RRIDs for Core Facilities & Instruments

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Edyta Vieth

RRIDs.org

Core Facilities Overview

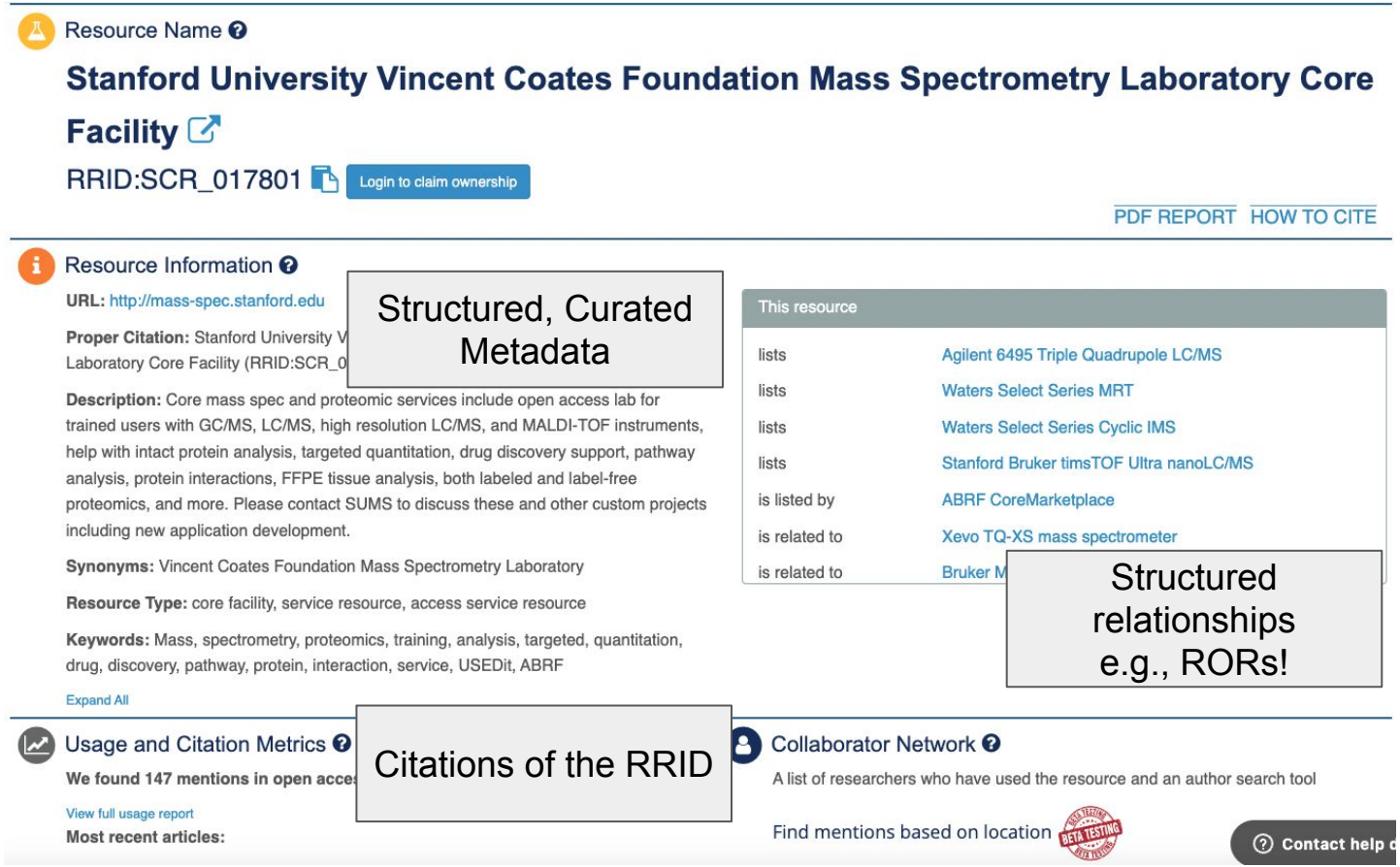
Total # of Cores in RRID portal
3198

Total Cores Cited
770

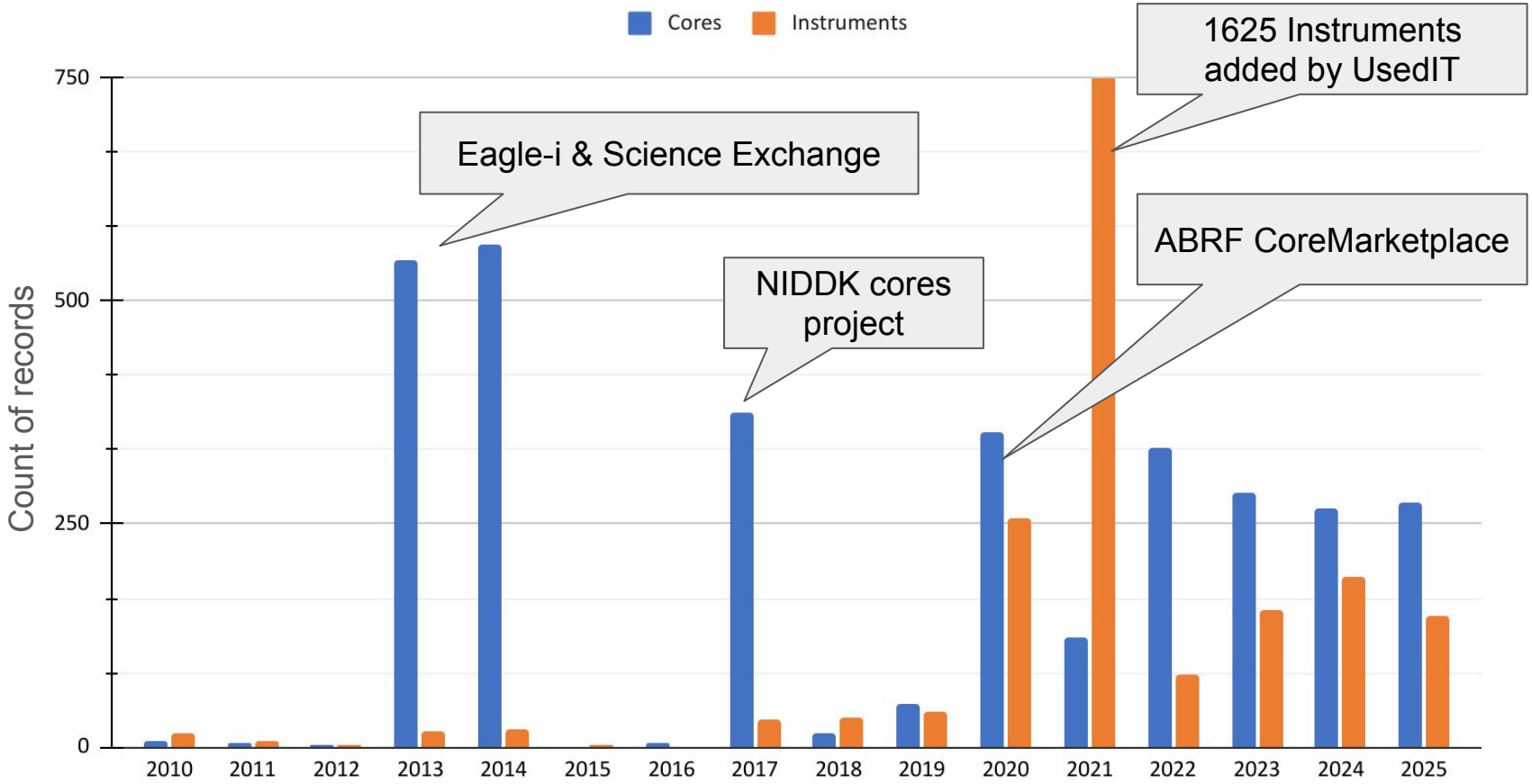
3,197 Results - 20 per page + Show More Colum

Resource Name	Proper Citation	Abbreviations	Resource Type	Description
Johns Hopkins Medical Institution Deep Sequencing and Microarray Core Facility Resource Report Resource Website 1+ mentions	Johns Hopkins Medical Institution Deep Sequencing and Microarray Core Facility (RRID:SCR_017172)	JHMI Deep Sequencing and Microarray Core Facility, JHMI Transcriptomics and Deep Sequencing Core	core facility, analysis service resource, software resource, production service resource, data analysis service, service resource, access service resource	Core provides assistance in NextGen sequencing, Third Gen Sequencing, Microarray, Nanostring, DNA, Chromatin and RNA shearing, and Data analysis for Hopkins and regional research community.
Indiana University School of Medicine Histology Core Facility Resource Report Resource Website 1+ mentions	Indiana University School of Medicine Histology Core Facility (RRID:SCR_011020)	IUSM Histology Core Facility, IUSM Histology Core	service resource, access service resource, core facility	THIS RESOURCE IS NO LONGER IN SERVICE. Documented on July 30,2024. The Histology Core of the Department of Anatomy and Cell Biology at the Indiana University School of Medicine provides histo ... [more]
QMUL BICM	QMUL BICM Pathology Core	BICM Pathology Core Facility, QMUL	service resource, access service re-	THIS RESOURCE IS NO LONGER IN

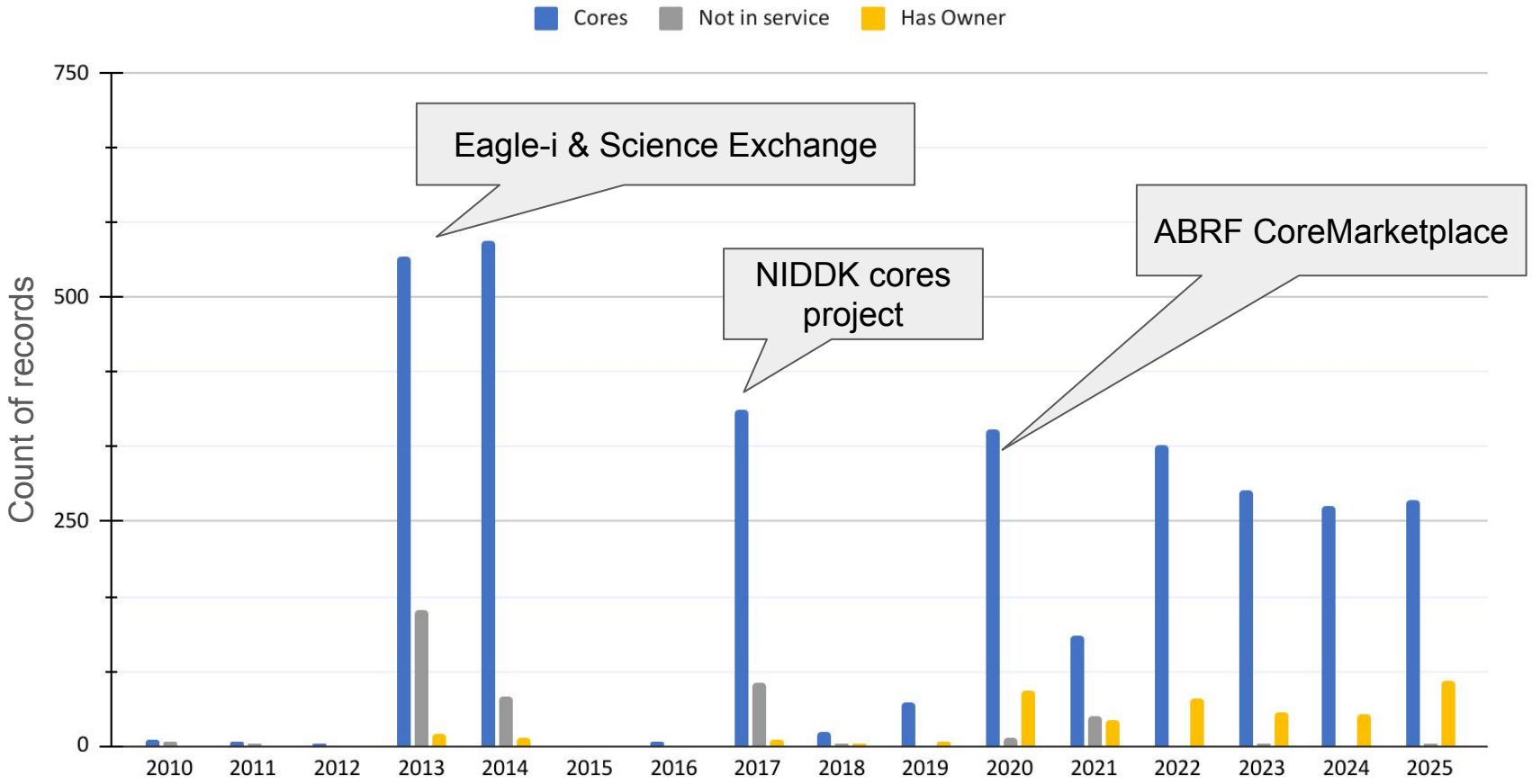
RRID page: consistent metadata, relationships, citations



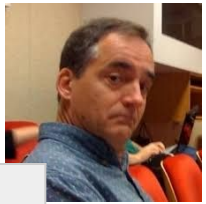
The number of Core Facilities and Instruments submitted to the registry per year



The status of Core Facilities submitted to the registry per year



RRID page: metadata completeness



Core Facilities	N= 3198
%Name	100
%Description	100
%URL	100
%Availability	47.31
%Keywords	82.83
%AltURL	54.06
%AltID	84.02
%Funding	18.17
%Cited	24.08
%Associated (e.g. ROR)	94.72
%Owners	10.19

Instruments	N= 2618
%Name	100
%Description	100
%URL	100
%Availability	81.32
%Keywords	98.82
%AltURL	18.37
%AltID	73.68
%Funding	1.11
%Cited	32.08
%Associated (e.g. ROR)	25.36
%Owners	1.72

What do we do with this?
%Name: text mining PMC
%Description
%URL: NER PMC
%Availability
%Keywords
%AltURL: NER PMC
%AltID: NER PMC
%Funding: NER PubMed
%Cited: Report
%Associated: Report
%Owners: Report to

46.4% ORCID

RRID page: metadata completeness

Core Facilities
%Name
%Description
%URL
%Availability
%Keywords
%AltURL
%AltID
%Funding
%Cited

RRID page: metadata completeness

Instruments
%Name
%Description
%URL
%Availability
%Keywords
%AltURL
%AltID
%Funding
%Cited

Why are cores coming consistently?

About the Core Marketplace

The CoreMarketplace (CM) is a searchable list of active core facilities. A Core, broadly defined, is a
performs scientific research. Research cores are often (but not always) part of a higher education

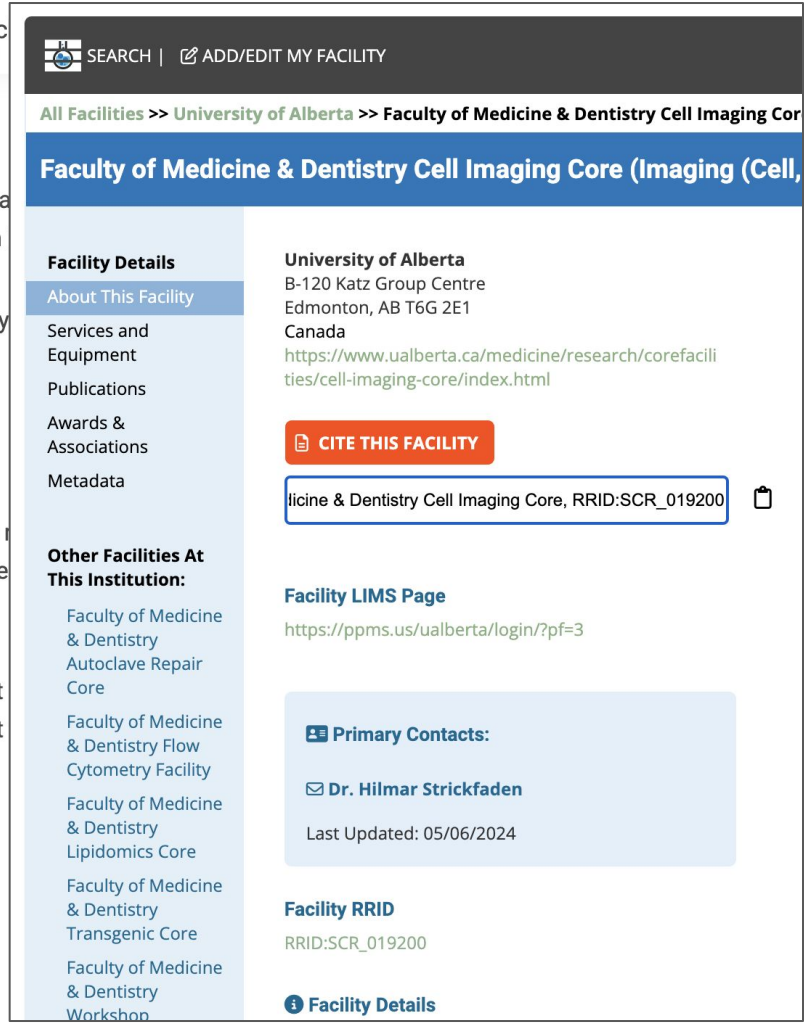
The purpose of the CM is to provide this directory of research facilities to the scientific community
research by highlighting citable resources within a listing for scientific publication.

RRIDS

The Research Resource Identification (RRID) Initiative seeks to identify all of the different parts to r
label each one with a unique, citable identifier. This RRID, when published, links directly back to the
component cited making it easier to identify and replicate research findings.

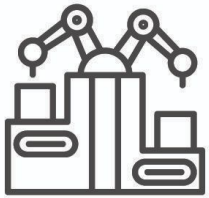
In the partnership wi own RRID tag that
publication citation b your facility to get
require to stay comp

What do you need to



Driving use case: Citation

Open Access PMC text mining accessible



not-PMC

Closed Access

RRID project checks:

- Names (NER)
- URLs (new / old)
- Known identifiers (RRID, DOIs etc)
- Grants **PubMed**

RRID project checks:

- Names
- URLs (new / old)
- Known identifiers RRID, DOIs etc)
- Paper Identity DOI

RRID project checks:

- Names
- URLs (new / old)
- Known identifiers RRID DOIs etc)
- Paper Identity DOI

n2t.net/RRID:SCR_022735 n2t.net/RRID:SCR_0022735.json

Resource Summary Report

New Search | Previous Search Results

Home / Resource Reports / Tools / Resource Summary Report

Resource Name

University of Pittsburgh Center for Research Computing Core Facility

RRID:SCR_022735 Login to claim ownership

Resource Information

URL: http://crc.pitt.edu

Proper Citation: University of Pittsburgh Center for Research Computing Core Facility (RRID:SCR_022735)

Description: Supports leading edge research with free access to advanced computing hardware and software.

Synonyms: Center for Research Computing

Resource Type: core facility, service resource, access service resource

Keywords: USEDit, ABRF, advanced computing hardware and software services

Expand All

This resource	
is listed by	ABRF CoreMarketplace
is related to	USEDit
has parent organization	University of Pittsburgh; Penn

ROR

Funding: NIH Office of the Director S10OD028483

Resource Name: University of Pittsburgh Center for Research Computing Core Facility

Resource ID: SCR_022735

Alternate IDs: ABRF_1544

Alternate URLs: https://coremarketplace.org/?FacilityID=1544&citation=1

Record Creation Time: 2022-09-12 10:01:50

Record Last Update: 2025-09-18 11:10:58

Usage and Citation Metrics

We found 146 mentions in open access literature.

View full usage report

Most recent articles:

Zou J, et al. (2024) Mutual information for detecting multi-class biomarkers when integrating multiple bulk or single-cell transcriptomic studies. bioRxiv : the preprint server for biology. (PMID:38915481)

City

n2t.net/RRID:SCR_017272 n2t.net/RRID:SCR_017272.json

Resource Summary Report

New Search | Previous Search Results

Home / Resource Reports / Tools / Resource Summary Report

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All Mentions (146 mentions) [Download Mentions]

First Previous 1 2 Next Last Page 1 of 2 (1 ~ 100

Guo ZC, et al. (2024) Reduced neural distinctiveness of speech preprint server for biolog
-- ; Center for Research Computing, **RRID:SCR_022735** (NSI

Santini T, et al. (2024) Investigating microstructural changes betwee and perfused ex vivo marmoset brains using oscillating gradient an resonance in medicine . (PMID:39323069)
-- ; Center for Research Computing (**RRID:SCR_022735**), through the resources provide [Verified RRID]

Bertocci MA, et al. (2024) Neural markers of mania that distingui e with other psychopath
-- ; Center for Research Computing, **RRID:SCR_022735**, thro

Miranda O, et al. (2024) DeepBiomarker2: Prediction of Alcohol and Sub Disorder Risk in Post-Traumatic Stress Disorder Patients U Determinants of Health. Journal of personalized medicine , 14 (1) . (PMID:38248795)
--

DePoy LM, et al. (2024) Adolescent circadian rhythm disruption increases reward and risk-taking. Frontiers in neuroscience , 18 , 1478508. (PM
--

Yates ME, et al. (2024) ESR1 Fusions Invoke Breast Cancer Subtype-Dependent Enrichment of Ligand-Independent Oncogenic Signatures and
-- ; Center for Research Computing, **RRID:SCR_022735**, through the resources provided [Verified RRID]

Patty BJ, et al. (2024) H3.3K122A results in a neomorphic phenotype in mouse embryonic stem cells. Epigenetics & chromatin , 17 (1) , 32. (PM
--

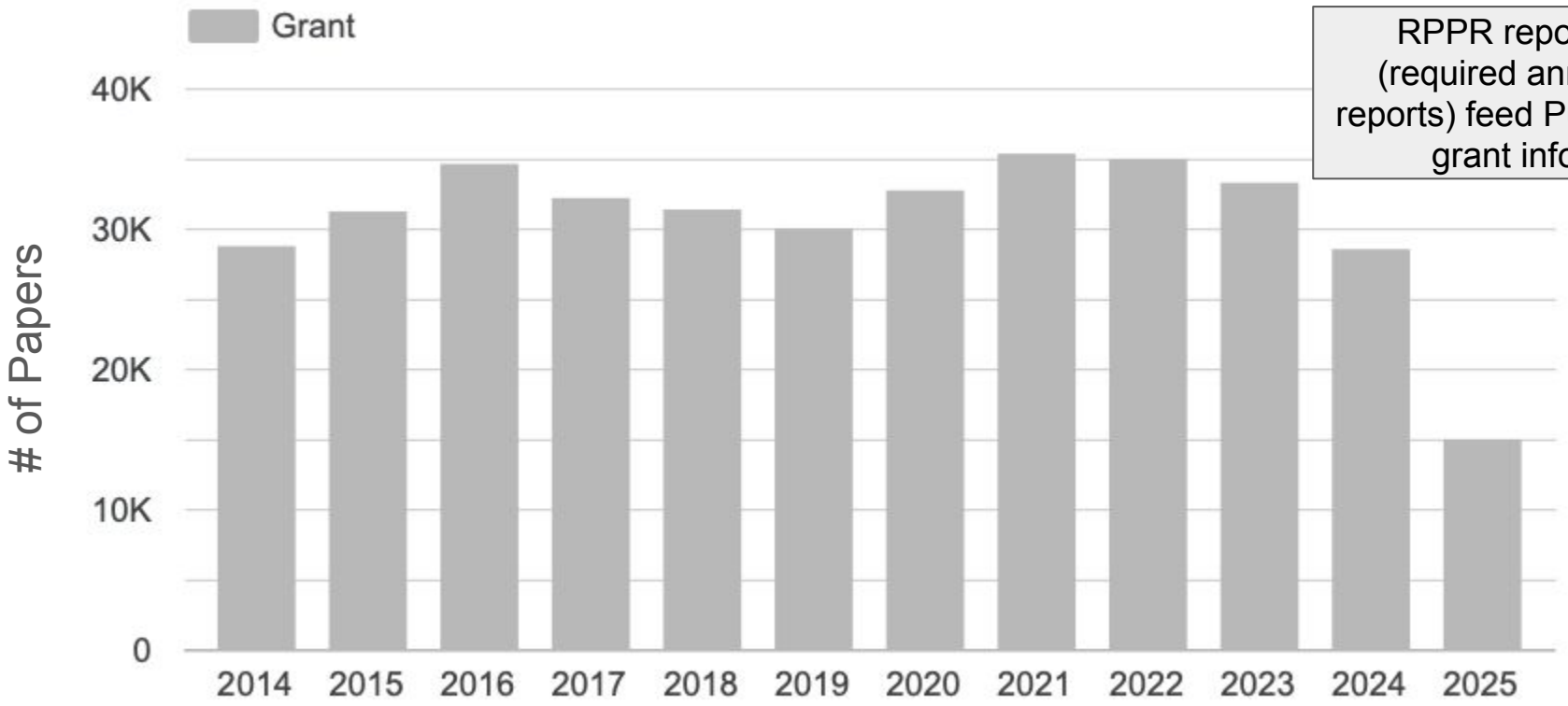
Lee S, et al. (2024) Cancer-cell derived S100A11 promotes macrophage recruitment in ER+ breast cancer. Oncoimmunology , 13 (1) , 2429186.
-- ; Center for Research Computing, [**RRID:SCR_022735**], through the resources provide [Verified RRID]

Wang LJ, et al. (2024) shinyDeepDR: A user-friendly R Shiny app for predicting anti-cancer drug response using deep learning. Patterns (New Y

Author used RRID

Author used Grant#

PubMed Grant information from 476 Core Facilities

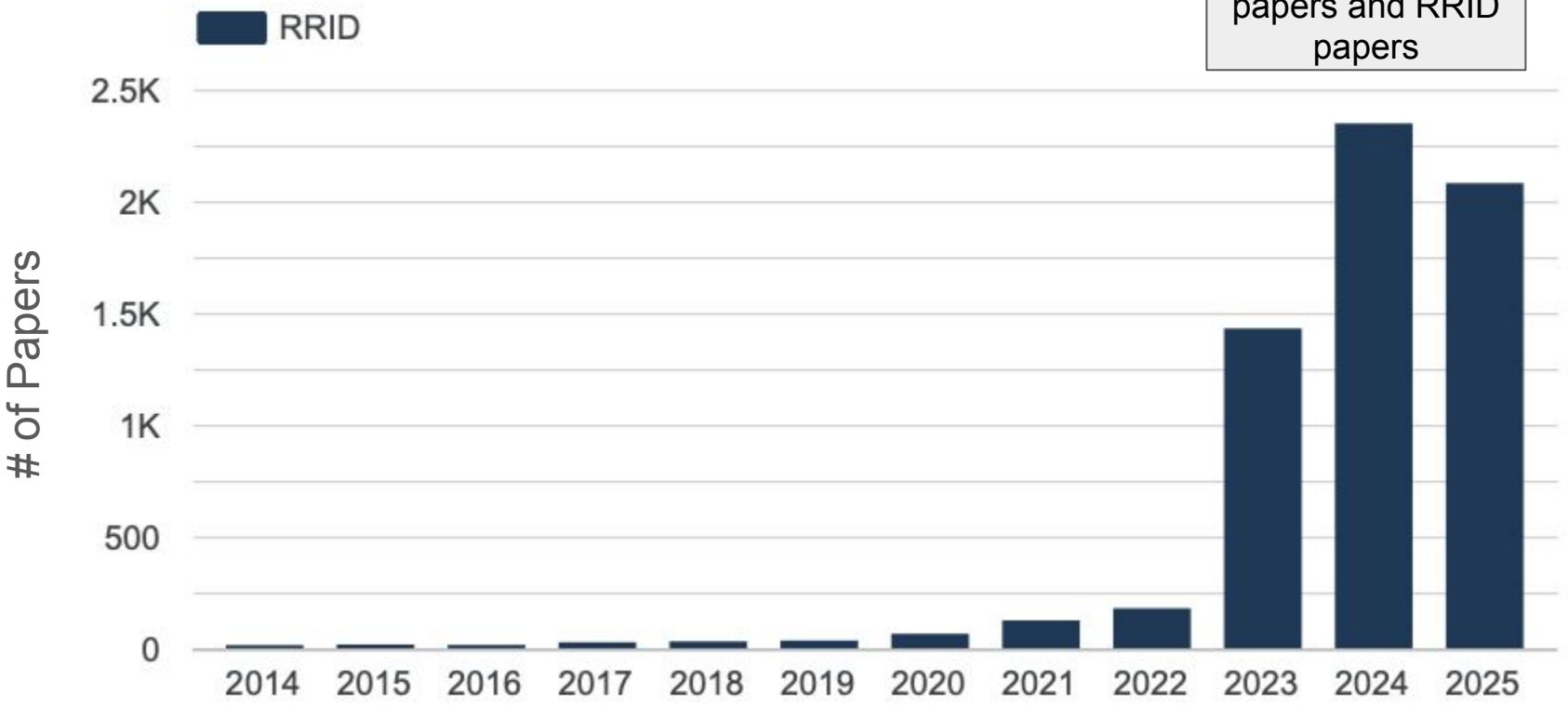


RPPR reports (required annual reports) feed PubMed grant info

Not yet released to public RRID portal

RRID information from 758 Core Facilities

68 core facilities have both grant papers and RRID papers



FAIR Data Informatics -> FDI Lab says: Use RRIDs!

Core Facilities/Instruments Curation Rules

7 - 25 - 2025

SciCrunch guidelines for assigning RRIDs to instruments

- Instrument name
- Vendor/manufacturer URL
- Instrument manual or brochure in PDF format

The general rule is that each instrument must have its own unique URL and a manual or brochure in PDF format in order to receive a separate RRID.

Due to the instability of instrument URLs, we have updated our approach and now require the instrument manual or brochure in PDF format whenever possible.

We convert this URL into a stable version to ensure long-term access.

SciCrunch guidelines for assigning RRIDs to instruments used in core facilities:

A. RRID Guidelines

RRIDs are intended to include the things that the NIH lists as being Key Biological Resources, which can vary from lab to lab and tend to cause the most problems with reproducing experiments. RRIDs can help with experiment reproducibility when they are used in scientific papers for citation reasons.

To obtain an RRID for an instrument, the following information must be provided:

- Instrument name
- Vendor/manufacturer URL
- Instrument manual or brochure in PDF format

1. When the vendor URL is not available for older equipment, we can use the core facility's URL during registration.
2. If a brochure or manual cannot be found, please ensure that the instrument description includes the model number, manufacturer name, and brand name.
3. Different configurations of the same instrument should be described within a single entry on the core facility's instrument page.
4. If an instrument has been specifically modified by the core and significantly differs from the original manufacturer's design, it may be assigned a separate RRID. In such cases, the RRID should reference the core facility URL.
5. If the instrument was developed by the core facility, it may be assigned an RRID using a GitHub repository URL or a publication link as the reference (examples from OpenBehavior (RRID:SCR_015938) tools:

   a. RatHeadphones (RRID:SCR_023667), https://scicrunch.org/resolver/RRID:SCR_023667, https://edspace.american.edu/openbehavior/project/ratphones/

B. Core–Instrument Relationships

We can relate cores with instruments to reflect core's equipment by relationships: “uses”, “is used by”, “has organization facet”

C. The issue of company acquisitions

The issue of inconsistent instrument naming is less significant once the instrument has an RRID and a specification URL. The RRID ensures reliable identification and can be used to search for the instrument in the literature, while the specification URL provides access to the brochure or manual, helping to avoid confusion about the manufacturer, brand, and model number. In the absence of a manual or brochure, the manufacturer name, brand, and model number must be clearly included in the resource description when submitting a request for an RRID.

D. For all SciCrunch cores the core facility managers would have to apply for core facility ownership to be able to edit the information about the resource on SciCrunch website.

Edits will be accepted after they are checked for curation standards.
We can relate cores with instruments to reflect core's equipment on the core website.
Different configurations of the same instrument should be clearly described in the resource details on both the core’s institutional webpage and its SciCrunch Registry page. This should be tracked by core managers and include all changes on the core website and in the SciCrunch Registry resource website.

To claim ownership of the existing resource to do edits the steps below should be followed:

0. Create an account at SciCrunch
1. Make sure that you are Logged in
2. Go to the resource page that you wish to own
3. Click on the button " claim ownership"
4. You should see a box that says give some proof paper etc that you are the owner.
5. Claim then goes to our curators and after checking proof we approve it.
6. After approval you will have access to do updates.

Example of instrument curation for cores - it involved correspondence with core facility contact person

Icahn School of Medicine at Mount Sinai Microscopy and Advanced Bioimaging Core Facility, RRID:SCR_027237

https://docs.google.com/spreadsheets/d/1hraczNsqf7XBOL8FmSfuQEUl9tKG5dGdWI1g-owcqIw/edit?gid=0#gid=0

	A	B	C	D	E	
1	**RRID**	**Notes**	**Relation to the SCR_027237 core**	**Instrument name**	**Vendor/manufacturer URL**	**Instrument manual or brochure in PI**
2	**RRID:SCR_027225**		**has organization facet**	Andor Dragonfly 620 system	https://icahn.mssm.edu/research/resources/deans	https://drive.google.com/file/d/1qdledga
3	RRID:SCR_027226		uses	Leica TCS SP8 with AOBS	https://downloads.leica-microsystems.com/TCS%20	https://drive.google.com/file/d/14x0o7ol
4	**RRID:SCR_027227**		**has organization facet**	Leica TCS SP8 system - Icahn Buil	https://icahn.mssm.edu/research/resources/deans	https://drive.google.com/file/d/14x0o7ol
5	**RRID:SCR_027228**		**has organization facet**	Leica Stellaris 8 - Atran system	https://icahn.mssm.edu/research/resources/deans	https://drive.google.com/file/d/1wRBOe
6		**The same document from Google Drive cannot have two different F**		Leica Stellaris 8 - 619	**https://icahn.mssm.edu/research/resources/de**	**https://drive.google.com/file/d/17PXI**
7	RRID:SCR_026672	**If the setup differs significantly fr**	uses	Leica DMi8	https://www.leica-microsystems.com/products/ligh	https://drive.google.com/file/d/1oOc0M
8	RRID:SCR_018856	**If the setup differs significantly fr**	uses	Zeiss Axio Imager Z2	https://www.micro-shop.zeiss.com/en/no/system/a	https://drive.google.com/file/d/15YX1u9
9	**RRID:SCR_027233**		**has organization facet**	Zeiss Axio Imager.Z2(M)	https://icahn.mssm.edu/research/resources/deans	https://drive.google.com/file/d/15YX1u9
10	RRID:SCR_025048	**If the setup differs significantly fr**	uses	Zeiss LSM980 Airyscan 2	https://raw.githubusercontent.com/SciCrunch/RRI	https://drive.google.com/file/d/1wvrgBm
11	RRID:SCR_027234	**If the setup differs significantly fr**	uses	Olympus FVMPE-RS	https://raw.githubusercontent.com/SciCrunch/RRI	https://drive.google.com/file/d/1OyKUFI
12	RRID:SCR_018612	**If the setup differs significantly fr**	uses	Olympus MVX10	https://www.olympus-lifescience.com/en/microsco	https://drive.google.com/file/d/1D6SxNu
13	RRID:SCR_027238	**If the setup differs significantly fr**	uses	LaVision UltraMicroscope II	https://raw.githubusercontent.com/SciCrunch/RRI	https://drive.google.com/file/d/1MqfEEq
14	RRID:SCR_027239	**If the setup differs significantly fr**	uses	LifeCanvas SmartSPIM	https://lifecanvastech.com/wp-content/uploads/20	https://drive.google.com/file/d/1V1e-zq

Example of instrument curation for cores

Conclusion letter sent to the core contact person:

I provided RRIDs for most instruments except the Leica Stellaris 8 - 619, as it is listed in the same document as another microscope. I couldn’t find any additional information about this instrument. Since the document is from Google Drive and will be converted to PDF, it cannot have two different RRIDs, so a temporary URL is not an option in this case.

Four instruments were accepted as specific to your core (with the relationship “has organization facet”) using your core URL as the instrument URL and the information you provided in the Google Doc, which was converted to a stable URL and used as "Specification URL" on this resource SciCrunch page.

The remaining instruments were marked as being used by your facility. Different configurations of the same instrument should be documented within a single entry on the core facility’s instrument page.
However, if an instrument has been significantly modified by your core and differs notably from the manufacturer’s original design, it may qualify for a separate RRID. In such cases, the instrument URL should point to the core facility URL, and the instrument image along with a detailed description of the system should be included on the core website.

Please ensure that the RRIDs for both the core and its instruments are clearly displayed on the core’s webpage so they can be easily cited by users