

ORCID

Connecting Research  
and Researchers



## ORCID Symplectic Elements Webinar (Americas & Caribbean)

Symplectic Elements has recently released new features and capabilities to read and write data to the ORCID registry. Please join us for a demonstration of these new features and see how others have implemented these features at their organizations. This webinar is free and all are welcome to join.



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# ORCID and Elements

**Sam Frendo**

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# Overview

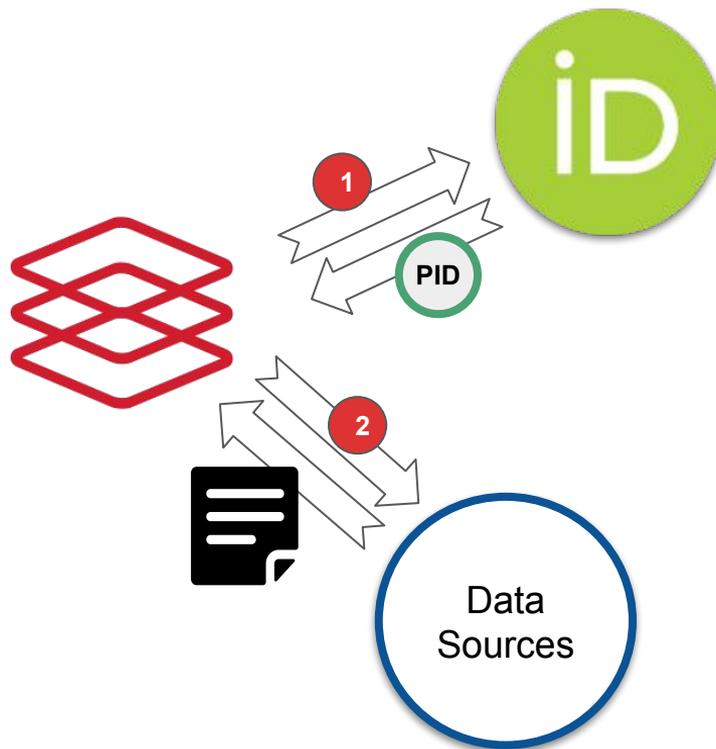
- Review the use of ORCID iDs in Elements
- Overview of write integration - Send publications (v5.18) and assert affiliation (v5.19)
- Demonstration of functionality in Elements

# 1. Automatic harvest of Publication IDs from ORCID

Our original “ORCID integration” allows users to authenticate their ORCID IDs within Elements.

Elements then regularly searches ORCID for any persistent identifiers (PIDs) found in user’s ORCID records and uses the returned PIDs to fetch publications from Elements data sources.

This allows Elements to create an active link with the source, obtain richer metadata about each publication including supplementary metadata such as citation counts.



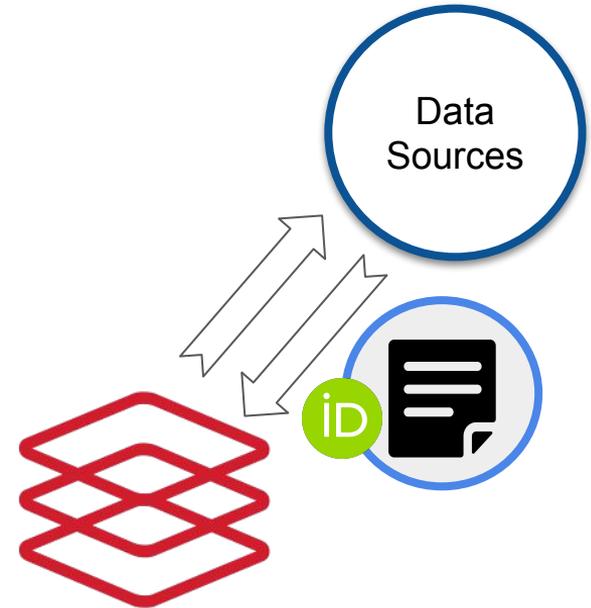
## 2. Using ORCID iDs in Elements' 'auto-claiming'

Elements also uses ORCID iDs for their intended purpose - to help uniquely identify researchers and contributors in records across the research ecosystem.

Elements mines the metadata included with publications from data sources to find unique IDs, including ORCID iDs.

IDs are offered to the researcher and, once claimed, used to search for more publications and also (optionally) to auto-claim them, saving the researcher time and effort.

Once they have claimed an ORCID iD researchers can also choose to authenticate it.



# Overview of write integration

# x3 new feature sets:

## System Configuration

- Enable ORCID write integration for the institution
- Define mapping between Elements publication types and ORCID work types
- Update 'Global settings' page with information for affiliation

## User Authorisation

- New 'ORCID settings' page will allow users to control write integration - both sending publications and asserting affiliation
- N.B. This will require a re-authentication of ORCID connection

## Ongoing User Control

- Users will have visibility that publications have been sent to ORCID and control to send/remove individual publications
- Users have control over asserting their affiliation
- Publication push managed as part of a queue (i.e. not instant)

# Mapping between types

- Out-of-the-box setup for default Elements types
- Bespoke mapping possible for custom publication types
- Achieved via a simple CSV download / upload process.

Elements identifier	ORCID work type	ORCID category
artefact	other	Other
book	book	Publications
chapter	book-chapter	Publications
composition	other	Other
conference	conference-paper	Conference
dataset	data-set	Other
design	other	Other
exhibition	other	Other
figure	other	Other
fileset	other	Other
internet-publication	other	Other
journal-article	journal-article	Publications
media	other	Other
other	other	Other
patent	patent	Intellectual Property
performance	artistic-performance	Other
presentation	lecture-speech	Other
poster	conference-poster	Conference
report	report	Publications
scholarly-edition	other	Other
software	software	Other
thesis-dissertation	dissertation	Publications

# Demonstration of functionality in Elements...

# McMaster Experts: Elements, ORCID, & Research Information Integration at McMaster University

Jay Brodeur

McMaster University Library

ORCID + Symplectic Elements Webinar  
27-May, 2020



Experts

# Experts

HOME

PEOPLE

DEPARTMENTS

RESEARCH

ABOUT

LOGIN

McMaster Experts is McMaster University's researcher and expertise discovery gateway that aims to facilitate collaboration among academic researchers and spark increased engagement with other communities in academia, industry, and the media, locally, nationally, and internationally.

## Search McMaster Experts

Search

Search for experts, by name or research area

## McMaster Experts in the News

Eric Brown recognized with Killam Research Fellowship for work on antibiotic resistance MAY 26

Mindy Kaling's 'Never Have I Ever' makes me feel hopeful about representation, gender and race MAY 26

Scientists see through glass frogs' translucent camouflage MAY 25

Evidence shows cloth masks may help against COVID-19 MAY 25

The chronic stress of coronavirus is affecting your mental health. Here's how exercise can help MAY 22

Cell tower vandals and #Reopen protestors: Why some people believe in coronavirus conspiracies MAY 22



[Dr. Sheila Singh](#), Associate Professor  
Surgery and Biochemistry

About McMaster Experts

McMaster Experts is powered by VIVO

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# McMaster Experts

**Research  
Information  
Management  
System [RIMS]**



Elements



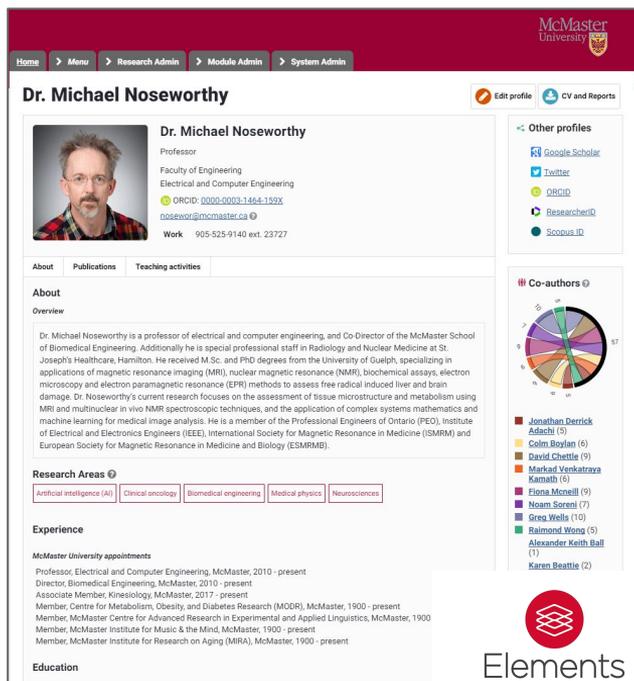
**Ontology +  
Linked data  
application for  
scholarship**

**VIVO**

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McMaster Experts integrates a Research Information Management System (RIMS) with a semantic web application for displaying scholarship, to provide a central system for collecting and displaying information about McMaster's researchers and their scholarly work.

# McMaster Experts



**Dr. Michael Noseworthy**

Professor  
Faculty of Engineering  
Electrical and Computer Engineering  
ORCID: [0000-0003-1464-159x](https://orcid.org/0000-0003-1464-159x)  
[nosewor@mcmaster.ca](mailto:nosewor@mcmaster.ca)  
Work: 905-525-9140 ext. 23727

**About** | Publications | Teaching activities

**About**  
Overview  
Dr. Michael Noseworthy is a professor of electrical and computer engineering, and Co-Director of the McMaster School of Biomedical Engineering. Additionally he is special professional staff in Radiology and Nuclear Medicine at St. Joseph's Healthcare, Hamilton. He received M.Sc. and PhD degrees from the University of Guelph, specializing in applications of magnetic resonance imaging (MRI), nuclear magnetic resonance (NMR), biochemical assays, electron microscopy and electron paramagnetic resonance (EPR) methods to assess free radical induced liver and brain damage. Dr. Noseworthy's current research focuses on the assessment of tissue microstructure and metabolism using MRI and multinuclear in vivo NMR spectroscopic techniques, and the application of complex systems mathematics and machine learning for medical image analysis. He is a member of the Professional Engineers of Ontario (PEO), Institute of Electrical and Electronics Engineers (IEEE), International Society for Magnetic Resonance in Medicine (ISMRM) and European Society for Magnetic Resonance in Medicine and Biology (ESMRMB).

**Research Areas**

Artificial intelligence (AI) | Clinical oncology | Biomedical engineering | Medical physics | Neurosciences

**Experience**

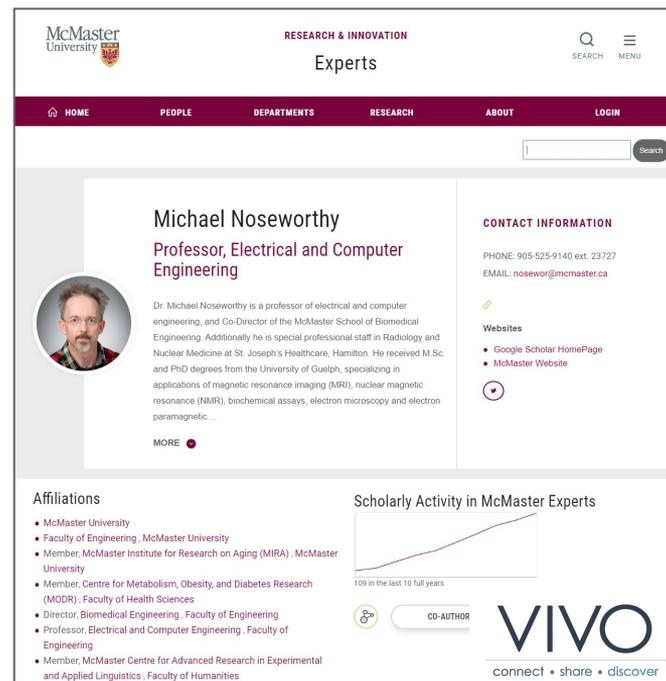
**McMaster University appointments**  
Professor, Electrical and Computer Engineering, McMaster, 2010 - present  
Director, Biomedical Engineering, McMaster, 2010 - present  
Associate Member, Kinesiology, McMaster, 2017 - present  
Member, Centre for Metabolism, Obesity, and Diabetes Research (MODR), McMaster, 1900 - present  
Member, McMaster Centre for Advanced Research in Experimental and Applied Linguistics, McMaster, 1900  
Member, McMaster Institute for Music & the Mind, McMaster, 1900 - present  
Member, McMaster Institute for Research on Aging (MIRA), McMaster, 1900 - present

**Education**

**Co-authors**

- Jonathan Derrick Adachi (5)
- Colin Boylan (6)
- David Chettle (9)
- Marked Venkatraya Kamath (6)
- Fiona Monnell (9)
- Niamh Sorens (7)
- Greg Wells (10)
- Raimond Wong (5)
- Alexander Keith Ball (1)
- Karen Beattie (2)

Elements



RESEARCH & INNOVATION

## Experts

HOME | PEOPLE | DEPARTMENTS | RESEARCH | ABOUT | LOGIN

**Michael Noseworthy**  
Professor, Electrical and Computer Engineering

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EMAIL: [nosewor@mcmaster.ca](mailto:nosewor@mcmaster.ca)

**Websites**

- Google Scholar HomePage
- McMaster Website

**Affiliations**

- McMaster University
- Faculty of Engineering, McMaster University
- Member, McMaster Institute for Research on Aging (MIRA), McMaster University
- Member, Centre for Metabolism, Obesity, and Diabetes Research (MODR), Faculty of Health Sciences
- Director, Biomedical Engineering, Faculty of Engineering
- Professor, Electrical and Computer Engineering, Faculty of Engineering
- Member, McMaster Centre for Advanced Research in Experimental and Applied Linguistics, Faculty of Humanities

**Scholarly Activity in McMaster Experts**

109 in the last 10 full years

CO-AUTHOR

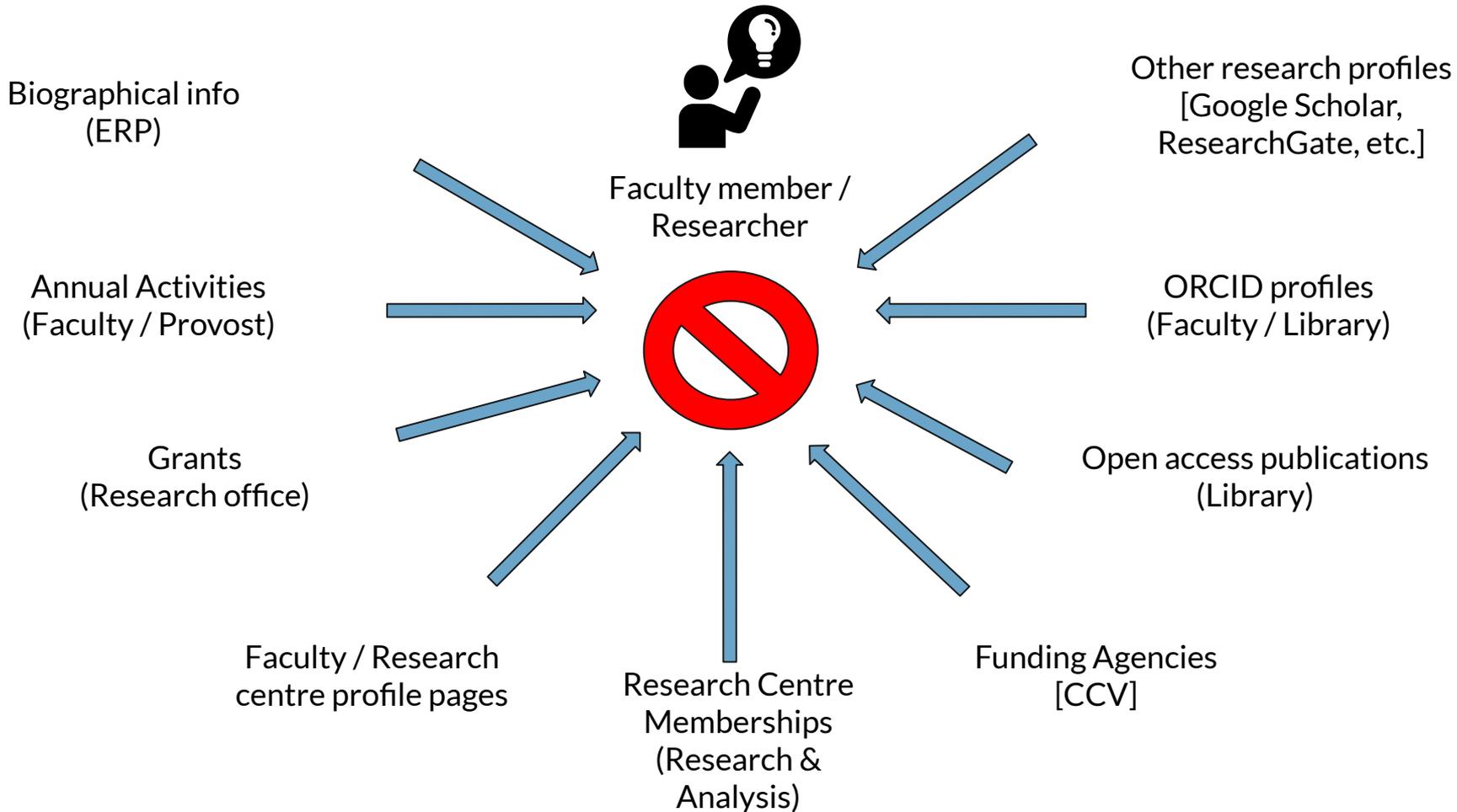
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connect + share + discover

McMaster Experts integrates a Research Information Management System (RIMS) with a semantic web application for displaying scholarship, to provide a central system for collecting and displaying information about McMaster's researchers and their scholarly work.



Faculty member /  
Researcher





Biographical info  
(ERP)

Annual Activities  
(Faculty / Provost)

Grants  
(Research office)

Faculty / Research  
centre profile pages



Faculty member /  
Researcher



Other research profiles  
[Google Scholar,  
ResearchGate, etc.]

ORCID profiles  
(Faculty / Library)

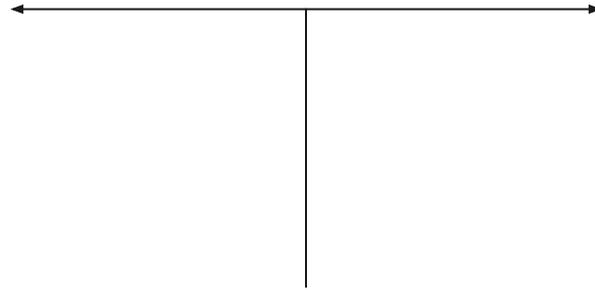
Open access publications  
(Library)

Funding Agencies  
[CCV]

Research Centre  
Memberships  
(Research &  
Analysis)

Decrease burden & duplication of effort

Improve quality & interoperability of institutional data



## Integration & Reuse

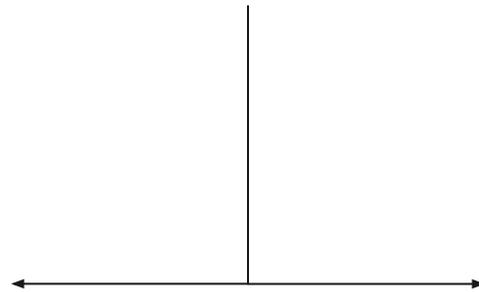
Improve credit & attribution

Create & expose connections



Support existing (& enable new) analyses

Better represent and share McMaster research



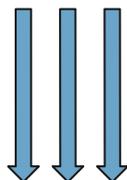
Curated profile /  
publication  
information



Authoritative  
information from  
other systems



Information to  
other systems



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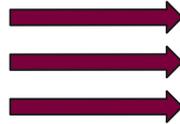
Curated profile /  
publication  
information

ORCID  
as identity

Automated  
publication claiming



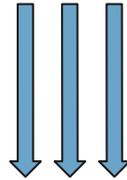
Authoritative  
information from  
other systems



Elements



Information to  
other systems



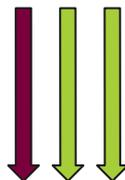
VIVO

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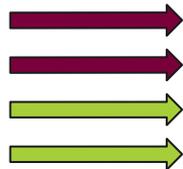
Curated profile /  
publication  
information

ORCID  
as identity

Automated  
publication claiming



Authoritative  
information from  
other systems

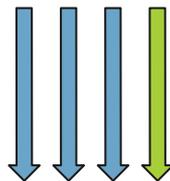


  
Elements



Information to  
other systems

ORCID  
as source

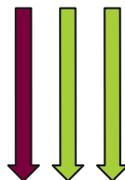


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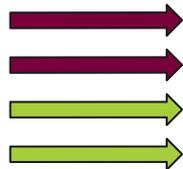
Curated profile /  
publication  
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ORCID  
as identity

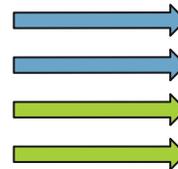
Automated  
publication claiming



Authoritative  
information from  
other systems

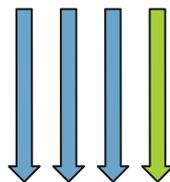


  
Elements



Information to  
other systems

ORCID  
as source



ORCID  
as recipient

VIVO  
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# Other Profile Pages & Systems

Information pulled dynamically from Elements to other profile pages and systems

Streamlined creation of Open Access MacSphere submissions



Experts



Manually-exported bibtex files can be used to populate publication lists

ORCID used to auto-claim publications  
ORCID as secondary data source



Bulk 'push' publication records



University of California

**CDL**

California Digital Library

**Symplectic Elements & ORCID  
@ the University of California**

2020.05.27

Alainna Therese Wrigley, UC Publication Management System Coordinator  
[oapolicy-help@universityofcalifornia.edu](mailto:oapolicy-help@universityofcalifornia.edu) |  <https://orcid.org/0000-0002-6138-0903>

# California Digital Library



# ORCID @ UC

## UC ORCID member organizations

- UC Davis
- UC Irvine: ORCID US Community
- UCLA: ORCID US Community
- UC San Diego: ORCID US Community
- UCSF: ORCID US Community
- UC Santa Barbara: ORCID US Community
- California Digital Library (Office of the President): ORCID US Community



UNIVERSITY  
OF  
CALIFORNIA



# UC Open Access Policies

Empower UC employees to make scholarly articles available in an open access repository

- May 2012: UCSF Academic Senate faculty
- July 2013: UC Academic Senate faculty
- October 2015: All non-Senate UC employees

California Digital Library and UC campus partners provide tools & services to support OA policy participation

- **eScholarship:** Open access repository & publishing platform
- **UC Publication Management System:** Systemwide implementation of Symplectic Elements

The screenshot displays the eScholarship website interface. At the top, a banner features a coastal scene with the text "Open Access Publications from the University of California" and "UC Santa Cruz Explore all of our campuses >". Below the banner are two main navigation buttons: "eScholarship Repository" (described as "Open Access repository services for UC researchers to share their scholarly output.") and "eScholarship Publishing" (described as "Open Access publishing for journals, monographs, conference proceedings and more."). A central section titled "Why Open Access with eScholarship?" includes a world map and two statistics: "272,326 Items" and "68,652,269 Views". The "Good for Authors" section states that open access research is read and cited more than access-restricted scholarship. The "Good for Readers" section notes that the University's open access policies extend its public mission to share research and knowledge globally. A "Learn more about UC Open Access >" link is located at the bottom right of the statistics section.

**eScholarship: UC's open access publications**

<https://escholarship.org>

# Elements @ UC

## “[A]s convenient for the Faculty as possible”\*

- **Automated** publication record harvesting & claim/deposit notifications
- **Streamlined** verification & document upload
- **Contextualized** deposit advice
- **Coverage** of all disciplines

## Efficient & connected

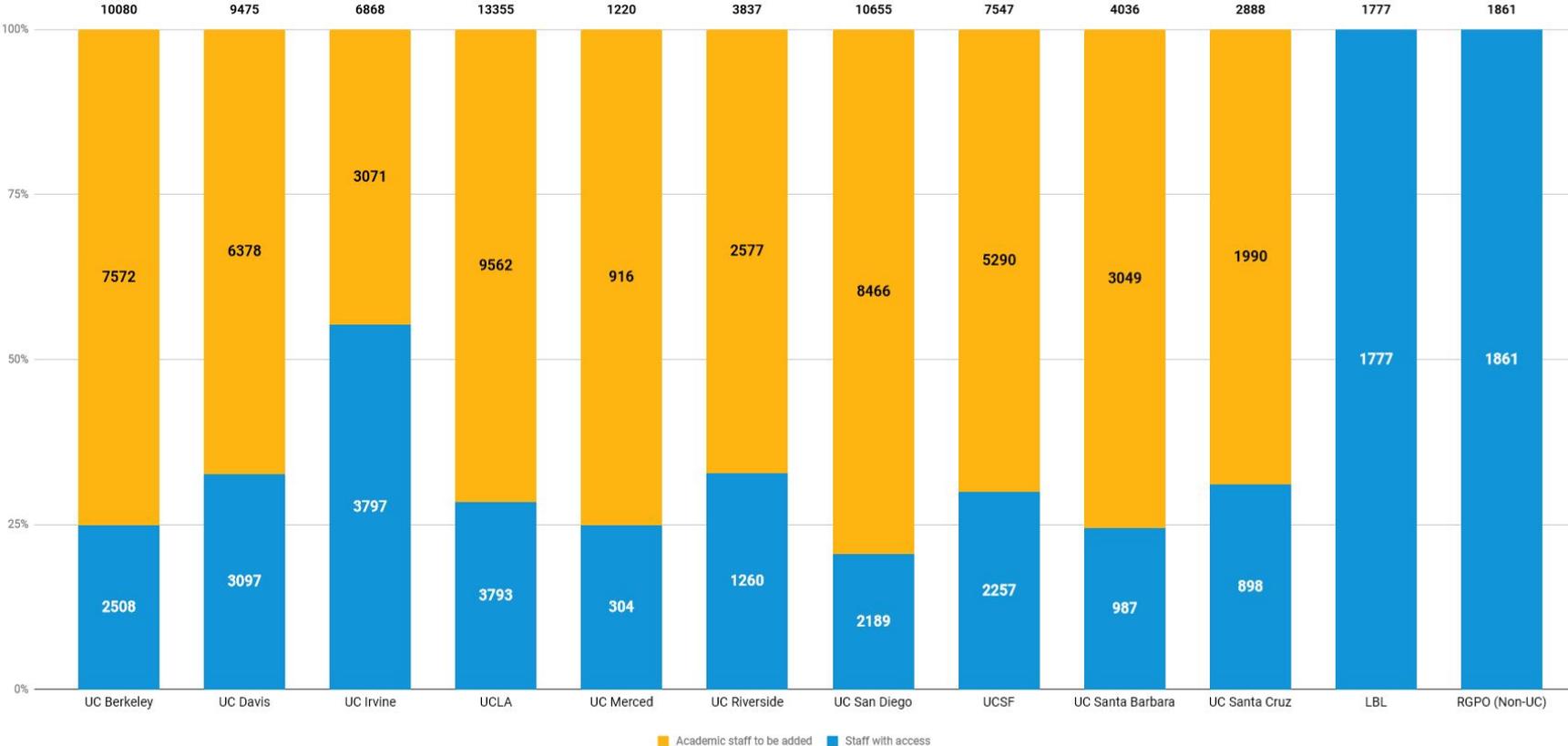
- **System-wide** implementation of Symplectic Elements
- **Integrated** with eScholarship, USDOE OSTI, ORCID, & other systems
- APIs for **leveraging** collected publication (& other) data

The screenshot shows the UC Publication Management System interface for Prof. Christoph Kirst. At the top right is the UCSF logo. Below it are 'Home' and 'Menu' buttons. The main header reads 'Welcome, Prof. Christoph Kirst' and includes a profile picture, contact information (UC San Francisco/LBL, email: Christoph.Kirst@ucsf.edu, ORCID: 0000-0003-4867-5288), and a 'Go to your profile' button. A 'My Actions (1)' section contains a notification: 'You have 2 publications: do some of them need to be linked to funding?'. The 'My Summary' section features a bar chart for '2 publications' (with a '+ add' button) showing counts for 2018, 2019, and 2020. Below the chart are statistics for 'Claimed publications: 2 journal articles' and 'Pending publications: You have no pending publications.' To the right, a '2 grants' section shows 'Claimed grants: 2 funds' and 'Pending grants: You have no pending grants.' At the bottom right, it shows '0 professional activities' with a '+ add' button and the note 'You have no professional activities yet.'

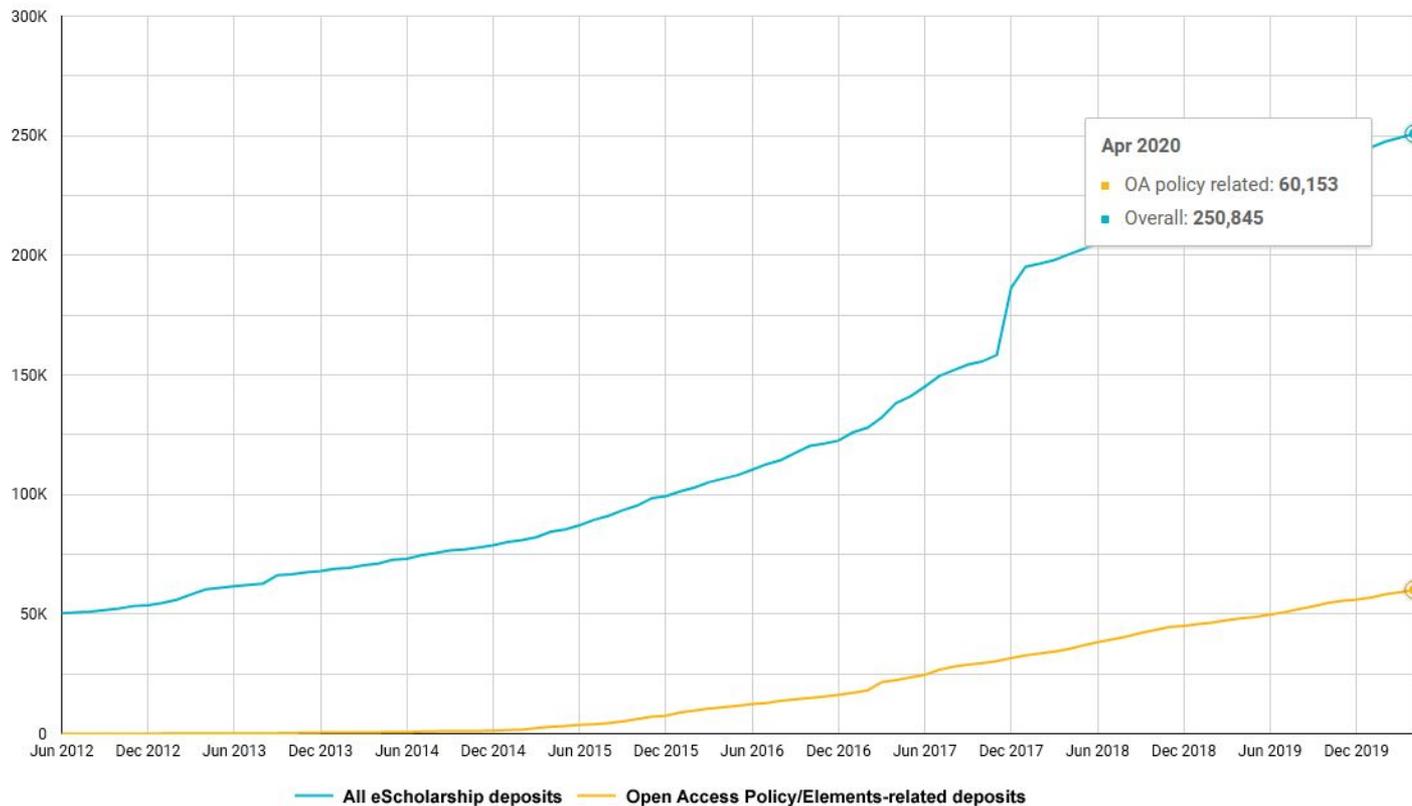
**UC Publication Management System**  
<https://oapolicy.universityofcalifornia.edu>

\*UC Systemwide Academic Senate Open Access Policy (<http://uc-oa.info>)

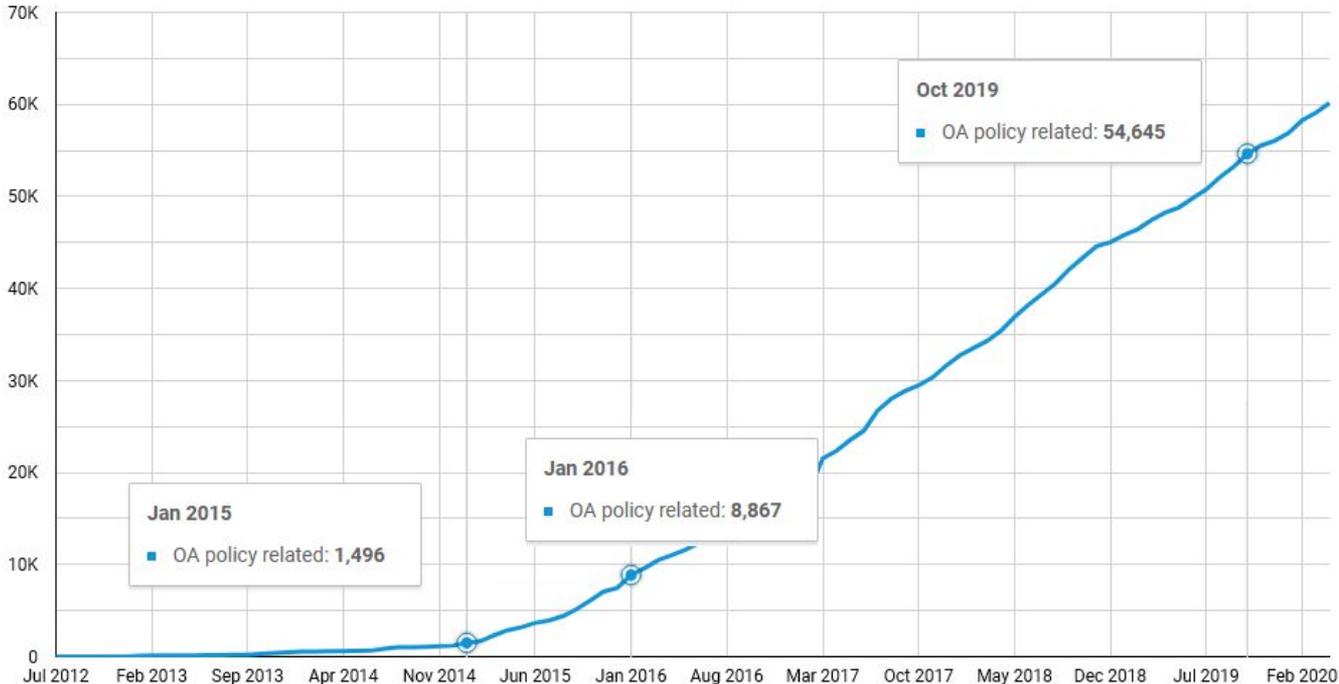
# UC staff with Elements access



# eScholarship deposits



# Elements & OA Policy-related deposits



**Open-access related deposits since July 2012 (UCSF Senate OA Policy adoption)**

**Jan 2015:** Elements pilot (Senate faculty)

**Jan 2016:** All campuses in Elements (Senate faculty)

**Jan 2017:** LBL Elements pilot

**Oct 2019:** UC Irvine pilot for non-senate staff

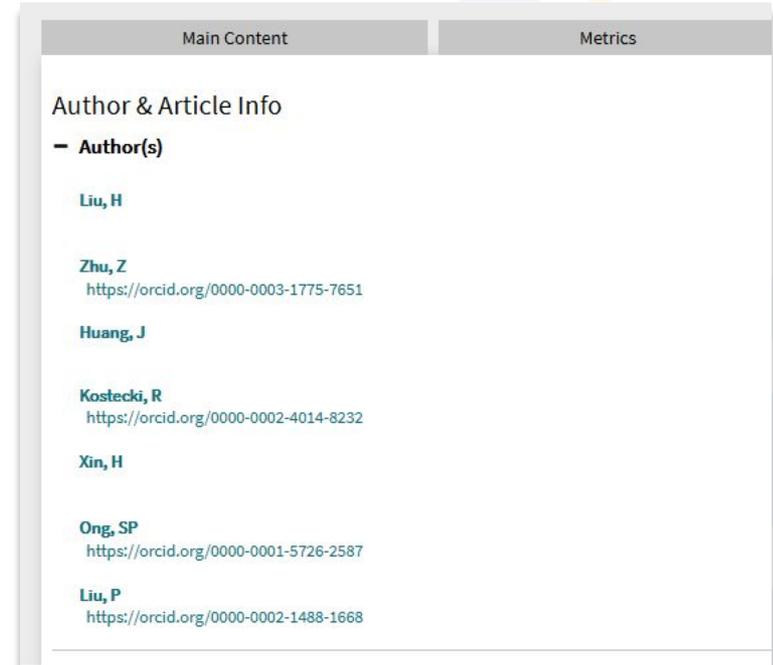
# ORCID, Elements, and eScholarship

## ORCID iDs in Elements

- Researchers can connect claim ORCID iDs to disambiguate and auto-claim publications since feature launch
- Authenticated iDs passed to eScholarship deposits in full https uri format per iD display guidelines

## ORCID iDs in eScholarship

- Future goal: Display  icon per iD display guidelines
- Future goal: Authenticate ORCID iDs in peer review & journal submission platform



ORCID iDs authenticated in Elements display in eScholarship  
Source: <https://escholarship.org/uc/item/5xf913tx>

# ORCID write in UC Elements

## ORCID works only

- Researchers choose which works to write
- All works include source work IDs for easy tracking in Elements
- Launched March 19, 2020 – just as COVID-19 stay-at-home order announced

## No write affiliation

- Currently no support for consortium use – all affiliations have single name & GRID ID
- Users expect their institution to be named, not “UC System”
- Cannot disable affiliation write at group level

Laser and electron deflection from transverse asymmetries in laser-plasma accelerators. 📄

Physical Review E  
2019-12 | journal-article  
PMID: 31962408  
DOI: [10.1103/physreve.100.063208](https://doi.org/10.1103/physreve.100.063208)  
Part of ISSN: 2470-0045  
WOSUID: WOS:000504639000017  
SOURCE-WORK-ID: 2789959

Source: University of California Publication Management System ★ Preferred source

*Example work:* <https://orcid.org/0000-0003-0542-4358>

University of California: Oakland, US 📄  
Employment

---

**Organization identifiers**  
GRID: [grid.30389.31](https://orcid.org/0000-0003-0542-4358)  
University of California System: Oakland, California, US  
<http://www.universityofcalifornia.edu/>

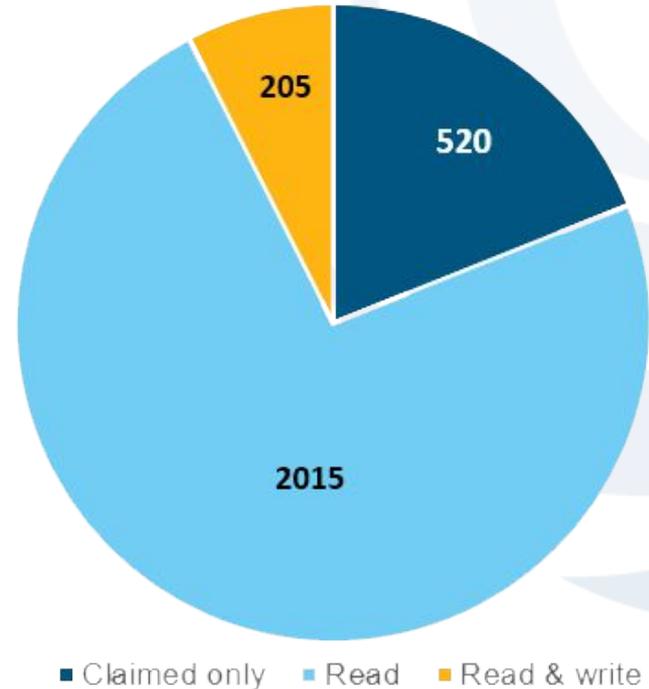
<b>Added</b> 2020-03-04	<b>Last modified</b> 2020-03-04
----------------------------	------------------------------------

Source: University of California Publication Management System ★ Preferred source

*Example affiliation:* <https://sandbox.orcid.org/0000-0002-1710-395X>

# UC ORCID iDs in Elements

Institution	Users	Claimed iDs	% Claimed
UC Berkeley	2508	247	9.8%
UC Davis	3097	339	10.9%
UC Irvine	3797	346	9.1%
UCLA	3793	335	8.8%
UC Merced	304	55	18.1%
UC Riverside	1260	147	11.7%
UC Santa Barbara	987	87	8.8%
UC Santa Cruz	898	70	7.8%
UC San Diego	2189	267	12.2%
UCSF	2257	236	10.5%
L. Berkeley Lab	1777	587	33.0%
RGPO (Non-UC)	1861	24	1.3%
<b>Total</b>	<b>24728</b>	<b>2740</b>	<b>11.1%</b>



# Thank you!

## eScholarship

<https://escholarship.org>

## UC Open Access Policies

<http://uc-oa.info>

## UC Publication Management System Support

<https://help.oapolicy.universityofcalifornia.edu>

## Questions? Comments? Contact:

Alainna Therese Wrigley

 <https://orcid.org/0000-0002-6138-0903>

[oapolicy-help@universityofcalifornia.edu](mailto:oapolicy-help@universityofcalifornia.edu)

