ORCID: HELPING RESEARCHERS SHARE THEIR UNIQUENESS

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A NAME IS NOT ENOUGH

A researcher can share a name, or change their name, or use their middle name or initial, or their name could be spelt differently, or have an accent...

<table>
<thead>
<tr>
<th>ORCID iD</th>
<th>First name</th>
<th>Last name</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000-0002-8898-4520</td>
<td>Koichi</td>
<td>Tanaka</td>
</tr>
<tr>
<td>0000-0001-9115-2015</td>
<td>Koichi</td>
<td>Tanaka</td>
</tr>
<tr>
<td>0000-0001-8666-6396</td>
<td>Koichi</td>
<td>Tanaka</td>
</tr>
<tr>
<td>0000-0002-3180-7881</td>
<td>Koichi</td>
<td>Tanaka</td>
</tr>
</tbody>
</table>
"I'm the 38th author..."
"Wow, that sucks."
"I hadn't finished. I'm the 38th author called "Wang"."
"Oh."

ncbi.nlm.nih.gov/pubmed/26799652
Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).

WHAT IS ORCID?

• An identifier for researchers

• A registry

• A set of standard procedures for connecting researchers to their affiliations and activities

• A committed community building connectors

• An international-scale open research effort
ORCID’s vision is a world where all who participate in research, scholarship, and innovation are uniquely identified and connected to their contributions and affiliations across time, disciplines, and borders.
These connections matter because research progress is based on the communication of ideas – between individuals, and organizations – and research credit and careers are built on the quality and success of those communications.
How do we help to showcase the unique contributions each researcher makes?
Case study 1: Research resources.
EXAMPLE USE CASE

• Researcher applies for access to a resource; “Giant Laser”, providing their ORCID ID

• The organization that owns the giant laser, or processes the application adds information about the researchers access to their ORCID record.
WHAT DOES THIS MEAN?

• People, articles and research resources are linked in a robust machine and human readable manner.

• It becomes easier to track the outputs of research resource users
  • Through article metadata (e.g. DOIs)
  • Through ORCID metadata
WHAT DOES ORCID MEAN BY “RESEARCH RESOURCE”?

• Infrastructure, collections, equipment or services that require a specific proposal process or credential to access.

• Tending towards the ‘large’, i.e. national or international scale resources.

• “Things researchers use for their research”
WHAT WILL IT LOOK LIKE?

Research resources (2)

- Giant Laser Award (2 resources)
  - XSEDE (City, Region, United States)
  - Lasers-R-Us (City, Region, United States)
  - 1999-02-02 to 2012-02-02
  - Proposal ID: 123456
  - Handle: https://grants.net/123456
WHAT WILL IT LOOK LIKE?
Meanwhile, downstream...

- When the researcher submits an article based on their use of the resource for publication, the publisher:
  - Asks the user to provide their ORCID ID
  - Checks their ORCID record for research resources
  - Enables the researcher to pick which research resources are associated with the article
  - Includes the ORCID ID and research resource information in the article metadata
Case study 2: people and organisations.
How things used to look
But it wasn’t a complete picture

Qualifications?
Invited positions and Distinctions?
Membership and Service?

These are *vital contributions to research, and major indicators of career esteem.*
### New affiliations

<table>
<thead>
<tr>
<th>Type</th>
<th>Subtypes</th>
<th>Definition</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employment</td>
<td></td>
<td>A formal employment affiliation with an organization - paid or unpaid</td>
<td>Formal positions including faculty, postgraduate researchers, internships, society employee, other staff and contractors</td>
</tr>
<tr>
<td>Education and</td>
<td>Education</td>
<td>Participation in an academic higher education program. May be designated as in progress or unfinished</td>
<td>Undergraduate, graduate, masters, doctorate</td>
</tr>
<tr>
<td>Qualifications</td>
<td>Qualification</td>
<td>Professional or vocational accreditation, certification or training undertaken by an individual. May be designated as in progress or unfinished</td>
<td>Professional and continuing education qualifications, training and other certification</td>
</tr>
<tr>
<td>Invited Positions and</td>
<td>Invited Position</td>
<td>An invited non-employment affiliation. The individual may be based at a different organization</td>
<td>Honorary fellow, guest researcher, emeritus professor, visiting lecturer</td>
</tr>
<tr>
<td>Distinctions</td>
<td></td>
<td>This category includes formal acknowledgements of an individual’s academic efforts through honorary titles and/or positions which require no specific service</td>
<td>May be paid or unpaid</td>
</tr>
<tr>
<td></td>
<td>Distinction</td>
<td>This category is for honorary and other awards, distinctions, and prizes made by an organization in recognition of an individual’s academic or other achievements</td>
<td>Trophies, cash prizes, non-cash prizes, medals, honorary degrees</td>
</tr>
<tr>
<td>Membership and Service</td>
<td>Membership</td>
<td>Paid or gratis membership of a society or association (i.e. does not include honorary memberships and fellowships as defined under Invited Position and Distinctions)</td>
<td>Member of an association or society</td>
</tr>
<tr>
<td></td>
<td>Service</td>
<td>Significant donations of time, money, or other resources to an organization or community</td>
<td>Standards body, expert panel, editorial board, study group, conference organizer, conference panel chair, committee work, project work, volunteer society officer, elected board position</td>
</tr>
</tbody>
</table>

Qualifications
Invited positions and Distinctions
Membership and Service

Now available in the user interface and forthcoming API versions (3.0 rc1)+
How do we help researchers to share their uniqueness?
ORCID
Reducing Burden and Improving Transparency
ORBIT: AN OVERVIEW

ORBIT is our flagship funder engagement project. We have assembled global working groups of 30 funders and research information and policy experts.

The groups oversee the project, build and test ORCID integration in funding workflows, and help to find shared solutions to common problems.
ORBIT: AN OVERVIEW

This year we have been:

• Automatically populating funding applications with CV and career information

• Sharing grant funding information via the ORCID registry

• Extending the availability of research information, and making it easier to re-use
WHAT’S NEXT?

• A funders “open letter”

• Quantified evidence of the benefits of identifiers in funding workflows

• A long term communication strategy to share the results of the project, pathfinders, and share best practice

• Engage with policy makers to ensure more consistency in ORCID adoption and use

• Use ORCID iDs to make reporting and evaluation more efficient
Every researcher and every career is unique. There are many pathways to impact.

We want to help researchers to share more of their uniqueness efficiently and transparently.