



WHO'S WHO AND WHAT'S WHAT

HOW THEY CONNECT ENABLES REPORTING AND TRANSPARENCY

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Connections enable Reporting and Transparency

- Requires knowing it's the right person
- Requires knowing the person's funding
- Requires knowing the person's significant products
- Requires person IDs like ORCID
- Requires DOIs for grants, data, works and publications



What Does NIH Do to Enable Connections, Reporting, and Transparency?



NIH Systems are Person Centric and use Person Profiles

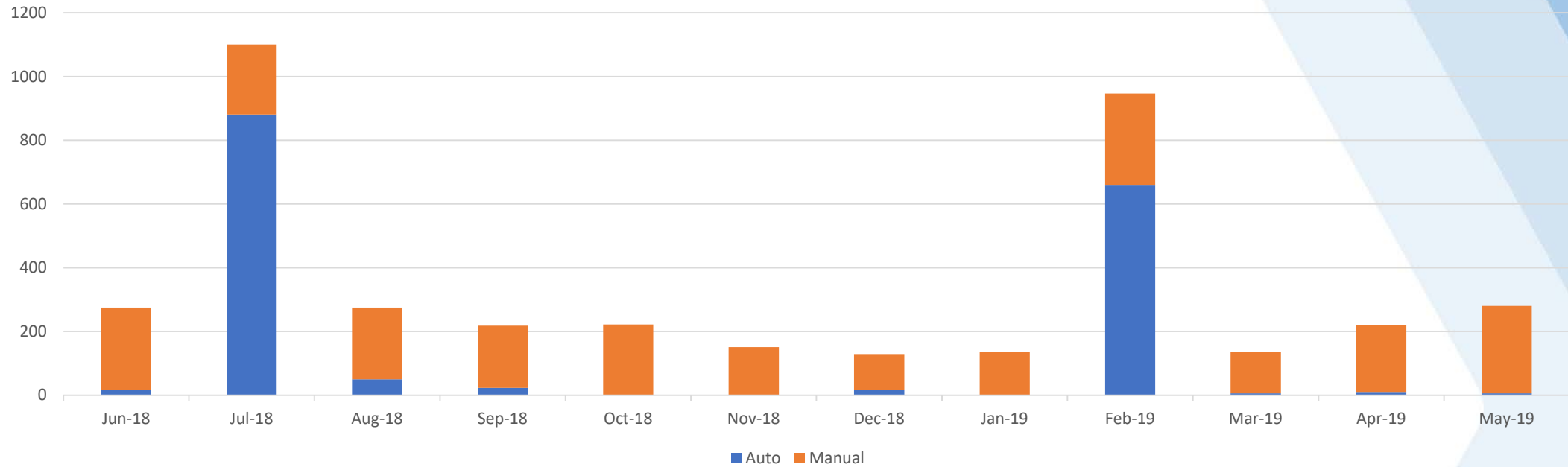
In FY2018, 76,731 unique Person Profiles are associated with 126,020 NIH applications and awards.

Same Last Name	# Person Profiles
WANG	557
CHEN	436
LI	401
LEE	399
ZHANG	383
LIU	343
SMITH	292
KIM	278
JOHNSON	219
WU	208
MILLER	207
YANG	202

Same First and Last Name	# Person Profiles
LI, xxx	9
CHEN, xxx	7
WANG, xxx	7
CHEN, xxx	6
LI, xxx	6
LI, xxx	6
LI, xxx	6
LI, xxx	6
ZHANG, xxx	6
ZHANG, xxx	6
ZHANG, xxx	6
LI, xxx	5



Duplicate Profile Collapses



Disambiguation of Profiles and Elimination of Duplicates

NIH has 840,322 distinct person profiles associated with the NIH eRA Commons. Credit and accountability depends on having one data collection per person. Identification of the correct person and the elimination of duplicates is a never ending task. Consistent use and collection of ORCID iDs would nearly eliminate this task.



Transparency Requires Knowing The Scientist, Her Grants, His Data and Their Publications



- NIH will:
 - Use ORCID iDs to uniquely identify scientists
 - Automatically upload public NIH grant information to awardees ORCID profiles once permission is obtained
 - Enable population of ORCID profiles with data from MyNCBI
 - Obtain DOIs for grants to make it easier to attribute funding to a grant



What is NIH Doing to Enable Transparency?

- NIH has:
 - Become a full ORCID Member
 - Is collecting ORCID iDs associated with person profiles
 - Is considering requiring ORCID iDs for trainees
 - Is working to be able to transfer grant award information to ORCID profiles
 - Is planning to obtain DOIs for NIH grants
- The benefits to the scientist:
 - Reduce the burden associated with recording their NIH grant in their ORCID profile
 - Reduce the burden associated with creating their biography in SciENcv
 - Use the grant DOI to acknowledge support via the publisher's capabilities to cite references
 - Use DOIs to more easily associate their products (software, data sets, publications) with their ORCID profile



WHO'S WHO AND WHAT'S WHAT REQUIRES CONNECTIONS

- Ensuring that it's the correct person is difficult
- Getting the right person is essential for credit, rigor and accountability
- With ORCID iDs and DOIs the right connections between scientists and their works are possible
- Enables NIH to:
 - Know about a scientist's complete body of work
 - Follow the entire life of a research effort
 - Easily determine who was funded and who deserves the credit



👉 **Google**



Microsoft 👉



👉 **Samsung**





QUESTIONS?

