achugar	✓ Added to ORCID
		Postmodernity and fin de siècle In Uruguay Lbl Pub2, 1990 Author: Hugo Achugar, Jean Franco	✓ Added to ORCID
		Vanguardia y batllismo: El Intelectual y el estado Lbl Pub3, 1990 Author: Hugo Achugar	✓ Added to ORCID
		Literatura/literaturas y la nueva producción literaria latinoamericana Lbl Pub4, 1990 Author: Hugo Achugar	Add to ORCID
		Notas sobre el discurso testimonial latinoamericano Ed. del Norte/City Univ. of New York, 1990 Author: Hugo Achugar	✓ Added to ORCID

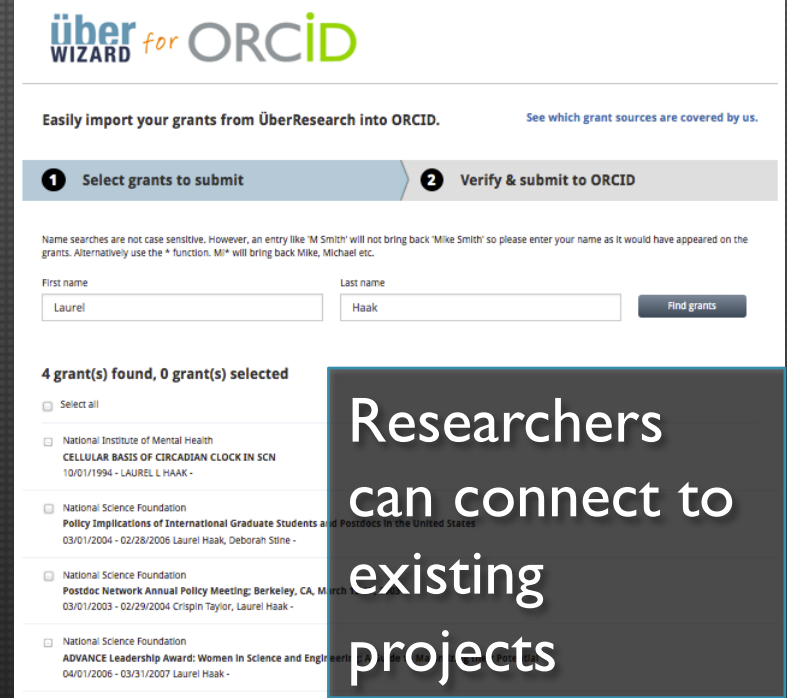
Only the first 20 results are shown Refine your search or filter the results using the menu at left

Link to awarded projects

연구비 자금 지원 링크 자금 지원 수동 추가



Funders can embed ORCID during the grant application workflow



Researchers can connect to existing projects

CELLULAR BASIS OF CIRCADIAN CLOCK IN SCN: National Institute of Mental Health

1994-10 to present

GRANT_NUMBER: 5F31MH010500-03, GRANT_NUMBER: 5F31MH010500-03

Source: ÜberWizard for ORCID

ORCID record includes, funder name, grant number, source, other provenance

▼ 학력 수동으로 학력 추가

▼ 직장 수동으로 직장경력 추가

학력 추가

기관

Seoul National University *

Seoul National University

Gwanak-gu, Seoul, academic

**Seoul National University College of
Medicine**

Seoul, academic/medsch

Seoul National University Hospital

Jongno-gu, Seoul, academic/hospital

**Seoul National University Bundang
Hospital**

Seongnam, academic/hospital

**Seoul National University School of
Dentistry**

과

과 추가

학위/직책

시작일

년

월

일

종료일 (현재의 경우 공백)

년

월

일

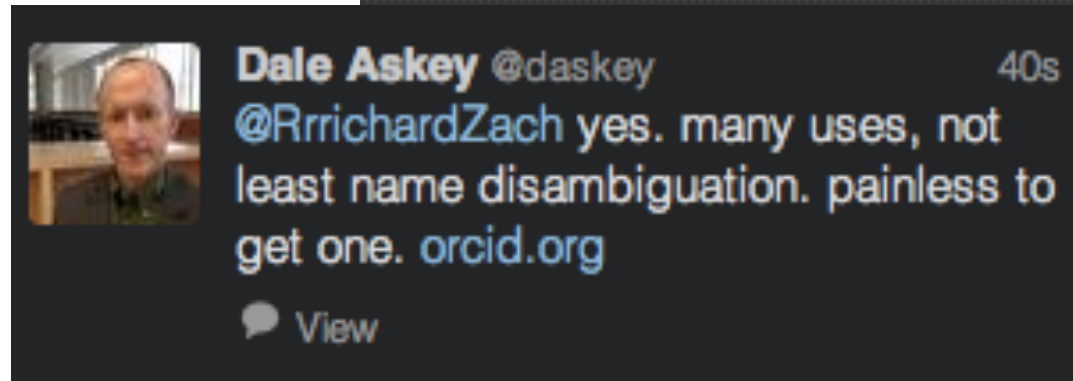
목록에 추가

취소

- List autopopulates based on type-ahead
- All organizations have unique iD
- University or employer can pre-populate and validate association
- Can associate with multiple organizations



Twitter post by **Jo McEntyre** (@jomcentyre). The tweet text is "Time for coffee! @ORCID_Org pic.twitter.com/RKDGliUaaB". Below the text are interaction icons for Reply, Retweeted, Favorited, and More. A "Follow" button is visible in the top right corner of the tweet.



Twitter reply by **Dale Askey** (@daskey) to @RrrichardZach, posted 40s ago. The text says: "@RrrichardZach yes. many uses, not least name disambiguation. painless to get one. orcid.org". A "View" button is visible below the text.