



Connecting Research
and Researchers

Persistent Identifiers in the Authoring Process

COPE Seminar, Philadelphia, 13 August 2014

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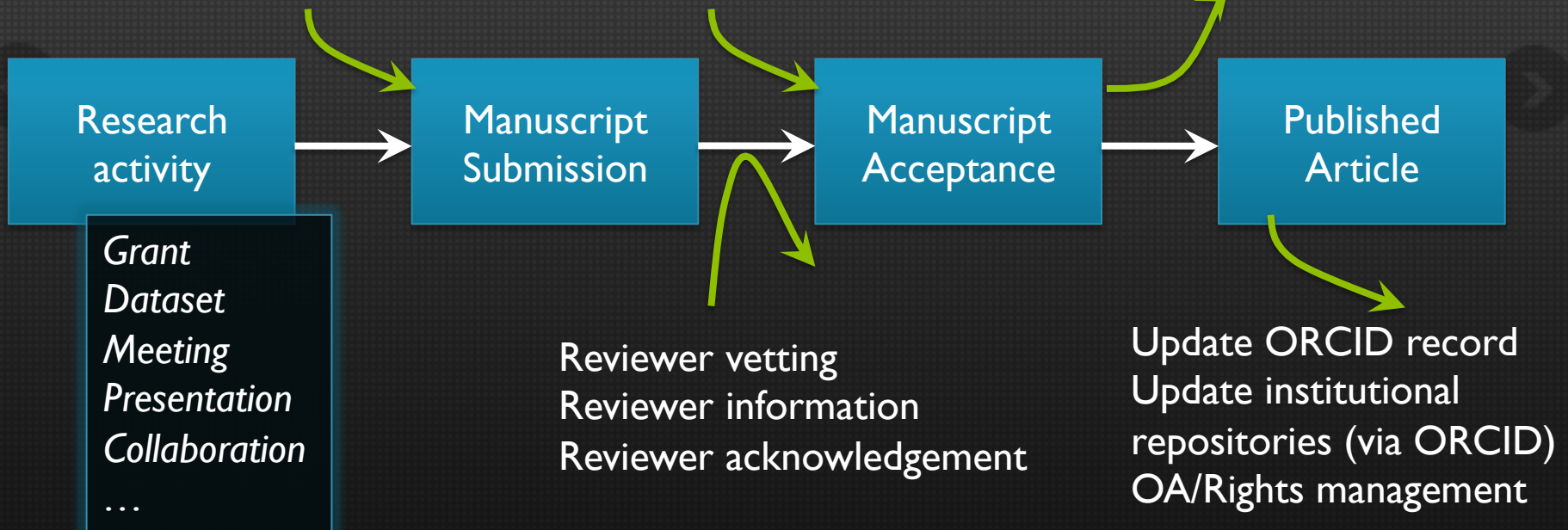


...where do identifiers fit in?

Contributor type?
ORCID iD?
Dataset?
Organization ID?
Funder ID?
Grant ID?
Sample ID?
Resource ID?

Co-Author information

Article metadata
submitted to CrossRef
(including all identifiers)



What are standard identifiers?

- Numeric or alpha-numeric **persistent** designations associated with a single entity
- Entities can be an **institution, person**, or piece of **content**

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OPEN ACCESS
PERSPECTIVE

Home Blood Pressure Monitoring: New Evidence for an Expanded Role

Mark Caulfield

Published: January 21, 2014 • DOI: 10.1371/journal.pmed.1001592

Toshihiro Tanaka

iD <http://orcid.org/0000-0001-6201-9784>

Other IDs:
Scopus Author ID: 55531687900



ISNI: 0000 0000 9203 8970

Name: Saint Martin's Press (For Profit Corporation)
St. Martin's Press

Creation class: Language material

Creation role: originator



Product Details

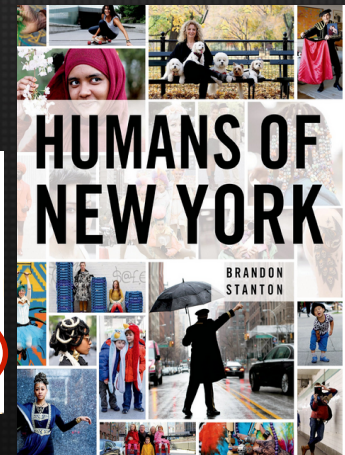
Hardcover: 304 pages

Publisher: St. Martin's Press;

Language: English

ISBN-10: 1250038820

ISBN-13: 978-1250038821



What do IDs do, exactly?

1

Disambiguate and enforce uniqueness

2

Enable linking and data integration

In other words, persistent identifiers provide a
simple basis for data governance

Name Ambiguity Is a Problem

Of the more than 6 million authors in a major journal citations and abstracts database, more than two-thirds of them share a last name and single initial with another author, and an ambiguous name in the same database refers on average to eight people.

http://ands.org.au/newsletters/share_issue18.pdf



Declan Fleming @declan 7h
YOU try googling for an old friend from 30 yrs ago named "Dave Jackson"... We need ORCID IDs for EVERYONE! ;)
Details



Julie 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!
Details

- J. Å. S. Sørensen
- J.Aa. S. Sørensen
- J. Åge S. Sørensen
- J.Aage S. Sørensen
- J. Åge Smærup Sørensen
- J.Aage Smaerup Sørensen



Sumit Gupta @drsumitgupta 41d
If you have a name that is not that uncommon like me and pubmed search returns with 10092 results - ORCID is for you! #ORCID #publications

@ **Julie van der Hoop** mentioned you
Julie van der Hoop @jvanderhoop 3h
Ok @carlystrasser, you convinced me: "get an @ORCID_Org if your last name is spelled weird." #dutchproblems

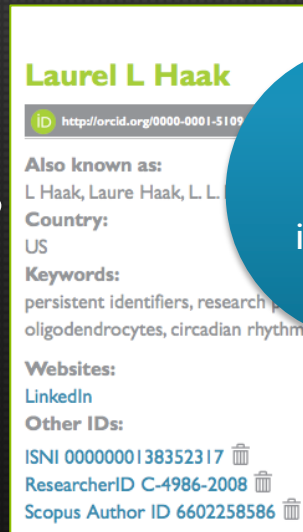
Guess what? There are ambiguity issues
with content and organizations, too.

Wellcome Trust OA Study

“No naming authority was imposed on the file, so entities have a variety of names. For instance, the American Chemical Society is referred to in a number of ways — ACS, ACS Publications, American Chemical Society, and The American Chemical Society, among others. PLOS ONE is listed in a similar variety of ways, as are most of the publishers and journals with multiple entries.....By allowing authors to freestyle the name of the payee, we are creating a very loose data source for analysis.”

<http://scholarlykitchen.sspnet.org/2014/03/21/wellcome-money-in-this-example-of-open-access-funding-the-matthew-effect-dominates/>

ORCID APIs enable exchange between research data systems to enable connections between researchers, their works (papers, grants, datasets, and more), organizations, and other identifiers






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id <http://orcid.org/0000-0001-5109-1000>

Also known as:
L Haak, Laure Haak, L. L.

Country:
US

Keywords:
persistent identifiers, research
oligodendrocytes, circadian rhythms

Websites:
[LinkedIn](#)

Other IDs:
ISNI 0000000138352317 
ResearcherID C-4986-2008 
Scopus Author ID 6602258586 

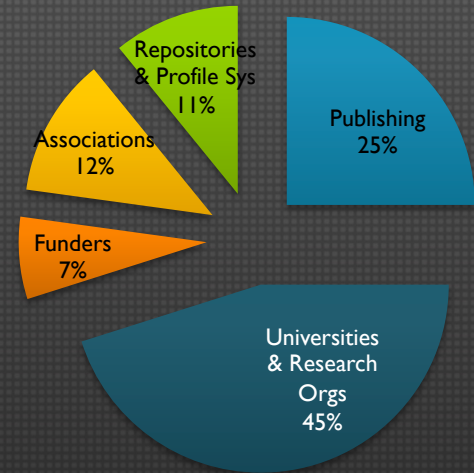
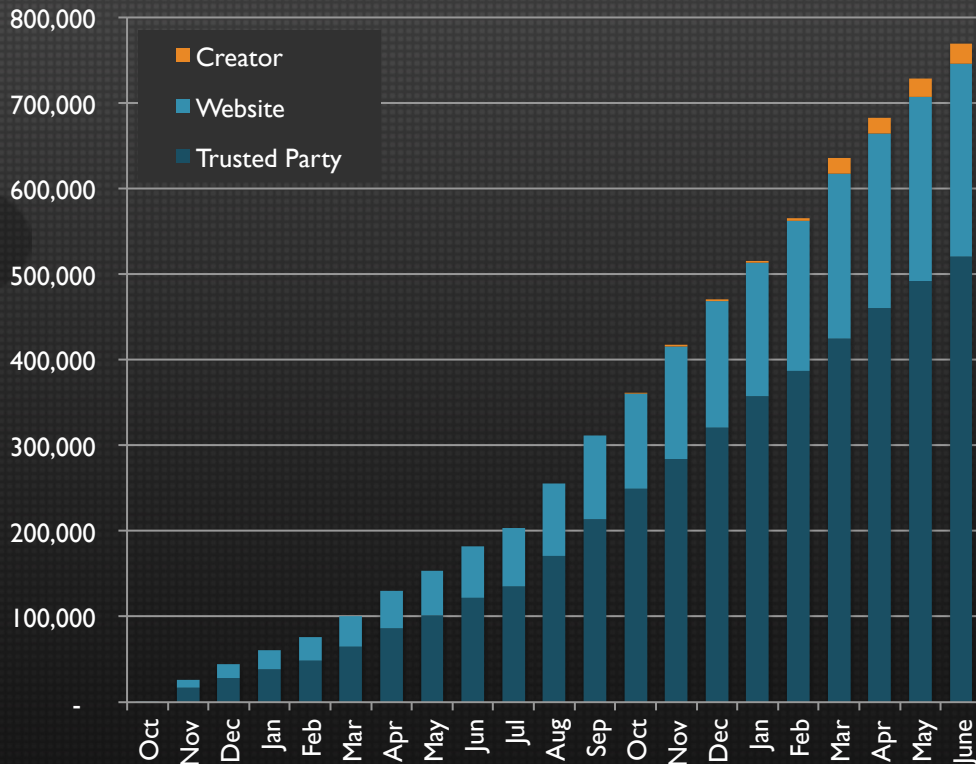


- ❖ ORCID provides a free, non-proprietary registry of persistent unique identifiers for researchers, scholars, and analysts
- ❖ ORCID iDs are embedded in research systems and ORCID provides APIs that enable the interoperable exchange of information between systems
- ❖ ORCID record data marked public by researchers is published annually
- ❖ ORCID code is open source and we support community efforts to develop tools and services
- ❖ ORCID iDs link to other research information identifiers
- ❖ ORCID is an independent non-profit organization supported by member fees

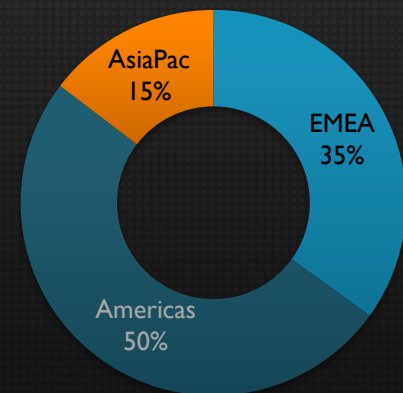


- ❖ **Data Governance:** ORCID is committed to maintaining persistence of the ORCID identifier Registry and data in its charge.
- ❖ **Organization Governance:** ORCID is governed by an elected Board of Directors, majority non-profit, drawn from and representative of ORCID member organizations. Governance documents are posted online.
- ❖ In addition to the Board of Directors, ORCID has Steering and Working Groups and an Ambassador program open to the research community.
- ❖ **Staff:** ORCID operations are managed by a full time staff.

ORCID has issued over 820,000 iDs since our launch in October 2012. Integration and use is international.



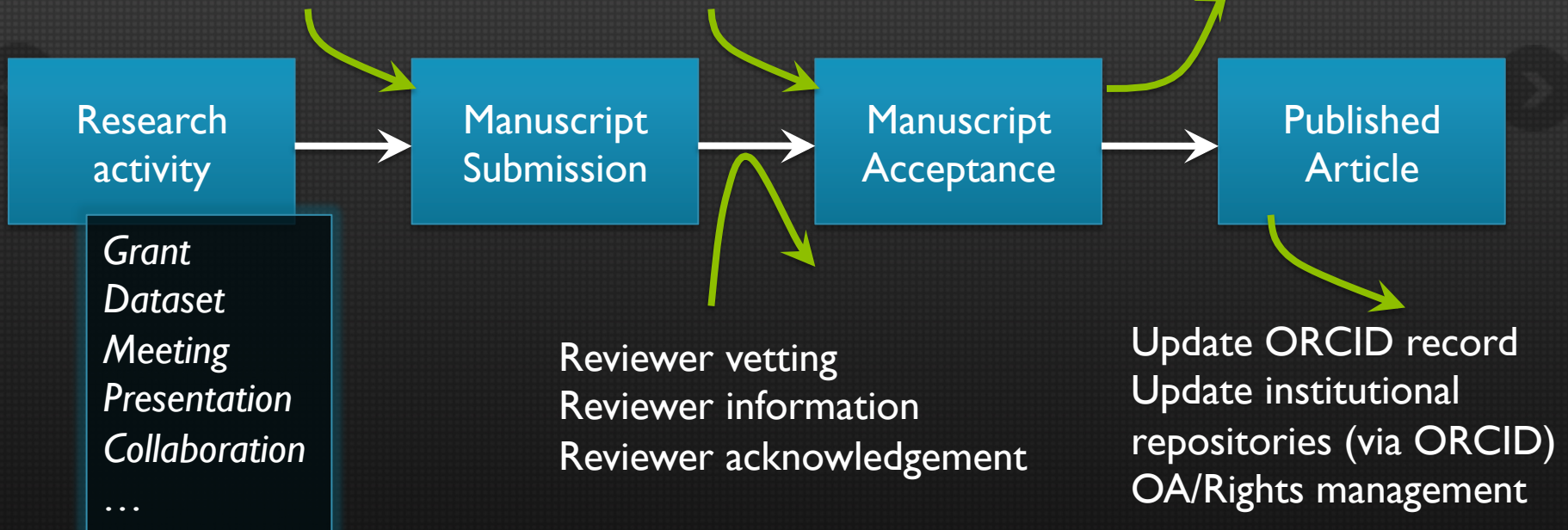
Over 140 members, from every sector of the international research community



Contributor type?
ORCID iD?
Dataset?
Organization ID?
Funder ID?
Grant ID?
Sample ID?
Resource ID?

Co-Author information

Article metadata
submitted to CrossRef
(including all identifiers)



Interoperability requires intentional collaboration

- **CASRAI:** ORCID metadata reflects the standard terms and record formats advanced in the CASRAI dictionary. In addition to a Research Personnel Profile specification CASRAI is also advancing additional person-related profiles (CVs, Funding Applications, Impact Reports, etc.) that can be associated with an ORCID identifier.
- **DataCite:** ORCID (through the ODIN Project) has implemented a search and link tool to associate data in DataCite with ORCID records; DataCite has updated their metadata standard to include ORCID for contributors.
- **euroCRIS:** ORCID metadata structure is consistent with EuroCRIS CERIF ontologies, and CERIF includes an ORCID identifier.
- **Force 11:** ORCID supports the Force 11 Resource Identification initiative to create a data exchange standard identifiers for research resources.
- **Global Alliance for Genomics and Health:** ORCID supports the GARD project for the ethical use, exchange, and citation of clinical and genomics data.
- **ISNI:** ORCID supports interoperability with ISNI, uses ISNI organization identifiers. Cooperation and dialog between the organizations is essential.
- **Research Data Alliance:** ORCID is participating as a member of the Research Data Alliance Persistent Identifier Interest Group, and on the Federated Identity Initiative.



crossref & orcid

CrossRef is pleased to announce that it is participating in the recently launched Open Researcher and Contributor ID (ORCID Inc.) initiative to create an unambiguous identifier for scholarly and professional researchers.

Our members will be aware that CrossRef has been exploring the possibility of creating an "author DOI" or "contributor ID" system. In doing so, it has become clear that the issues and use-cases involved in identifying researchers span a broad collection of stakeholders including libraries, institutions, funders, publishers and, of course researchers themselves. In short, this is not primarily "a publisher problem." As such, we believe that the ORCID approach to creating an inclusive and open organization representing all the stakeholders in the scholarly communications process represents the best chance of creating a successful contributor identification system.

For ten years the CrossRef DOI has allowed researchers, librarians and publishers to unambiguously identify published scholarly literature. We believe that the next step toward creating a robust and persistent scholarly record is to develop a similar mechanism for unambiguously crediting researchers for their scholarly contributions. We look forward to working with the ORCID members to make this happen.

Home » About » Announcements »

ORCID & CASRAI Kick-off New Standards Project on 'Peer Review Services'

Further, we are pleased that CHORUS and SHARE have included ORCID identifiers as a key component of their systems to facilitate public access to research funded by US government research agencies. ORCID actively supports organizations that promote integration of ORCID IDs. Some ORCID Board members are independently involved in both projects in a variety of capacities. For more on ORCID integration into these systems, see the [CHORUS](#) and [SHARE](#) Websites.



IMPORT WORKS

X

ORCID has been working with many member organizations to make it easy to connect your ORCID iD, and import information from their records. Choose one of the imports wizards to get started.

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 technology and engineering.

CrossRef Metadata Search

Search CrossRef's comprehensive metadata on journal articles, conference proceedings and monographs. Easily add search results to your ORCID profile.

DataCite search and link

Search the DataCite Metadata Store to find your research datasets, images and other works. Then claim them by adding them to your ORCID profile at the click of a button.

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 contains all of PubMed, 500K records from Agricola that cannot be found in PubMed, 4 million Patents and 2.6 million full text articles that we share with PMC in the USA.

ISNI2ORCID search and link

Enables user to search the ISNI registry by name and link ISNI records to his 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.

Don't see what you are looking for? You can connect your ORCID iD to many other organizations and sites. See our [Member Integration Page](#) to find more connections.

Link to existing works through self-claim search wizards and embedded in new works through integration by publishers in manuscript submission systems

R. Soc. Publishing
@RSocPublishing

Our first paper including an author's #ORCID @ORCID_Org has now been published in @OpenBiology bit.ly/OBorcid

09:24 AM - 15 Apr 14

ADD FUNDING SNAPSHOT

Who can see this?



Funding type
Pick a funding type *

Title of funded project
Add title

Description
Add description + add translated title

Total funding amount

Start date
Year

End date
Year Month

Role
What was your role?

FUNDING AGENCY
Funding agency name
Type name. Select from the list to fill other fields *

Add funding agency region

Funding agency country
Select a country *

Grant URL
Enter grant URL

Funding organization list
coordinated with FundRef

Classifications & metadata
fields consistent w/CASRAI

über WIZARD for ORCID

Easily import your grants from ÜberResearch into ORCID. [See which grant sources are covered by us.](#)

1 Select grants to submit **2 Verify & submit to ORCID**

Name searches are not case sensitive. However, an entry like 'M Smith' will not bring back 'Mike Smith' so please enter your name as it would have appeared on the grants. Alternatively use the * function. M* will bring back Mike, Michael etc.

First name: Last name:

4 grant(s) found, 0 grant(s) selected

- Select all
- National Institute of Mental Health
CELLULAR BASIS OF CIRCADIAN CLOCK IN SCN
10/01/1994 - LAUREL L HAAK -
- National Science Foundation
Policy Implications of International Graduate Students and Postdocs in the United States
03/01/2004 - 02/28/2006 Laurel Haak, Deborah Stone -
- National Science Foundation
Postdoc Network Annual Policy Meeting; Berkeley, CA, March 15-17, 2003
03/01/2003 - 02/29/2004 Crispin Taylor, Laurel Haak -
- National Science Foundation
ADVANCE Leadership Award: Women in Science and Engineering: A Guide to Maximizing their Potential
04/01/2006 - 03/31/2007 Laurel Haak -

Link to
existing
funding

ORCID
Connecting Research
and Researchers

CONNECTING Wellcome Trust eGrants WITH YOUR ORCID RECORD

Wellcome Trust eGrants

You asked for the following access to your ORCID Record

Confirm who you are, to log you in to their system

This application will not be able to see your ORCID password, or other private info in your ORCID Record

Wellcome Trust eGrants
Wellcome Trust on line application system

Embed during grant
application workflow

Organization
list from →
Ringgold
(an ISNI Registrar)

ADD EDUCATION

Who can see this? ✕

👤
🔑
🔒
?

Institution

Massachusetts Institute of
 *

Massachusetts Institute of Technology
 Cambridge, MA, academic
 *

Massachusetts Group Insurance Commission
 Boston, MA, public

Massachusetts Interlocal Insurance Association
 Boston, MA, other/assoc

Associated Industries of Massachusetts
 Boston, MA, other/advocates

Massachusetts Eye and Ear Infirmary
 Boston, MA, academic/hospital

Department

Add department

Degree/title

Start date

Day

Month

Year

End date (leave blank if current)

Day

Month

Year

Add to list

cancel

(or employers)


ORCID co-chairs the *Persistent Identifier Interest Group* of the Research Data Alliance. This IG is charged with coordinating persistent identifier initiatives, and will be reviewing progress on resource and sample identifiers, issues of governance for organizational identifiers and standards for grant identifiers in the coming plenary.

Who is Integrating and How?

- Publishers
- Research Funders
- Professional Associations
- Universities and Research Orgs
- Repositories, CRIS, Metrics Sites

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

- Integrate persistent identifiers for people, places, and things into your systems
- Support your users: collect persistent identifiers from them (using authenticated login, not typing!) AND use APIs to help autofill forms
- Incorporate identifiers into manuscripts, reviews, meetings
- Publish the identifiers with the works!



R. Soc. Publishing
@RSocPublishing

Follow

Our first paper including an author's **#ORCID @ORCID_Org** has now been published in **@OpenBiology** bit.ly/OBorcid

09:24 AM - 15 Apr 14

Retweeted by ORCID Organization

CrossRef @CrossRefNews · Jun 2

Good stuff! MT @mfenner 8-step program for publishers to integrate with @ORCID_Org - presentation from #sspboston ow.ly/xteXI

4

View summary

ORCID Organization @ORCID_Org · Jun 12

ORCID IDs display now on #Scopus #author profile page bit.ly/1i7daSO

13 4

Retweeted by ORCID Organization

Harriett Green @greenharr · Jun 28


Awesome news: the MLA IB will start including ORCID's and will be the database for pulling humanities pubs for @ORCID_Org #alaac14

10 8



ORCID Organization @ORCID_Org · 20h

@DoctorZen Most publishers listed already asking authors for ORCID ID at time of submission. Round trip back to ORCID by end of 2014.

View conversation



rsob.royalsocietypublishing.org

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

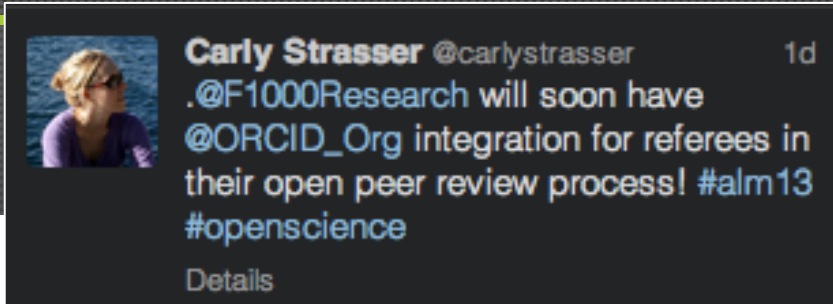
Daniel J. Macqueen and Alexander H. Wilcox

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

DM, 0000-0001-8050-7722

Cite this article: Macqueen DJ, Wilcox AH. 2014 Characterization of the definitive classical calpain family of vertebrates using phylogenetic, evolutionary and expression analyses. *Open Biol.* 4: 130219. <http://dx.doi.org/10.1098/rsob.130219>

Acknowledge Reviewers

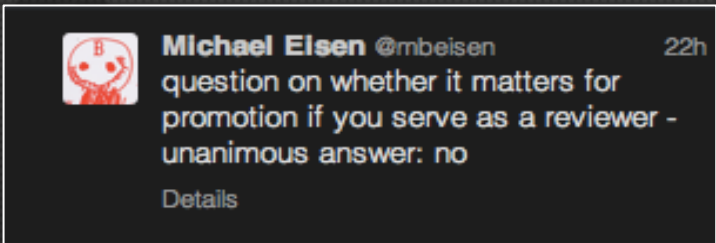


Carly Strasser @carlystrasser 1d
 .@F1000Research will soon have @ORCID_Org integration for referees in their open peer review process! #alm13 #openscience
 Details

ORCID and CASRAI: Acknowledging Peer Review Activities

A number of publishers and funders have been integrating ORCID identifiers into their review workflows. They are now asking us how to post review activity information to ORCID records. We are pleased to announce a community collaboration, managed by CASRAI, to answer that question.

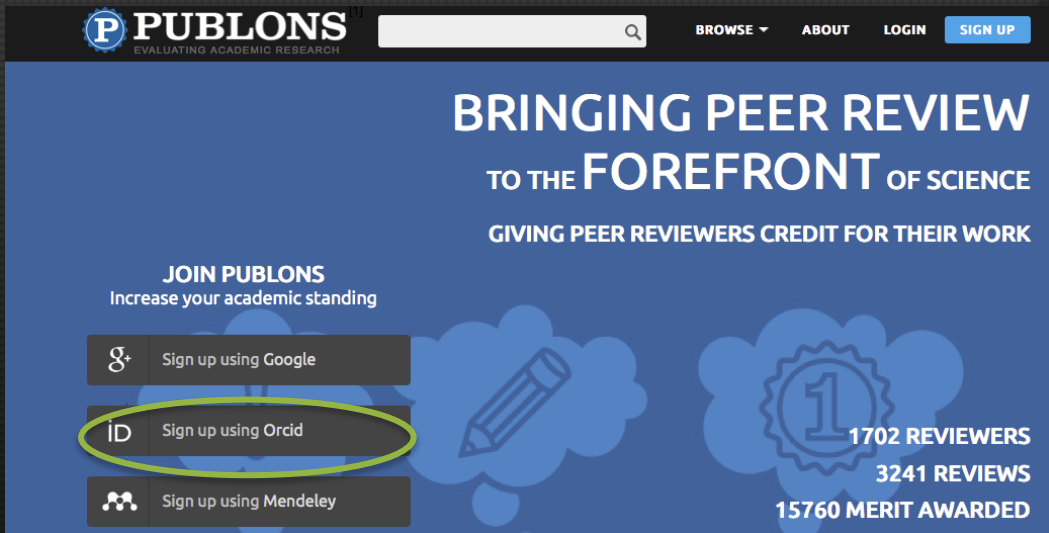
Read the rest of this post at <http://orcid.org/blog/2014/04/08/orcid-and-casrai-acknowledging-peer-review-activities>



Michael Elsen @mbeisen 22h
 question on whether it matters for promotion if you serve as a reviewer - unanimous answer: no
 Details



theWinnower @theWinnower
 .@mbeisen This will change as peer review becomes open.
orcid.org/blog/2014/04/0...
 2:28pm · 10 Apr 14 · web



PUBLONS
 EVALUATING ACADEMIC RESEARCH

BROWSE ▾ ABOUT LOGIN SIGN UP

BRINGING PEER REVIEW TO THE FOREFRONT OF SCIENCE
 GIVING PEER REVIEWERS CREDIT FOR THEIR WORK

JOIN PUBLONS
 Increase your academic standing

- Sign up using Google
- Sign up using Orcid**
- Sign up using Mendeley

1702 REVIEWERS
 3241 REVIEWS
 15760 MERIT AWARDED

NIH National Institutes of Health
Office of Extramural Research

Search

Glossary & Acronyms

Biomedical Research Workforce

Develop a simple and comprehensive tracking system for trainees


D. Encourage adoption of unique persistent researcher IDs

To measure the output of individual researchers, it is important to reduce the ambiguity associated with commonly occurring names. An international, non-profit organization called the Open Researcher and Contributor ID (ORCID) now provides a persistent digital identifier that can be associated with author names in publications. The ORCID system also will allow individuals to identify their research output and create a registry of IDs. SciENcv will include a utility that will make it easy for users to obtain an ORCID and to link it to their publications and grants. A broadly used researcher ID also will facilitate the identification of scientific output from those who work outside federally funded research programs. The acquisition of ORCIDs will be facilitated by SciENcv.

<http://biomedicalresearchworkforce.nih.gov/tracking-system.htm#d>

“Where possible, it is also recommended that contributors be uniquely identifiable, and data uniquely attributable, through identifiers which are persistent, non-proprietary, open and interoperable (e.g. through leveraging existing sustainable initiatives such as ORCID for contributor identifiers and DataCite for data identifiers).”

European Commission H2020 Grantee Guidelines

 **Ulf Kronman**
@UlfKronman

Follow

Good news from Swedish Research Council: **#ORCID** will be mandatory in their new application system PRISMA, to be released next spring!

Reply Retweet Favorite Share More

RETWEETS 30 FAVORITES 13

5:13 AM - 6 May 2014

Retweeted by ORCID Organization

 **Dolly Jørgensen** @DollyJorgensen · Jun 10

@rbthisted I have an ORCID (even without a common name!). On ERC grant application form, they even had a spot to enter the number.

1 2 View conversation

Case Study: Grant Applications

Wellcome Trust has integrated ORCID iDs into its eGrants application system.



CONNECTING Wellcome Trust EGrants WITH YOUR ORCID RECORD

Wellcome Trust eGrants

Wellcome Trust eGrants

Wellcome Trust on line application system

has asked for the following access to your ORCID Record

Confirm who you are, to log you in to their system

This application will not be able to see your ORCID password, or other private info in your ORCID Record

Deny

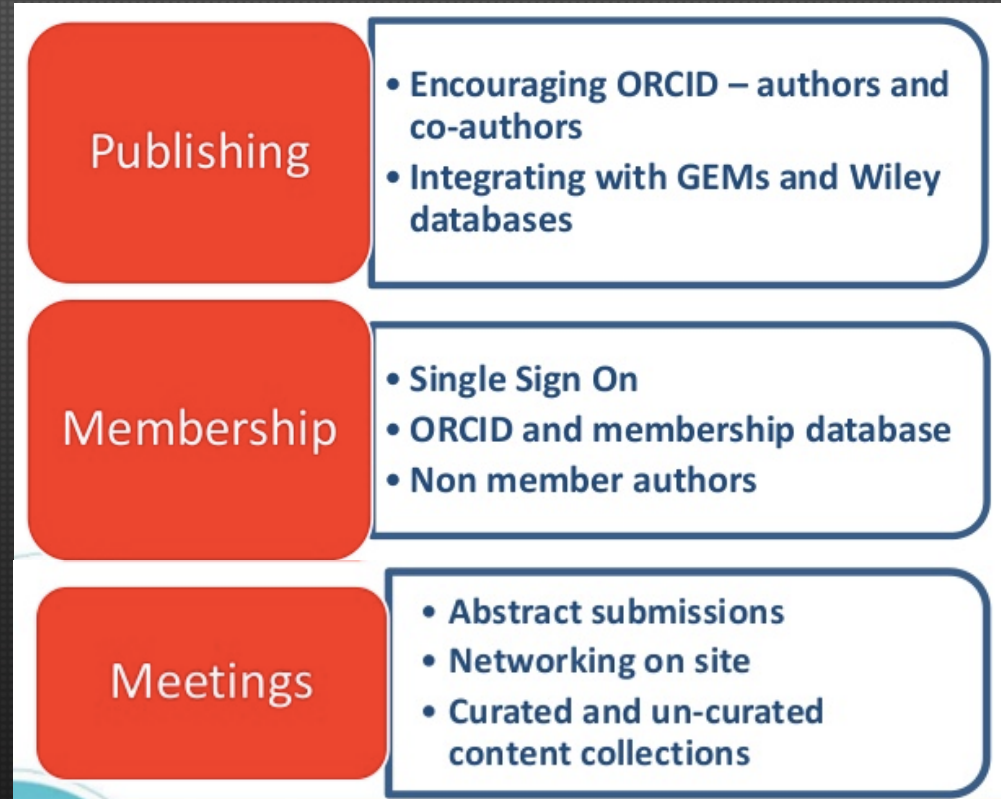
Authorize

Add your ORCID identifier during the grant application process

“AGU is implementing ORCID in our member records, editorial databases, and papers. Having the ability to uniquely identify scientists helps the society, editors, authors, and members in many ways, from improving efficiency to providing services and support.”

Brooks Hanson, Director of Publications,
American Geophysical Union

<http://orcid.org/0000-0001-6230-7145>



<http://www.slideshare.net/ORCIDSlides/20131029-mcentee>

“We want to use ORCIDs to simplify the life of Oxford’s researchers for working with institutional systems and publishers’ systems by re-using already available information for publication data management and reporting.

The motto is: Input once – re-use often.”

Wolfram Horstmann, Assoc. Director, Bodleian Libraries,
University of Oxford

<http://orcid.org/0000-0001-8673-6104>



Alex Smith @Alex_Smith_Ants

12m

Hour number 2 of entering and updating my publications to indicate that they were "published" and refereed. #CanadianCommonCV #wasteoftime

Details



Terry Wheeler

@ta_wheeler

@Alex_Smith_Ants Meanwhile, in an alternate universe, another You just typed his Orcid, linked it all up & went for a run.

9:07am · 29 Jul 2014 · Twitter for iPhone

- DataCite
- DSpace (UMissouri)
- ePrints (UBern)
- EThOS (British Library)
- HUBzero (U Notre Dame)
- Hydra/Fedora (Purdue)
- InSPIRE (CERN)
- Vireo (Texas A&M)
- Reactome

More at
<http://orcid.org/blog/2014/03/10/orcid-repositories-and-researchers>

Got an ORCID? Import your publications

Good luck to all those who responded to the JISC call for ORCID pilot projects.

Looking for inspiration and/or code examples? EPrints Services developer Peter West has created an "Import from ORCID" plugin which is now available from the EPrints Bazaar.

<http://wiki.eprints.org/w/ImportFromORCID>



Table 3: Expanded DataCite Mandate

ID	DataCite-Property		
1	Identifier		
1.1	identifierType		
2	Creator		
2.1	creatorName		
2.2	nameidentifier		
2.2.1	nameidentifierScheme	1	The name of the name identifier scheme. If nameidentifier is used, nameidentifierScheme is mandatory. Examples: ORCID ¹² , ISNI ¹³ ,

Jon Tennant
@Protohedgehog

Follow

Science win! You can now integrate your thesis/dissertation with @ORCID_Org #PhDchat orcid.org/blog/2014/03/2... #openscience #openaccess

01:41 PM - 27 Mar 14



PLOS Biology @PLOSbiology 23d
We want public archiving of all data, but how can we encourage this? @datadryad @figshare @orcid #PLOSbiology Persp plos.io/1iKAIXk

ORCID Organization @ORCID_Org · May 21

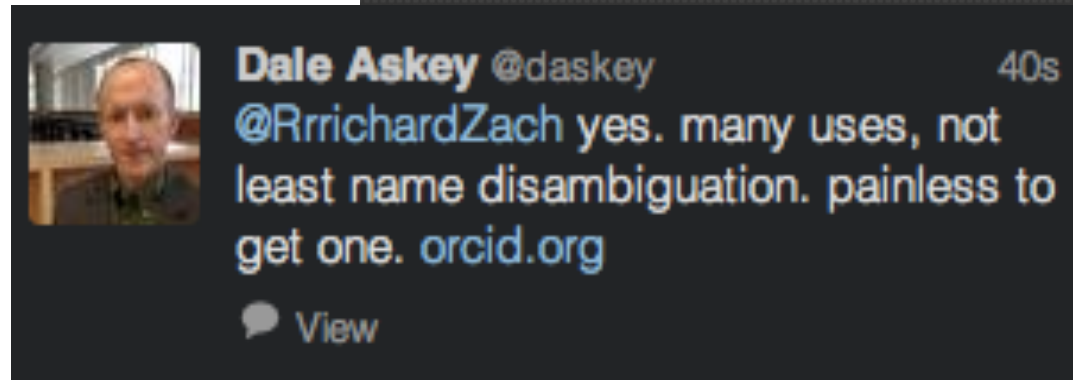
Presentation by Jared Lyle on cool integration of ORCID w/n self-published @ICPSR repository incl ORCID sign-in, data population #orcid12



Jo McEntyre @jomcentyre ⚙️ + Follow

Time for coffee! @ORCID_Org
pic.twitter.com/RKDGliUaaB

↩ Reply 🔄 Retweeted ⭐ Favorited ⋮ More



Dale Askey @daskey 40s

@RrrichardZach yes. many uses, not least name disambiguation. painless to get one. orcid.org

💬 View