ORCID Update
RDA UK / FREYA Workshop

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Tom Demeranville
Product Director
orcid.org/0000-0003-0902-4386

@tomdemeranville
@ORCID_Org

ORCID | Connecting Research and Researchers

15 Minutes

- ORCID
  - People make connections
- What's up at ORCID?
  - Demonstrating facility impact
  - Annotations and physical objects
  - Using ISSNs
  - Fetching work metadata
  - Funding workflows
  - Thoughts on readiness
  - How can we help integrators?

WHAT IS ORCID?

- ORCID is an open, not-for-profit organization run by and for the research community

- We provide researchers with a unique identifier, an ORCID iD, that reliably and clearly connects them with their research contributions, affiliations, funding & facilities

- Hundreds of systems have now integrated with ORCID (307 in europe!) – from grant application and manuscript submission to CRIS to repositories.

Mark Burnley
@DrMarkBurnley

⚙   👤+ Follow

"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

RETWEETS   LIKES
611   479

7:47 AM - 9 Feb 2016

Pub**Med**.gov | PubMed ⬍ |

US National Library of Medicine
National Institutes of Health

Advanced

Abstract ▾

Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).

Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adhihetty PJ, Adler SG, Agam G, Agarwal R, Aghi MK, Agnello M, Agostinis P, Aguilar PV, Aguirre-Ghiso J, Airoldi EM, Ait-Si-Ali S, Akematsu T, Akporiaye ET, Al-Rubeai M, Albaiceta GM, Albanese C, Albani D, Albert ML, Aldudo J, Algül H, Alirezaei M, Alloza I, Almasan A, Almonte-Beceril M, Alnemri ES, Alonso C, Altan-Bonnet N, Altieri DC, Alvarez S, Alvarez-Erviti L, Alves S, Amadoro G, Amano A, Amantini C, Ambrosio S, Amelio I, Amer AO, Amessou M, Amon A, An Z, Anania FA, Andersen SU, Andley UP, Andreadi CK, Andrieu-Abadie N, Anel A, Ann DK, Anoopkumar-Dukie S, Antonioli M, Aoki H, Apostolova N, Aquila S, Aquilano K, Araki K, Arama E, Aranda A, Araya J, Arcaro A, Arias E, Arimoto H, Ariosa AR, Armstrong JL, Arnould T, Arsov I, Asanuma K, Askanas V, Asselin E, Atarashi R, Atherton SS, Atkin JD, Attardi LD, Auberger P, Auburger G, Aurelian L, Autelli R, Avagliano L, Avantaggiati ML, Avrahami L, Awale S, Azad N, Bachetti T, Backer JM, Bae DH, Bae JS, Bae ON, Bae SH, Baehrecke EH, Baek SH, Baghdiguian S, Bagniewska-Zadworna A, Bai H, Bai J, Bai XY, Bailly Y, Balaji KN, Balduini W, Ballabio A, Balzan R, Banerjee R, Bánhegyi G, Bao H, Barbeau B, Barrachina MD, Barreiro E, Bartel B, Bartolomé A, Bassham DC, Bassi MT, Bast RC Jr, Basu A, Batista MT, Batoko H, Battino M, Bauckman K, Baumgarner BL, Bayer KU, Beale R, Beaulieu JF, Beck GR Jr, Becker C, Beckham JD, Bédard PA, Bednarski PJ, Begley TJ, Behl C, Behrends C, Behrens GM, Behrns KE, Bejarano E, Belaid A, Belleudi F, Bénard G, Berchem G, Bergamaschi D, Bergami M, Berkhout B, Berliocchi L, Bernard A, Bernard M, Bernassola F, Bertolotti A, Bess AS, Besteiro S, Bettuzzi S, Bhalla S, Bhattacharyya S, Bhutia SK, Biagosch C, Bianchi MW, Biard-Piechaczyk M, Billes V, Bincoletto C, Bingol B, Bird SW, Bitoun M, Bjedov I, Blackstone C, Blanc L, Blanco GA, Blomhoff HK, Boada-Romero E, Böckler S, Boes M, Boesze-Battaglia K, Boise LH, Bolino A, Boman A, Bonaldo P, Bordi M, Bosch J, Botana LM, Botti J, Bou G, Bouché M, Bouchecareilh M, Boucher MJ, Boulton ME, Bouret SG, Boya P, Boyer-Guittaut M, Bozhkov PV, Brady N, Braga VM, Brancolini C, Braus GH, Bravo-San Pedro JM, Brennan LA, Bresnick EH, Brest P, Ventura N, Ventura S, Veras PS, Verdier M, Vertessy BG, Viale A, Vidal M, Vieira H, Vierstra RD, Vigneswaran N, Vij N, Vila M, Villar M, Villar VH, Villarroya J, Vindis C, Viola G, Viscomi MT, Vitale G, Vogl DT, Voitsekhovskaja OV, von Haefen C, von Schwarzenberg K, Voth DE, Vouret-Craviari V, Vuori K, Vyas JM, Waeber C, Walker CL, Walker MJ, Walter J, Wan L, Wan X, Wang B, Wang C, Wang CY, Wang C, Wang C, Wang C, Wang D, Wang F, Wang F, Wang G, Wang HJ, Wang H, Wang HG, Wang H, Wang HD, Wang J, Wang J, Wang M, Wang MQ, Wang PY, Wang P, Wang RC, Wang S, Wang TF, Wang X, Wang XJ, Wang XW, Wang X, Wang X, Wang Y, Wang Y, Wang Y, Wang YJ, Wang Y, Wang Y, Wang YT, Wang Y, Wang ZN, Wappner P, Ward C, Ward DM, Warnes G, Watada H, Watanabe Y, Watase K, Weaver TE, Weekes CD, Wei J, Weide T, Weihl CC, Weindl G, Weis SN, Wen L, Wen X, Wen Y, Westermann B, Weyand CM, White AR, White E, Whitton JL, Whitworth AJ, Wiels J, Wild F, Wildenberg ME, Wileman T, Wilkinson DS, Wilkinson S, Willbold D, Williams C, Williams K, Williamson

JOINING IT ALL UP

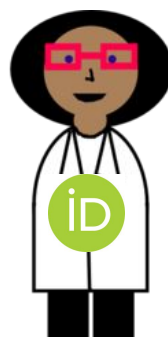Connecting persistent identifiers (PIDs) together lets you do powerful things

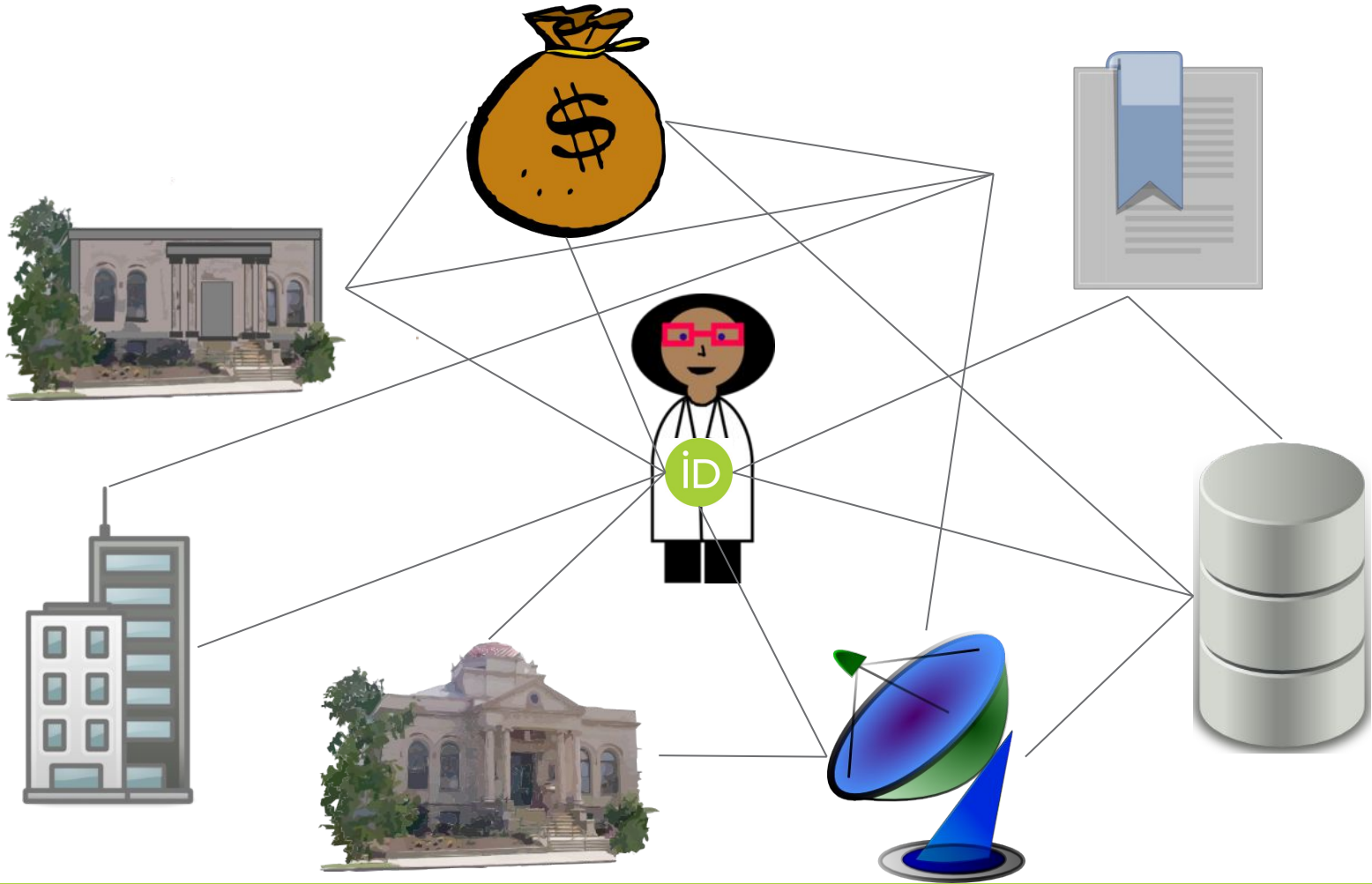Connections are made during regular researcher workflows

RESEARCHER ENABLED GRAPH

They can be involved at every step.

They help make the connections

CONNECTED INFRASTRUCTURE
(as illustrated by terrible clip art)

What are we working on?

(and a few discussion points)

Demonstrating facility impact

- Making accurate assessment of the scientific impact of public investments in research infrastructure is very difficult

- PIDs can help

- ORCID has workflows for adding resource proposals and awards to ORCID records and work metadata

- However, **we need PIDs for resources**

An example: EMSL

radAFM: Coupled radiation source/liquid-cell AFM to study radiation-induced interfacial processes

2017-07-01 to 2017-09-30

OTHER-ID: Project ID 118975

DOI: 10.25582/proj.2018.50416

Environmental Molecular Sciences Laboratory (Richland, WA, US)

Organization identifiers

GRID: grid.436923.9

Environmental Molecular Sciences Laboratory: Richland, Washington, US

http://www.emsl.pnnl.gov/emslweb/

Other organization identifiers provided by GRID

ISNI: 0000 0004 0373 6523

ORGREF: 19642725

WIKIDATA: Q5381141

Joint Genome Institute (Walnut Creek, CA, US)

Organization identifiers

GRID: grid.451309.a

Joint Genome Institute: Walnut Creek, California, US

http://jgi.doe.gov/

Other organization identifiers provided by GRID

ISNI: 0000 0004 0449 479X

WIKIDATA: Q3183039

Created

2018-10-16

Resource item	Type	Actions
EMSL Facility	infrastructures	show details
JGI Facility	infrastructures	show details

Source: Environmental Molecular Sciences Laboratory (EMSL)   Preferred source
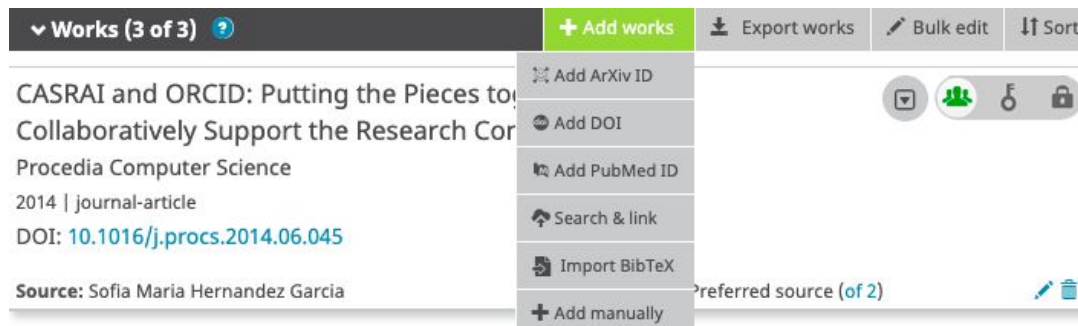
Annotations and physical objects

- There are emerging use cases for connecting annotations and physical objects to ORCID iDs

- Working with RDA Biodiversity Standards, Bloodhound, SciCrunch and more

- Support for both work types is on our roadmap and will be available before the next RDA plenary

Using ISSNs

- We've started ingesting ISSN metadata to help manage publication titles for peer review items

- Using the ISSN public JSON-LD API

- This has solved a real problem for us - devolving responsibility for name-id pairs to the ISSN registry

- Check out the API at https://portal.issn.org

Fetching work metadata

- Researchers can now pull metadata from PIDs when manually adding works to ORCID

- DOI, ArXiv, Pubmed all supported

- Thanks to the efforts of Datacite encouraging adoption of citeproc content!

Funder workflows

- Wellcome Trust ORCID integration now live!

- Autofills application forms

- Helps Wellcome assess and track the impact of grants, and also the impact grants have on careers

- A few teething problems with inconsistent work metadata from varied sources

Thoughts on readiness (an aside)

- Bibtex still exists. Oh yes. And it's popular

- A lot of workflows start with PIDs but end up with paper

- We must be mindful of bringing the community with us rather than charging ahead by ourselves

- We must make people aware of the gaps and gotchas of PIDs, as well as their utility

How can we help integrators?

- Telling people to "use the power of PIDs" doesn't always work:
    - Complex logic
    - Multiple standards / endpoints

- Should ORCID be fetching work metadata from the source (i.e. DOIs) and passing it on to users of it's own API?

- Does the PID graph have a role here?