



Connecting Research
and Researchers

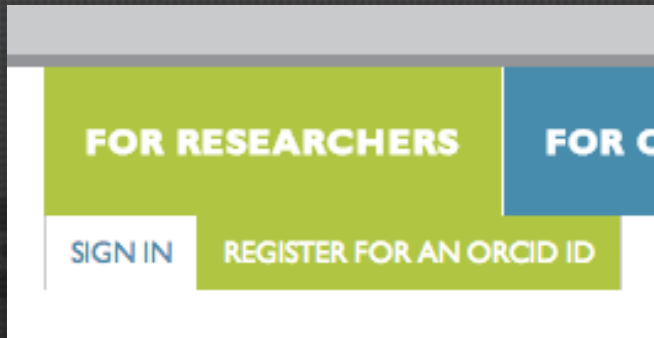
ORCID: Technical Introduction for CINECA

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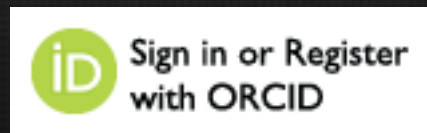
- ORCID Registry – User Perspective
- ORCID API Overview
- Example API Applications
- Support/Getting Started Resources

Register

Via the ORCID Website
<https://orcid.org/register>



Or as part of an integration
from another site



7 October 2015

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

* ?

First Name

Last name

Last Name

Email

*

Email

Password

* ?

Password

Confirm password

*

Default privacy for new works

 ?

Privacy &
Communications
Preferences

Notification Email

- Send me notifications about changes to my ORCID Record.
- Send me information about events ORCID is sponsoring and ORCID news.

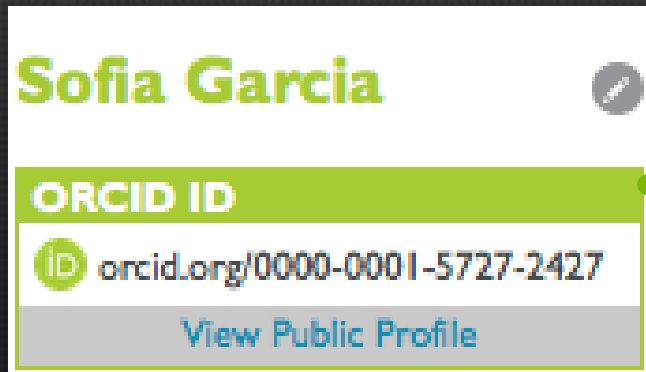
Terms of Use *

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



Welcome to the ORCID Registry!

- Verify your email address
- Here's your ORCID iD:



- Unique and persistent identifier
- 16-digit number
- Expressed as HTTP URI
- Compatible with ISO standard

Biographical data →

Sofia Maria Hernandez Garcia

ORCID ID
 orcid.org/0000-0001-5727-2427
 View Public Profile

Get a QR Code for your ID

Also known as:
 S. M. Garcia,
 Sofia Maria Garcia

Country:
 Testing and Support

Keywords:
 Testing and Support

Websites:
 Linked In
 Faculty Profile webpage

Other IDs:
 Profile system identifier A-123456
 Scopus Author ID 56030991900

Biography
 Sofia Maria Hernandez Garcia is used for testing and demonstrating how ORCID records work.

Education (1) + Add education | Sort

Universidad Politécnica de Madrid: Madrid, Madrid, ES
 2008-09 to 2012-05 | BA (Computer Science)
 SOURCE: Sofia Maria Hernandez Garcia | CREATED: 2015-01-20

Employment (1) + Add employment | Sort

ORCID: Bethesda, MD, US
 2012-10 to present | (Support & Testing)
 SOURCE: Sofia Maria Hernandez Garcia | CREATED: 2015-01-20

Funding (1) + Add funding | Sort

Grant for ORCID
 Wellcome Trust (London, United Kingdom)
 2014 to present | Grant
 SOURCE: Sofia Maria Hernandez Garcia | Preferred source

Works (3) + Add works | Bulk edit | Sort

CASRAI and ORCID: Putting the pieces together to collaboratively support the research community
 2014 | conference-paper
 DOI: 10.1016/j.procs.2014.06.045
 SOURCE: Sofia Maria Hernandez Garcia | Preferred source (of 3)

ORCID Annual Public Data File, 2013
 2013 | data-set
 DOI: 10.14454/07243.2013.001
 SOURCE: DataCite search and link | Preferred source

← Education data

← Employment data

← Funding data

← Works data

Biographical data

Add a
Description ↓

Include
Multiple →
Names

Biography

Sofia Maria Hernandez Garcia is used for testing and demonstrating how ORCID records work.

Cancel Save changes

First Name
Sofia

Last Name
Garcia

Published Name
Sofia Maria Hernandez Garcia

ORCID ID
ID orcid.org/0000-0001-5727-2427
View Public Profile

Get a QR Code for your iD

Also known as:
S. M. Garcia
Sofia Maria Garcia

Cancel Save changes

Education & Employment data

Organization
list from →
Ringgold
(an ISNI Registrar)

ADD EMPLOYMENT

Institution/employer

 *

- Orchid Chemicals and Pharmaceuticals Limited**
Chennai, Tamil Nadu, corporate/pharma
- ORCID**
Bethesda, MD, other/assoc
- Ministerio do Planejamento Orcamento e Gestao**
Brasilia, DF, govt
- Orchid Cellmark Inc**
Princeton, NJ, corporate/medsupport
- American Orchid Society**

Department

Role/title

Start date

Year Month Day

End date (leave blank if current)

Year Month Day

Funding Data

ADD FUNDING

Funding type: Grant *

Funding subtype: Funding subtype

Title of funded project: Add title *

Description: Add description + add translated title

Total funding amount: Add an amount

Start date: Year Month

End date (enter projected end date if current): Year Month

Role: What was your role?

FUNDING AGENCY

Funding agency name: wellcome Trust *

- Wellcome Trust**
null, pri/international *
- Burroughs Wellcome Fund**
NC, NC, pri/foundation *
- California Wellness Foundation**
CA, CA, pri/foundation *
- Pottstown Area Health and Wellness Foundation**
PA, PA, pri/foundation *
- Foundation for Women's Wellness**
CO, CO, pri/foundation *

Enter grant URL

Alternate URL: Add another

Add URL

Add to list Cancel

Funding agency
← list consistent
with FundRef

Search & link
Wizards ↓

LINK FUNDING

ÜberWizard for ORCID

Import your awarded grants from funders around the world - all in one easy-to-use wizard provided by ÜberResearch. The integrated and continuously-updated ÜberResearch grant data includes grants from funding organizations worldwide such as the NIH and NSF in the United States, the UK Research Councils and Wellcome Trust in the UK, the Austrian Research Council, and over fifty others. Add your grants to your ORCID record with a few simple clicks from the ÜberWizard for ORCID and simplify your data life!

Works Data

Classifications & metadata fields consistent w/CASRAI

Translated titles & language support

Structured citations in BibTeX

Search & Link Wizards:

- CrossRef Metadata Search
- Scopus
- Europe PubMed Central
- ResearcherID
- Modern Language Association
- DataCite Metadata Store
- ISNI number & ISBNs
- Ariti
- ANDS Registry

BibTeX import

Works Data

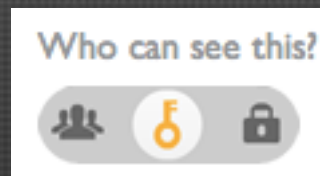
When the same work is added by multiple sources, the different versions are grouped together based on work identifier

The screenshot shows a web interface for an ORCID record. At the top, there are tabs for 'Sources' and 'Close sources', and a 'Preferred' label. Below this, a work entry is displayed with the title 'CASRAI and ORCID: Putting the pieces together to collaboratively support the research community', the year '2014 | conference-paper', and identifiers 'DOI: 10.1016/j.procs.2014.06.045, EID: 2-s2.0-84904471842'. A URL is also provided: 'http://www.scopus.com/inward/record.url?eid=2-s2.0-84904471842&partnerID=M...'. Below the work entry, there is a table of sources:

Source	Make preferred	Actions
Scopus to ORCID	<input type="checkbox"/>	
CrossRef Metadata Search	<input type="checkbox"/>	
Sofia Garcia	<input checked="" type="checkbox"/>	

Source information is captured for all items added to the record

Information in an ORCID Record has a privacy setting, which can be set by the account owner.



Accessible by :

PUBLIC



Anyone

LIMITED



Account Owner, Trusted
Organization(s)

PRIVATE



Account Owner

Account information (settings, permissions) is accessible by the account owner

Technologies:

REST interact w/API via HTTP calls

OAuth “3-legged” authorization process

XML/JSON data exchange

Accessing the API:

1. Client Credentials

Client ID/Client Secret (ORCID provides)

2. Software tools capable of making/receiving
HTTP calls cURL, custom applications PHP,
Python, Ruby, Java, etc

OR

2. IRIS

(provided by CINECA)

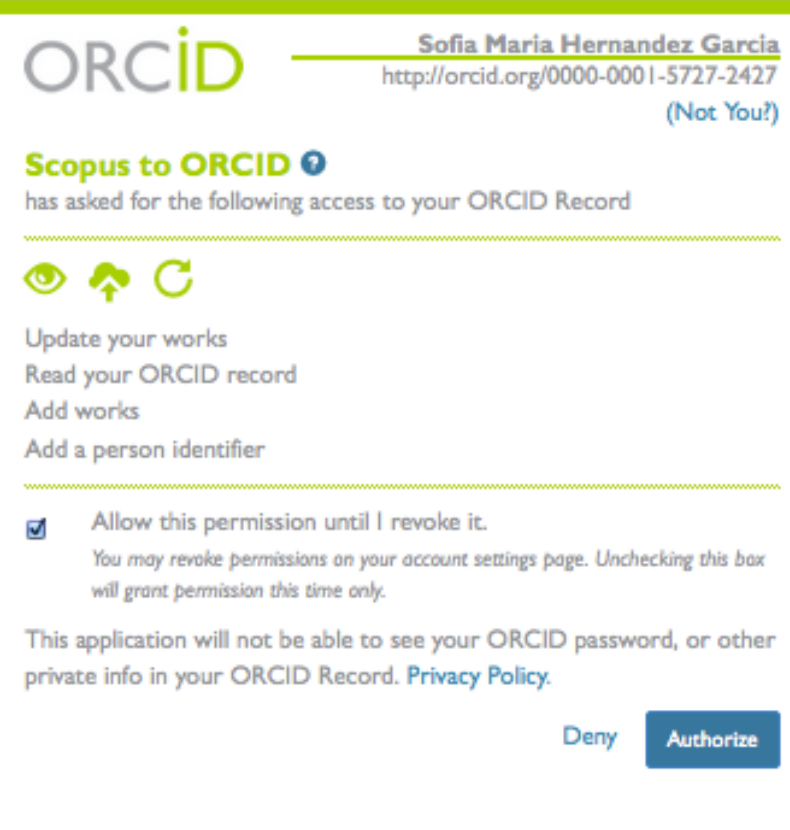
User: Follow a link to connect your system to their ORCID record (on the ORCID site, your website, or in an email message)

System: Send the user to the authorize URL

```
https://orcid.org/oauth/authorize?  
client_id=0000-0003-2996-8827&  
response_type=code&  
scope=/orcid-profile/read-limited&  
redirect_uri=https://yoursite.org
```






User: Authorizes the connection



The screenshot shows the ORCID authorization page for a user named Sofia Maria Hernandez Garcia. The page title is "Scopus to ORCID" and it lists the permissions being requested: "Update your works", "Read your ORCID record", "Add works", and "Add a person identifier". A checkbox is checked, indicating that the user allows the permission until it is revoked. The "Authorize" button is highlighted in blue.

ORCID **Sofia Maria Hernandez Garcia**
<http://orcid.org/0000-0001-5727-2427>
(Not You?)

Scopus to ORCID ?
has asked for the following access to your ORCID Record

Update your works
Read your ORCID record
Add works
Add a person identifier

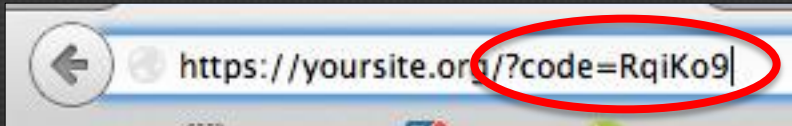
Allow this permission until I revoke it.
You may revoke permissions on your account settings page. Unchecking this box will grant permission this time only.

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

Deny **Authorize**

User: Directed to a page on your site that you choose (redirect URI)

System: Captures an authorization code appended to the redirect URI



User: **no action**

System: **Exchange the authorization code for an access token**

```
curl -i -L -H 'Accept: application/json' --data 'client_id=0000-0002-9189-9909&client_secret=719b5c31-5681-4dce-a317-ff1bc1e94277&grant_type=authorization_code&code=GU0yrC&redirect_uri=https://developers.google.com/oauthplayground' 'https://api.qa.orcid.org/oauth/token' -k
```

HTTP/1.1 200 OK

```
{"access_token":"0a3ac65f-f8a7-4257-b605-aff0ab37d464",  
  "token_type":"bearer",  
  "refresh_token":"16d75d2d-bb75-4087-8a01-685e5f03faf8",  
  "expires_in":631138518,  
  "scope":"/orcid-profile/read-limited",  
  "orcid":"0000-0003-4153-0078"}
```

User: **no action**













System: **Use the access token to read from/write to the user's ORCID record**

HTTP/1.1 200 OK

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<orcid-message xmlns="http://www.orcid.org/ns/orcid">
  <message-version>1.2_rc3</message-version>
  <orcid-profile type="user">
    <orcid-identifier>
      <uri>http://qa.orcid.org/0000-0003-4153-0078</uri>
      <path>0000-0003-4153-0078</path>
      <host>qa.orcid.org</host>
    </orcid-identifier>
    ...
```

The ORCID record is updated

▼ Works **Link Works** **Add Work Manually**

test 2011-01						
C9 H17 N3 O4,0.5(H2 O1) 2007						

A national agreement was signed by Cineca with ORCID to provide Membership Premium API to Higher Education and Research organizations

- Any HE institution based in Italy and not-for-profit research Institutions can join the consortium for free in 2015. Fee quotes for the following years will be communicated by the end of the year depending on number of subscriptions and availability of external contributions
- IRIS users that want to benefit of ORCID in their system have to subscribe a dedicated module IRIS OI. Membership fees for IRIS OI users will not be charged
- Non-IRIS users can subscribe the Cineca ORCID Hub (HOI) service to benefit of additional functionalities & services. Membership fees for HOI users will not be charged

It is an additional service provided by Cineca

- It provides REST webservice to integrate the claim/association process between all the applications connected with the Hub including “Sito docente – loginMIUR”. This webservice replaces the OAuth process in standard ORCID integration
- It provides immediate services to benefit of the premium ORCID API as the download of an xls report with Tax Number, ORCID ID & grant access token for all your researcher
- Download and update of information in ORCID for your researchers using xls files will be available by the end of

The additional module IRIS OI provides out-of-box integration with ORCID using the Membership Premium API

- Integrated claim and creation process of ORCID profiles with the Italian ORCID Hub
- [end 2015] Automatic synchronization of biography, publications and projects data from IRIS to ORCID
- [I Q. 2016] Pull information from ORCID in IRIS

Steps to build an integration

1. [Get credentials](#) for the ORCID Sandbox sandbox.orcid.org
2. Set up an integration on the sandbox
3. Work with ORCID staff to test your sandbox integration
4. Launch your integration in the live ORCID Registry

Search

Search for researchers by name, organization, DOI or other

<http://members.orcid.org/api/tutorial-searching-api-12-and-earlier>

Webhooks

Register to get a notification anytime a record you are watching is updated

<http://members.orcid.org/api/tutorial-webhooks>

Automatic updates from CrossRef

From	Subject	Date	<input type="checkbox"/> Show archived
> CrossRef	Request to add items	2015-09-15	
> CrossRef	Request to add items	2015-08-18	

Peer Review

▼ Peer review (6) + Add peer review ⇅ Sort

> review activity for [ORCID2\(6\)](#)



- Documentation & Examples
<http://members.orcid.org>
- ORCID API Users Google Group
- Cineca Italian Support
 - Help Desk IRIS (<https://customerportal.cineca.it>) / Assistenza LoginMIUR (assistenzamiur@cinca.it) / orcid@cinca.it (for institutional and contractual inquires)
 - FAQ - <https://wiki.u-gov.it/confluence/display/UGOVHELP/FAQ+ORCID>
 - Video Tutorials - <http://streaming.cineca.it/ORCID/>