coremarketplace.org

The CoreMarketplace:

What it is, and how it increases your core's visibility in the research environment

Nate Herzog
Project Lead
nsherzog@uvm.edu

CoreMarketplace Purpose:

“To raise visibility of Cores, their capabilities, and their roles in research”

CoreMarketplace Population:

719 Active Core Facilities Listed

201 Different Institutions Worldwide

12+ Countries

CORE MARKETPLACE

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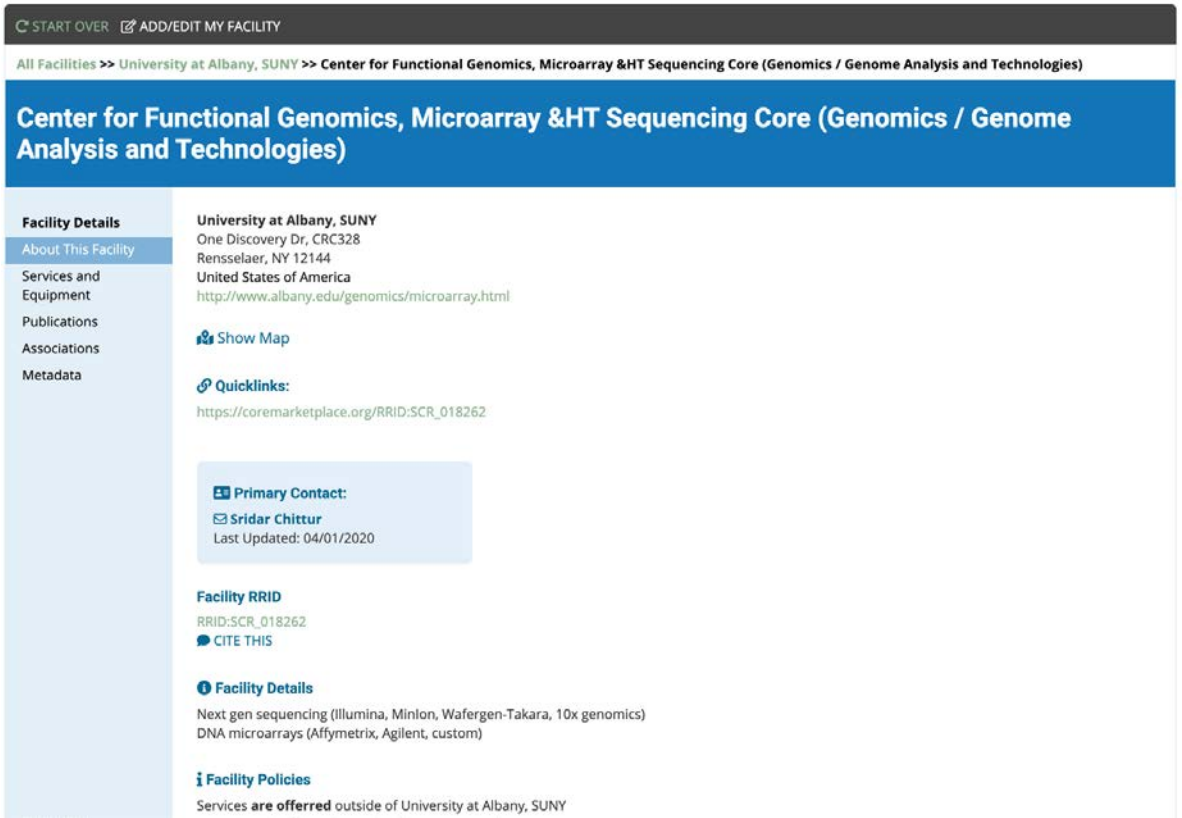
WHAT DOES IT DO? (View)



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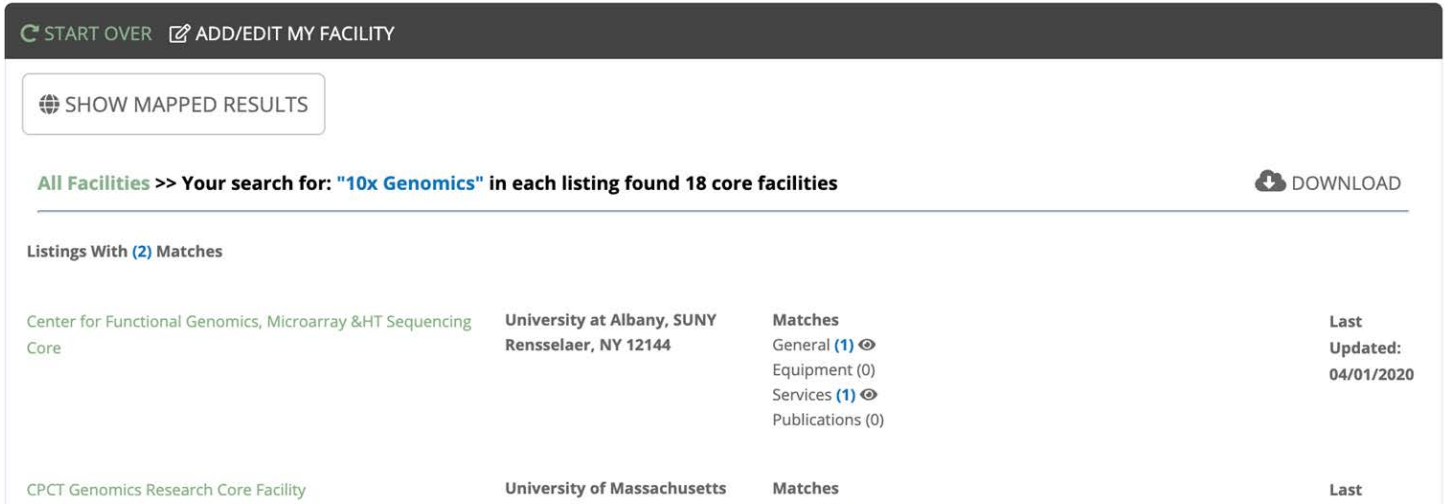
WHAT DOES IT DO? (Search)



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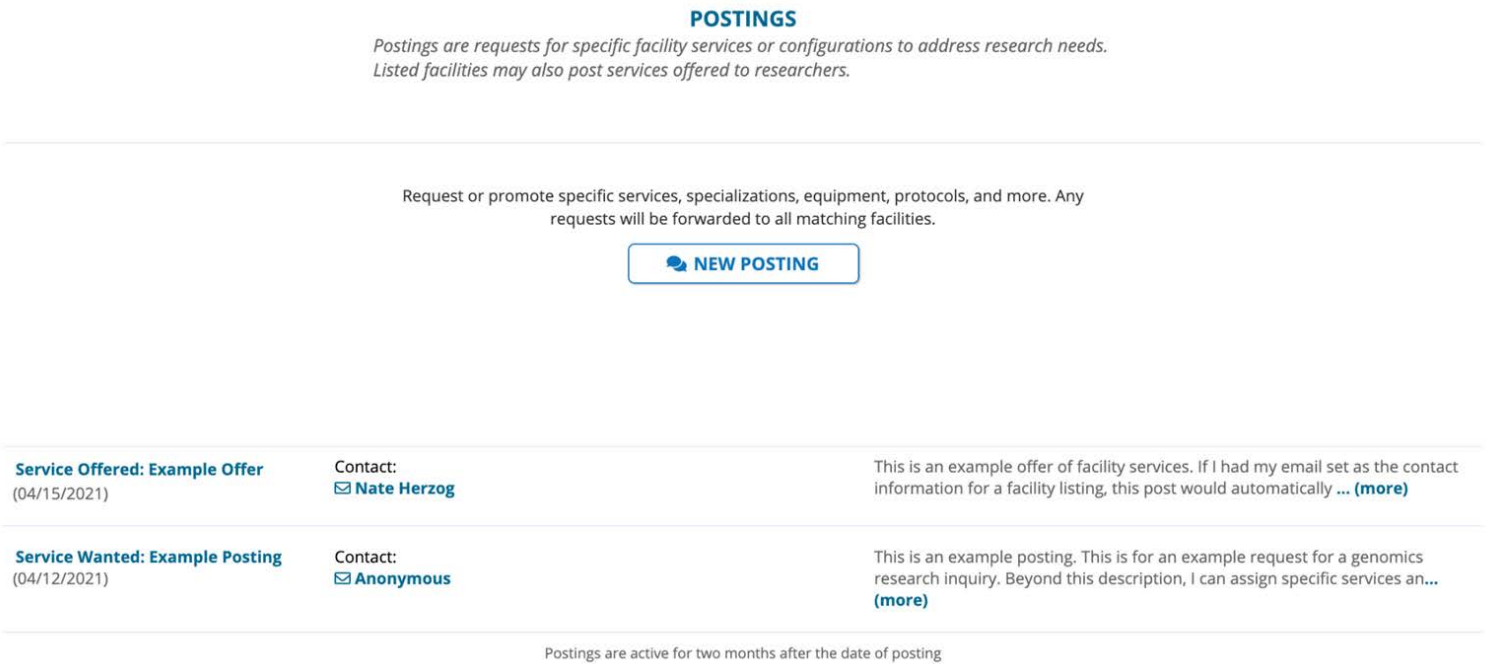
WHAT DOES IT DO? (Postings)



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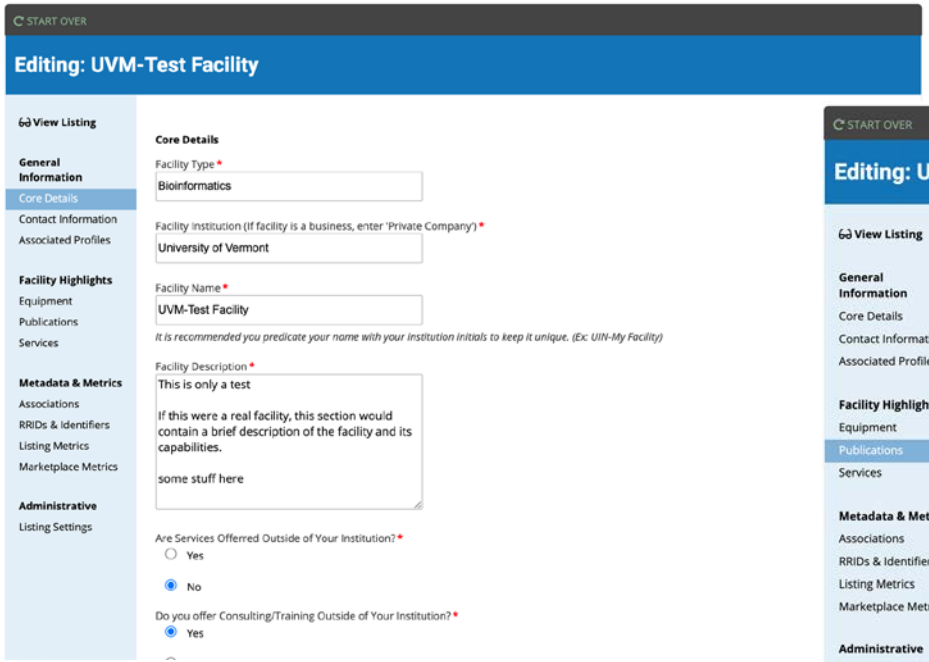
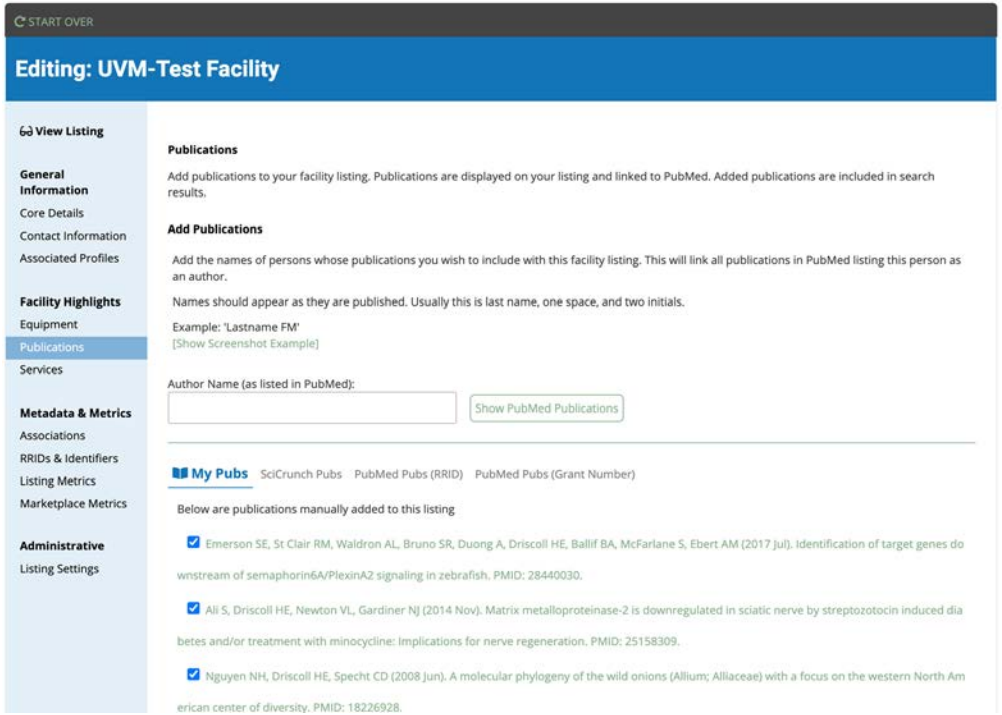
WHAT DOES IT DO? (Edit)





CORE MARKETPLACE

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FINDING YOUR CORE

Multiple Doors To Your Listing

SEARCH

(you are here)

SciCrunch

Associated Websites

Google

SEARCH ENGINES

PubMed

RRID

API

CUSTOM CODE

CORE MARKETPLACE

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MY CORE ISN'T AVAILABLE

Everything (and more) that wants to find your core listing

Research/
Researchers

(you are here)

SciCrunch

Research/Science
Websites

Google

The
Internet

API

Your Institutions

PubMed

Publications

CORE MARKETPLACE

PubMed Publications

coremarketplace.org

RRIDs, as well as creating visibility, are the tools for facility citations in publications

RRID = One tag that represents all your facility information, capabilities, and specialties

RRIDs more and more are required by publications to accurately cite research elements

RRID citations means it's much easier for your core to accurately get cited for participating in research

RRIDs create a link between an article and your core listing

Anatomy of the RRID syntax

Company or Service Provider

Vermont Advanced Computing Core (VACC), Date Accessed, RRID:SCR_017762

Global Unique Persistent Identifier

CORE MARKETPLACE

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WHAT CAN YOU DO?

1. List Your Facility

2. Keep Your Listing Updated

3. Join the ABRF CoreMarketplace working group.

Email: nsherzog@uvm.edu

RRID syntax for a core facility

Vermont Advanced Computing Core (VACC), Date Accessed, RRID:SCR_017762

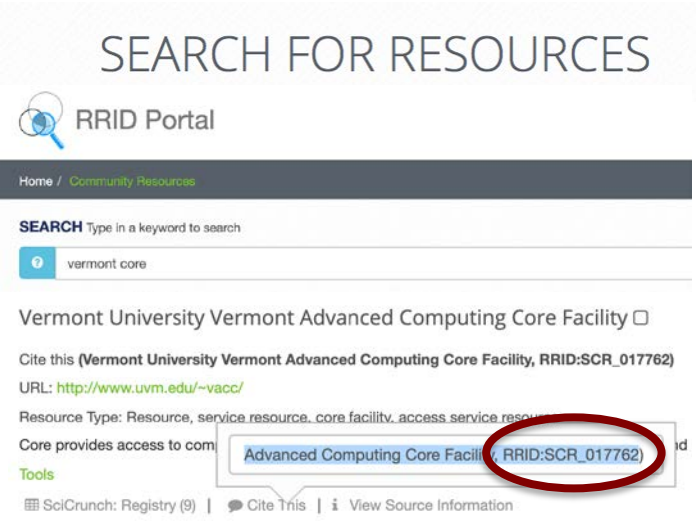
Company or Service Provider

Global Unique Persistent Identifier

Questions: abandrowski@ ucsd.edu

RRID Author's Workflow

http://rrid.site



RRID portal includes:
Antibodies 2.5M
Organisms 600K (>25 centers)
Cell lines 120K
Plasmids (Addgene)
BioSamples
Core facilities, software tools, instruments

Journal directs author to RRID portal

↓

Author searches for a resource

↓

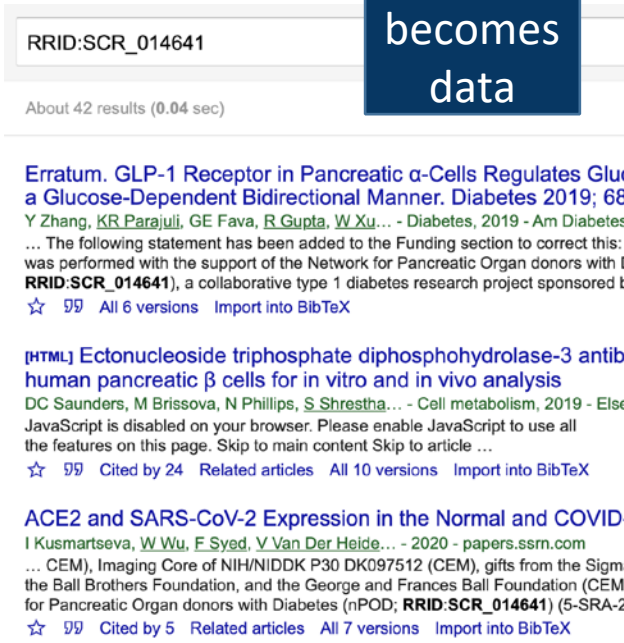
Author copies "Cite This" text into manuscript

↓

Paper is published

→

Paper becomes data



Journal Workflow

eLife

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eLife. 2016; 5: e14862.
doi: 10.7554/eLife.14862

ELKS controls the pool of readily releasable
synapses through its N-terminal coiled-coil

ELKS2, which are both present at inhibitory active zones.

In the long-term, it will be important to understand how the synapse-specific r
control of RRP and P contribute to circuit function. Human genetic experimer
mutations in *ERC1*/ELKS1 may contribute to autism spectrum disorders (Silv
2014), and it is possible that the pathophysiology arises from synapse-specif
misregulation of neurotransmitter release.

Materials and methods

Mouse lines

All experiments using mice were performed accordin onal guidelin
Harvard University. Conditional double knockou ice that remove th
ELKS1α/2α proteins were generated by cross onal knockout mice fo
([Liu et al., 2014] RRID:IMSR_JAX:015830) a *Erc2* ([Kaeser et al., 2009]
RRID:IMSR_JAX:015831) genes. ELKS1α/2α cDKO mice were maintained a
homozygote line.

Generation of antibodies

ELKS2α specific antibodies were raised in rabbits using an ELKS2 peptide
(^{109}LSHTDVLSYTDQ^{120}). Peptides were synthesized and conjugated to keyh
hemocynanin (KLH) via an N-terminal cysteine residue. Rabbits were inoculat
Cocalico Biologicals with KLH-conjugated ELKS2 peptides and given booster
every two weeks, and bleeds were collected every three weeks. Sera were scree
protein samples harvested from cultured neurons, brain homogenate, and transf

Resolver

The Jackson Laboratory

STOCK *Erc1* $^{tm2.1Sud}$/J

MOUSE STRAIN DATASHEET - 015830

Email Dow

Typically mice
Service

OVERVIEW DETAILS GENETICS DISEASE/PHENOTYPE TECHNICAL SUPPORT PRICING & AVAILABILITY

Details

Detailed Description

A 5'UTR exon and the first coding exon of the *Erc1* (ELKS/RAB6-interacting/CAST family member 1; ELKS1, CA
these floxed mutant mice. Mice that are homozygous for this floxed allele are viable, fertile, normal in size and
behavioral abnormalities. Normal expression of the targeted gene is demonstrated by the floxed allele.

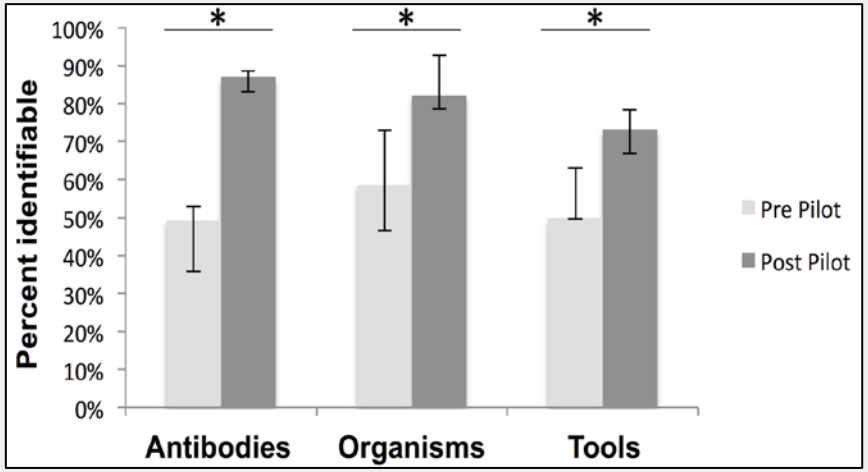
Development

Control Suggestions

Selected References

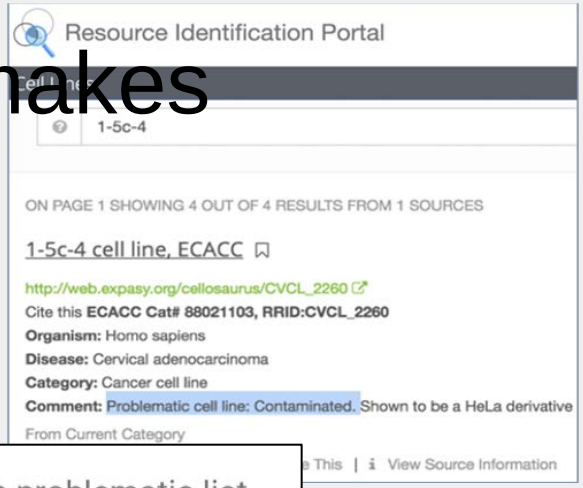
Genetics

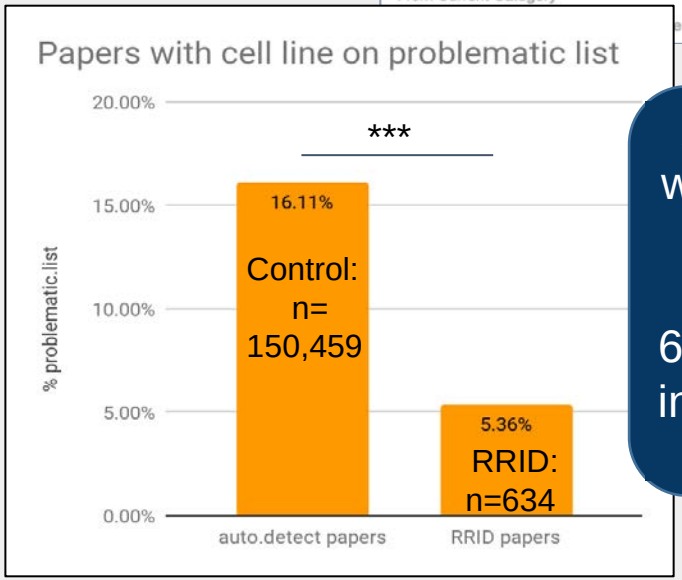
Using identifiers for resources makes better (more reproducible) papers



Bandrowski et al, 2015a,b,c,d

RRID = 40% increase in reagent findability





Babic et al, eLife, 2019

Authors see warning about cell lines = 66% decrease in naughty cell lines

Resource Identification Initiative

PUBLICATIONS

Search...

http://aacrjournals.org/improv-reprod
https://www.nature.com/nature-research/editorial-policies/reporting-standards

American Association for Cancer Research

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RRID found in >1200 journals
Requested in >250, including:
Nature, Science, Cell, & eLife

Improving Reproducibility

To improve the reproducibility of published research articles, authors ar
studies. These details include: identifiers for the reagents and tools use
point in time, addition of this information is strongly encouraged, but no

Research Resource Identifiers (RRIDs)

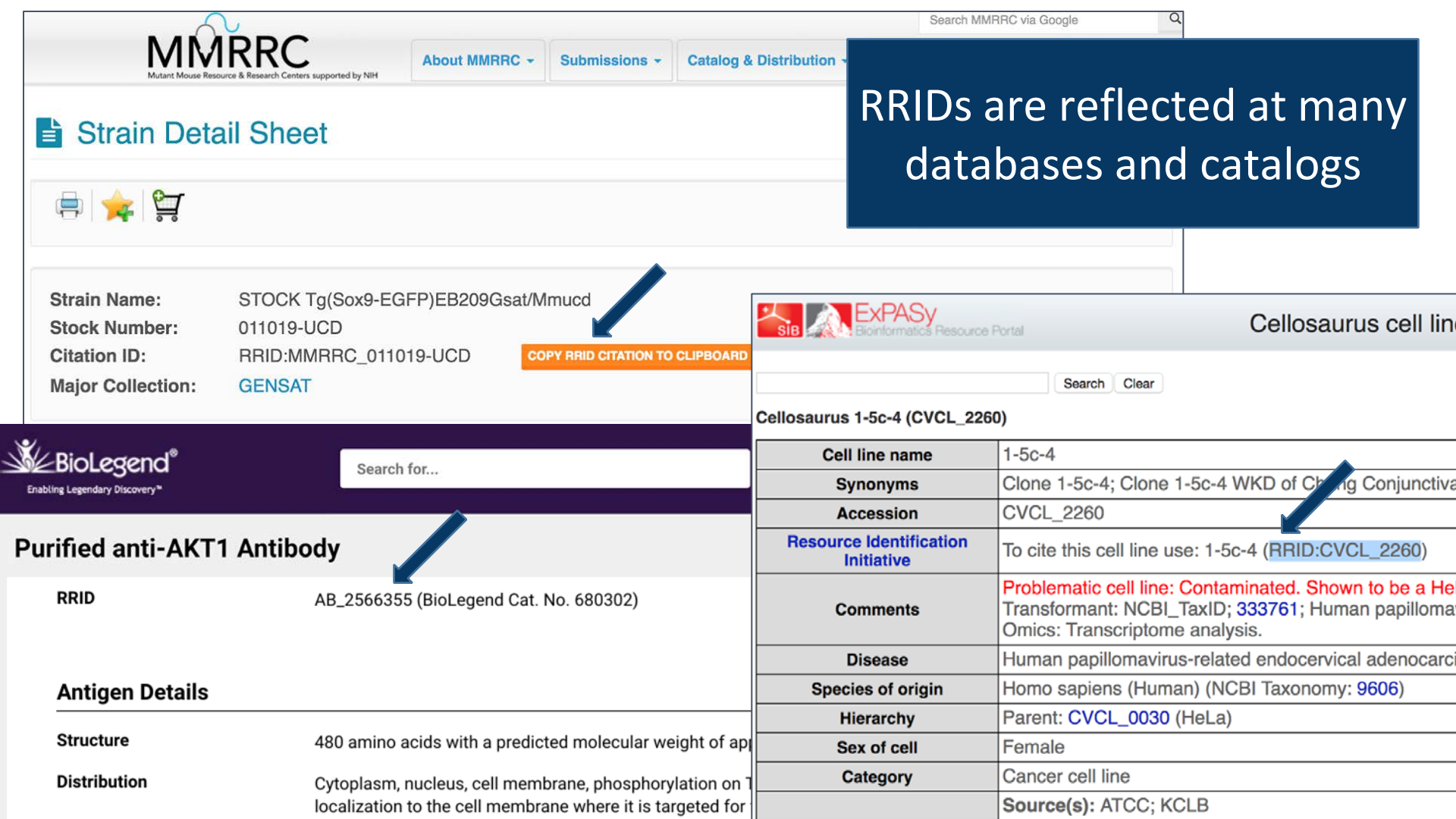
To uniquely identify critical biological reagents and software tools report
AACR asks its authors to include unique searchable Research Resourc
Initiative. In addition to uniquely identifying each reagent and tool, these
search engines to return all articles in which a resource was used. We
methods and providing critical data to help researchers identify suitable
in their manuscripts.

How to find an RRID

To obtain an RRID please visit the **Resource Identification Portal** and
searching are provided below.

nature res

Nature Research supports the Resource Identification
the aim of promoting unique, persistent identification
key biological resources, including antibodies, cell line
organisms and tools. We encourage authors to include
identifiers provided by the Resource Identification Por
example, Antibody: RRID:AB_2140114; Organism:
RRID:MGI_MGI:3840442), in the manuscript. More info
how to include listed RRIDs or generate new RRIDs ca
the Resource Identification Portal.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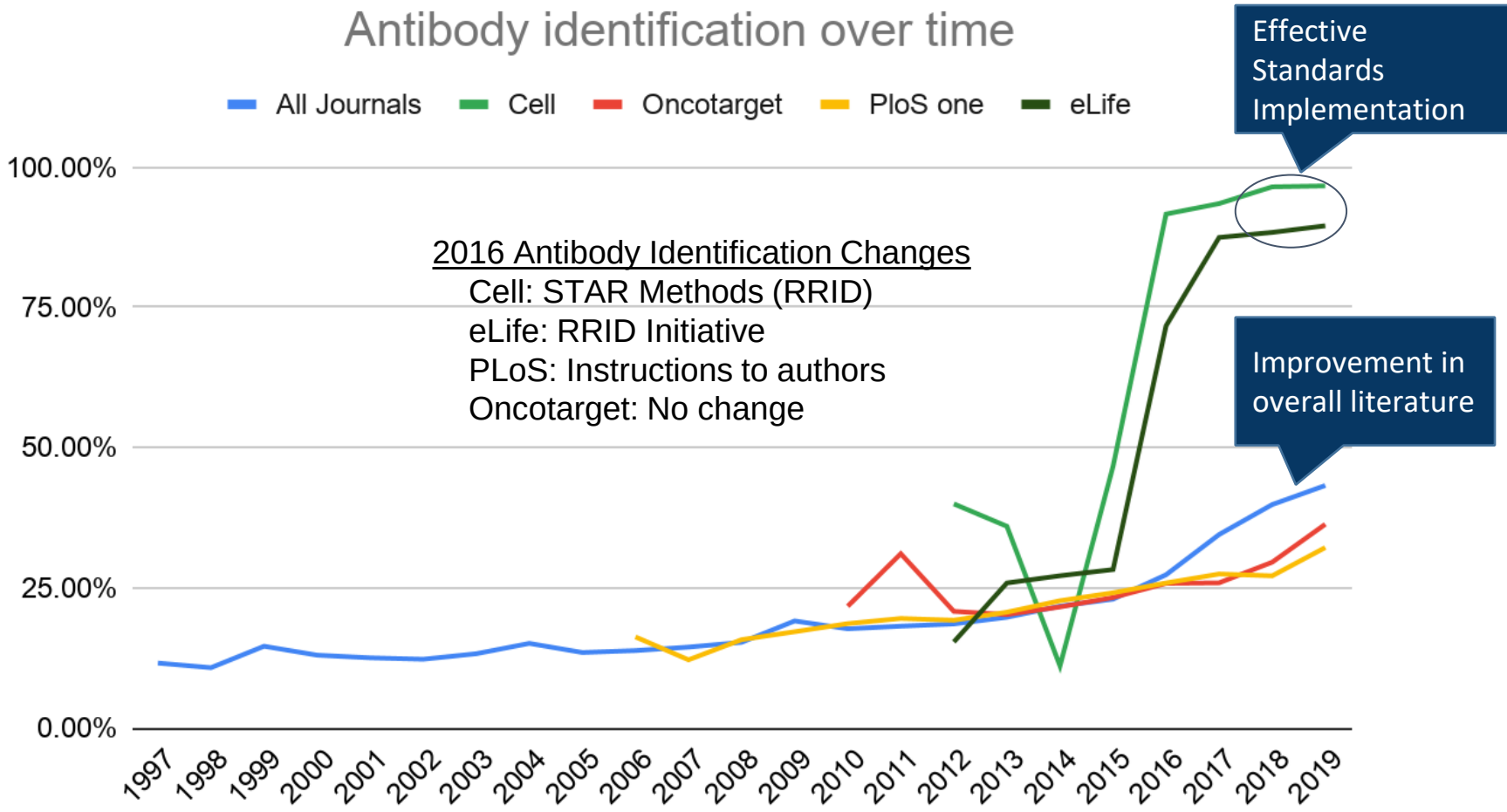
RRIDs are reflected at many databases and catalogs
BioLegend
Enabling Legendary Discovery™
Search for...
Purified anti-AKT1 Antibody
RRID
AB_2566355 (BioLegend Cat. No. 680302)
Antigen Details
Structure
480 amino acids with a predicted molecular weight of ap
Distribution
Cytoplasm, nucleus, cell membrane, phosphorylation on T
localization to the cell membrane where it is targeted for
ExPASy
Bioinformatics Resource Portal
Cellosaurus cell lin
Search
Clear
Cellosaurus 1-5c-4 (CVCL_2260)
Cell line name
1-5c-4
Synonyms
Clone 1-5c-4; Clone 1-5c-4 WKD of Ch ng Conjunctiva
Accession
CVCL_2260
Resource Identification Initiative
To cite this cell line use: 1-5c-4 (RRID:CVCL_2260)
Comments
Problematic cell line: Contaminated. Shown to be a He
Transformant: NCBI_TaxID; 333761; Human papilloma
Omics: Transcriptome analysis.
Disease
Human papillomavirus-related endocervical adenocarci
Species of origin
Homo sapiens (Human) (NCBI Taxonomy: 9606)
Hierarchy
Parent: CVCL_0030 (HeLa)
Sex of cell
Female
Category
Cancer cell line
Source(s): ATCC; KCLB



https://www.nature.com/articles/d41586-020-00104-6

Menke et al., iScience, 2020

So why would you want to use the RRID?

A story with data

Some facilities make the citation by RRID very

Browse Catalog ▾ Deposit ▾ Education

How to cite this plasmid (Back to top ⬆)

These plasmids were created by your colleagues. Please acknowledge the Principal Investigator, cite the article in which the plasmids were described, and include Addgene in the Materials and Methods of your future publications.

For your **Materials & Methods** section:

pMIG was a gift from William Hahn (Addgene plasmid # 9044 ; http://n2t.net/addgene:9044 ; RRID:Addgene_9044)

nature

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nature > articles > article

1. Author uses RRID
2. Paper is published
3. RRID Robot “reads”
4. PMID<>RRID Data is made public (available to use)

Article | Published: 11 November 2020

Decoding myofibroblast origins in human kidney fibrosis

Christoph Kuppe, Mahmoud

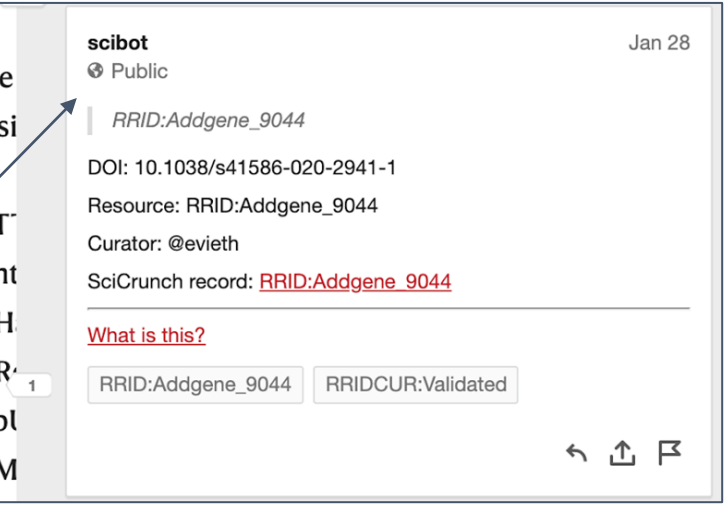
Nature **589**, 281–286(2021)

16k Accesses | **3** Citations

Abstract

Lentiviral overexpression of *NKD2*

The human cDNA of *NKD2* was PCR amplified using the
3′ and 5′-CTAGGACGGGTGGAAGTGGT-3′. Restriction si
into the PCR product using the primer 5′-
CACTCGAGGCCACCATGTACCCATACGATGTTCCAGAT
ACGGAATTCCTAGGACGGGTGGAAGTG-3′. Subsequent
EcoRI and cloned into pMIG (pMIG was a gift from W. H
http://n2t.net/addgene:9044; RRID:Addgene_9044). R
transfection in combination with packaging plasmid pL
plasmid 8449) and pseudotyping plasmid pMD2.G (pM



Plasmid Name

pMIG

RRID:Addgene_9044

RRID<>PMID data is used in the RRID system, available to CrossRef, Stratocore, and Core Marketplace

Plasmid Information

URL: http://www.addgene.org/9044

Proper Citation: RRID:Addgene_

Bacterial Resistance: Ampicillin

Comments: Excised IRES hGFP-
resistance gene (pac) in process.
WRE element. The WRE element
sequence reference.

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Usage and Citation Metrics

We found 2 mentions in open access literature.

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Most recent articles:

Amir M, et al. (2018) REV-ERBα Regulates T17 Cell Development and Autoimmunity. Cell reports, 25(13), 3733-3749.e8. (PMID:30590045)

Braun CJ, et al. (2017) Coordinated Splicing of Regulatory Detained Introns within Oncogenic Transcripts Creates an Exploitable Vulnerability in Malignant Glioma. Cancer cell, 32(4), 411-426.e11. (PMID:28966034)

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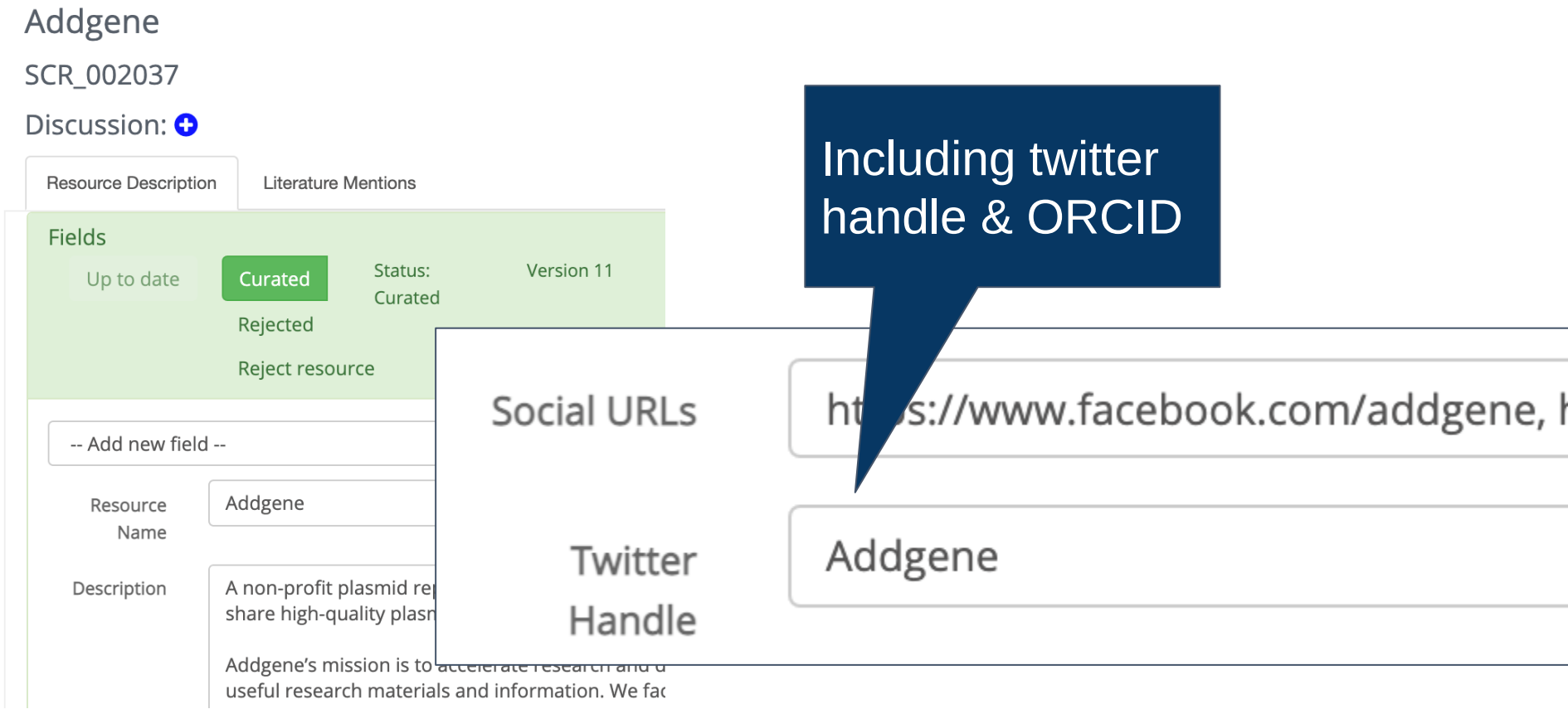
Crossref

Addgene is fully registered with RRID syste



nature

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nature > articles > article

RRID Robot tweets to Addgene and authors notified via AltMetrics

Article | Published

Decoding fibrosis

Christoph Kuppe,

Nature **589**, 281–

16k Accesses | **3**

Abstract

Decoding myofibroblast origins in human kidney fibrosis

Overview of attention for article published in Nature, November 2020

About this Attention Score

In the top 5% of all research

SUMMARY | News | Blogs | Twitter | Facebook | Wikipedia | Re

So far, Altmetric has seen **218** tweets from **168** users, with an upper bound of **2,561,502** follower

Showing items 1–100

RRID Robot
@RobotRrid

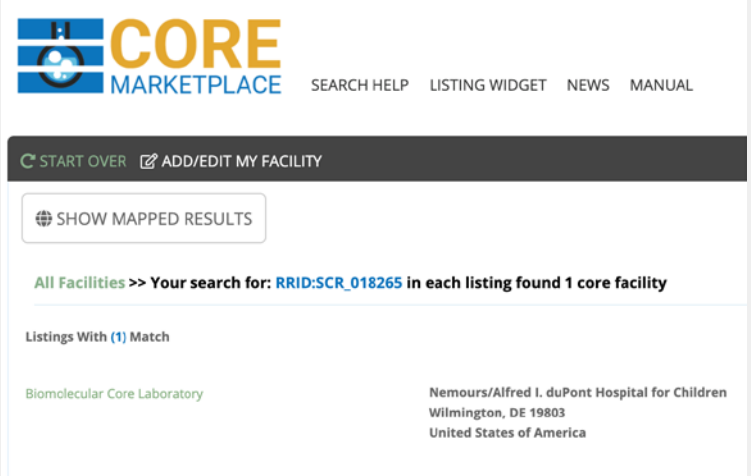
A paper using RRID:Addgene_12259 (from @Addgene) was just published in Nature, see "
in human kidney fib..." (https://t.co/8gBEvn6jHM): https://t.co/FGfvBw2C4p. Thank you for
#ReproducibleResearch

31 Jan 2021

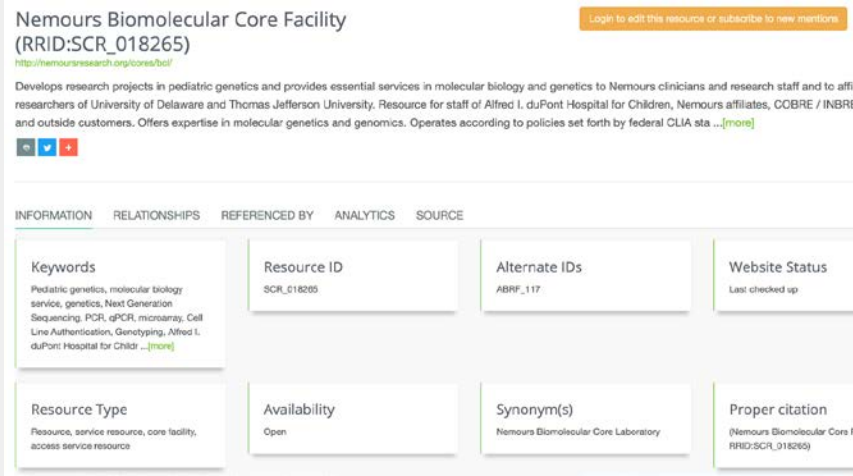
Our goal for Core Facilities

CORE MARKETPLACE ⟷ RRID

We are or will be sharing information to reduce your workload (enter the data in one system and it populates relevant info in others)



⟷



Make citing your core easy!

Dear Sally,
Blah blah blah
Sincerely,

Using our core facility? Please cite Network for Pancreatic Organ Donors with Diabetes (RRID:SCR_014641) in your manuscript.

protocols.io

Immunofluorescence staining protocol for co-staining of fetuin-A and GFAP in older human autopsy tissue via Tyramide Signal Amplification

PLOS One

Miriam Heinen[1]

[1]RWTH Aachen University

1 Works for me dx.doi.org/1

Miriam Heinen

ABSTRACT

This staining was performed to
sections (1 µm thickness) of for
by a polyclonal rabbit-anti-huma
a polyclonal goat-anti-rabbit Ale
11070, RRID:AB_2534114, dilution 1:300).Fetuin-A was detected by using a monoclonal IgG2a mouse-anti-human antibody (clone MAHS-1, dilution 1.0 µg/mL), raised against purified human fetuin-A in our laboratories. Antibody binding was detected by tyramide signal amplification using a secondary biotinylated polyclonal goat-anti-mouse antibody (Dako Cat# E0433, RRID:AB_2687905, dilution 1:300) and a Tyramide Signal Amplification Kit (Life Technologies, Carlsbad, USA, T-20933). To minimize lipofuscin autofluorescence, sections were counterstained with Sudan Black (Sigma-Aldrich, Munich, Germany, 199664, dilution 0.3% in 70% ethanol, 5 minutes). Nuclei were stained with DAPI (Sigma-Aldrich, Munich, Germany D9542, dilution 0.25 µg/ml, 5 minutes). Sections were mounted with Immumount (Thermo Scientific, Waltham, USA, 9990402) and stored at 8°C in the dark.

EXTERNAL LINK

https://doi.org/10.1371/journal.pone.0206597

...This protocol used the service of the Network for Pancreatic Organ Donors with Diabetes (RRID:SCR_014641)...

Network for Pancreatic Organ Donors with Diabetes (RRID:SCR_014641)

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http://www.jdrfnpod.org

A collaborative research project that supports nPOD approved diabetes investigators by freely providing rare and difficult-to-obtain tissues from
Interested researchers are encouraged to apply to obtain nPOD tissues, or to request access to analyze cases in the nPOD Online Pathology si
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INFORMATION RELATIONSHIPS REFERENCED BY ANALYTICS SOURCE

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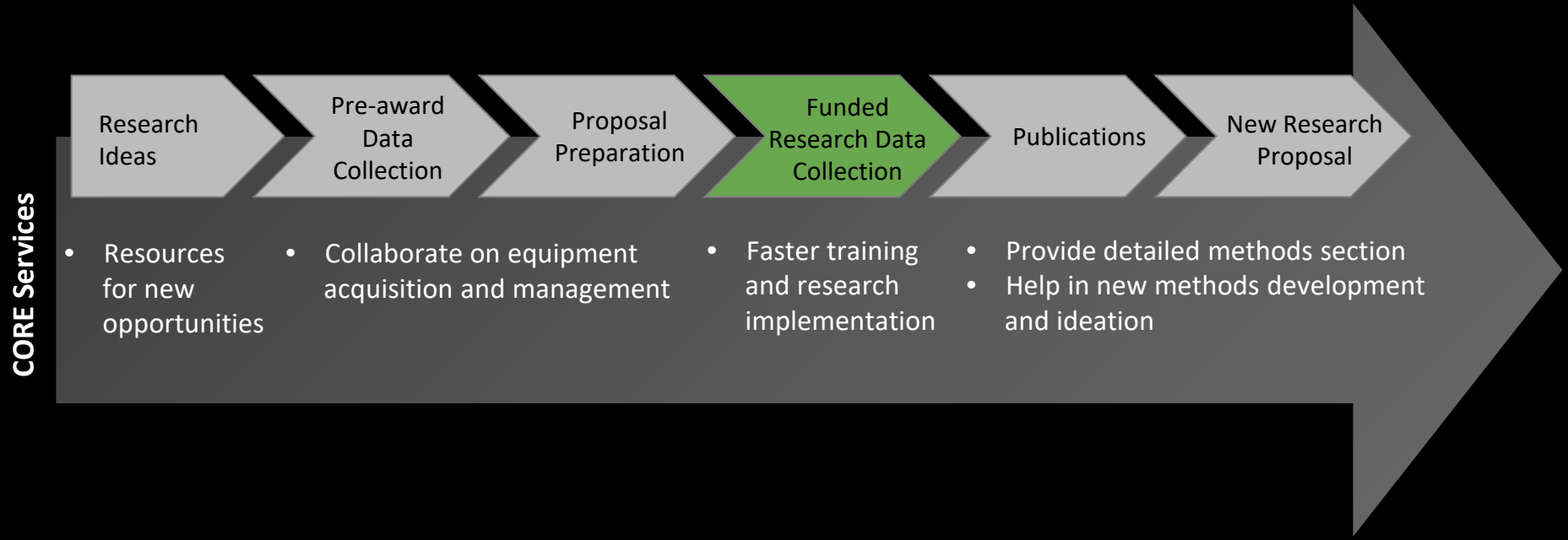
The Polycomb-Dependent Epigenome Controls β Cell Dysfunction, Ded

PubMed

Lu TT Cell metabolism 2018

betes\t**http://www.jdrfnpod.org/**; RRID:**SCR_014641**\nChemicals, Peptides, and Recomb

Core Facilities in the Research Lifecycle



How Can Cores Track Value in Research Lifecycle?

Research & Innovation Office
UNIVERSITY OF COLORADO **BOULDER**

Shared Instrumentation Network

RESEARCH AND INNOVATION OFFICE

Core Facilities

Filter by Department / Unit

- [ ] Biochemistry
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- [ ] Department of Mechanical Engineering
- [ ] Department of Psychology and Neuroscience
- [ ] Ecology and Evolutionary Biology (EBIO)
- [ ] Geological Sciences
- [ ] JILA
- [ ] Molecular, Cellular & Developmental Biology (MCDB)
- [ ] Renewable and Sustainable Energy Institute (RASEI)
- [ ] Wilderness Place

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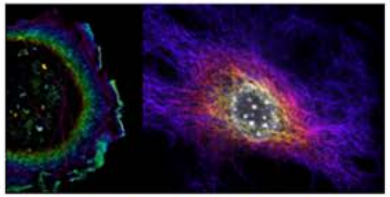
Biochemistry Cell Culture Facility (RRID:SCR_018988)

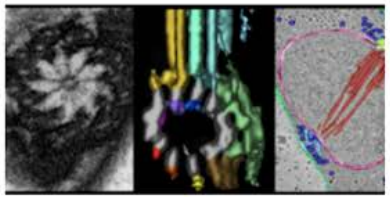
BioCore: Shared Equipment Program (RRID:SCR_019302)



BioFrontiers Advanced Light Microscopy Core (RRID: SCR_018302)

BioFrontiers Sequencing Facility (RRID:SCR_019308)

BioKEM - BioChemistry Krios Electron Microscopy Facility (RRID:SCR_019057)



Boulder Electron Microscopy Services Core Facility (RRID:SCR_001432)

Shared Instrumentation Network

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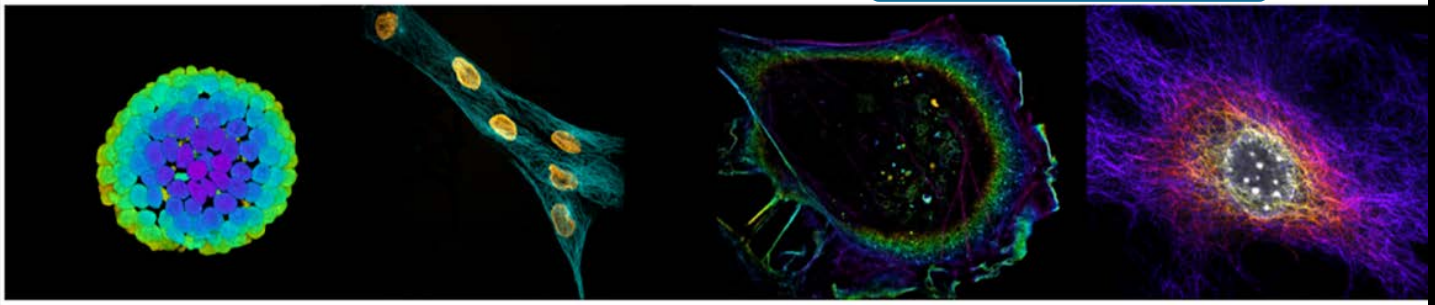
BioFrontiers Advanced Light Microscopy Core (RRID: SCR_018302)



The **BioFrontiers Advanced Light Microscopy Core (BFALMC)** is an open access user facility that serves the entire CU Boulder and local scientific community. BFALMC houses six different imaging systems that allow researchers to observe both microscopic and macroscopic objects, including 3D printed structures, tissues, organoids, cells and single particles. Beyond technology and data analysis, we focus on user education and assistance, guiding researchers along the entire investigation pipeline from concept to experimental design to data acquisition and analysis. We look forward to helping you with your research needs.

Joe Dragavon, PhD
Director

Jian Tay, PhD
Image Analysis Specialist

Facility summary

303-735-6988 biof-imaging@colorado.edu Website

- **Location**: JSCBB C350
- **Technology focus**: Optical microscopy
- **Microscope equipment summary**: Widefield, Confocal (laser scanning and spinning disc), Super Resolution (STORM), High Throughput Screening, FRET, TIRF, FRAP, Live and fixed cells
- **Analytical tools summary**: ImageJ/Fiji, MATLAB, Imaris, Cell Profiler, ICY
- **Open to**: CU Boulder, occasional external/industry use

https://coremarketplace.org/RRID:SCR_018302

CORE MARKETPLACE

SEARCH HELP LISTING WIDGET NEWS MANUAL

START OVER ADD/EDIT MY FACILITY

All Facilities >> University of Colorado Boulder >> BioFrontiers Advanced Light Microscopy Core (Imaging (Cell, Molecular, PET, Translational))

BioFrontiers Advanced Light Microscopy Core (Imaging (Cell, Molecular, PET, Translational))

Facility Details

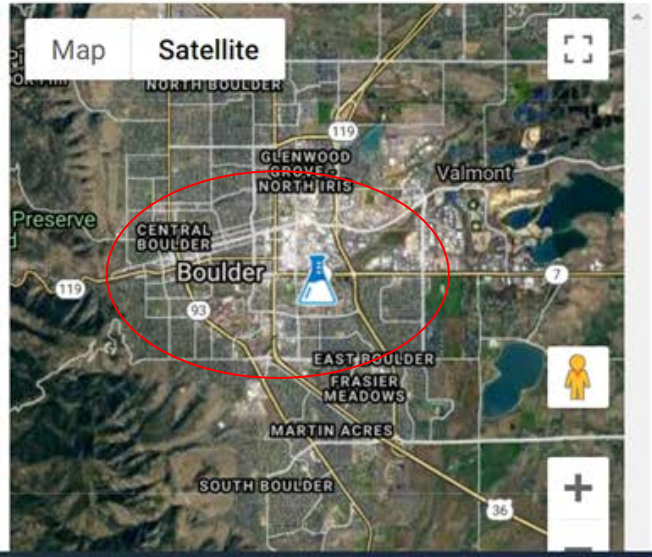
- About This Facility
- Services and Equipment
- Publications
- Associations
- Metadata

University of Colorado Boulder
3415 Colorado Avenue
Boulder, CO 80303
United States of America
https://bficores.colorado.edu/imaging-facility

Hide Map

Quicklinks:
https://coremarketplace.org/BFALMC
https://coremarketplace.org/RRID:SCR_018302

Primary Contact:
Joe Dragavon
Last Updated: 10/22/2020



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Holidays will be considered the same as after hours or weekend, for fee calculation, for 'novice' user rights, and for limits and reservations. List of holidays: n

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ACCOUNT #

ACCOUNT #

ACCOUNT #

RRID:SCR_018985

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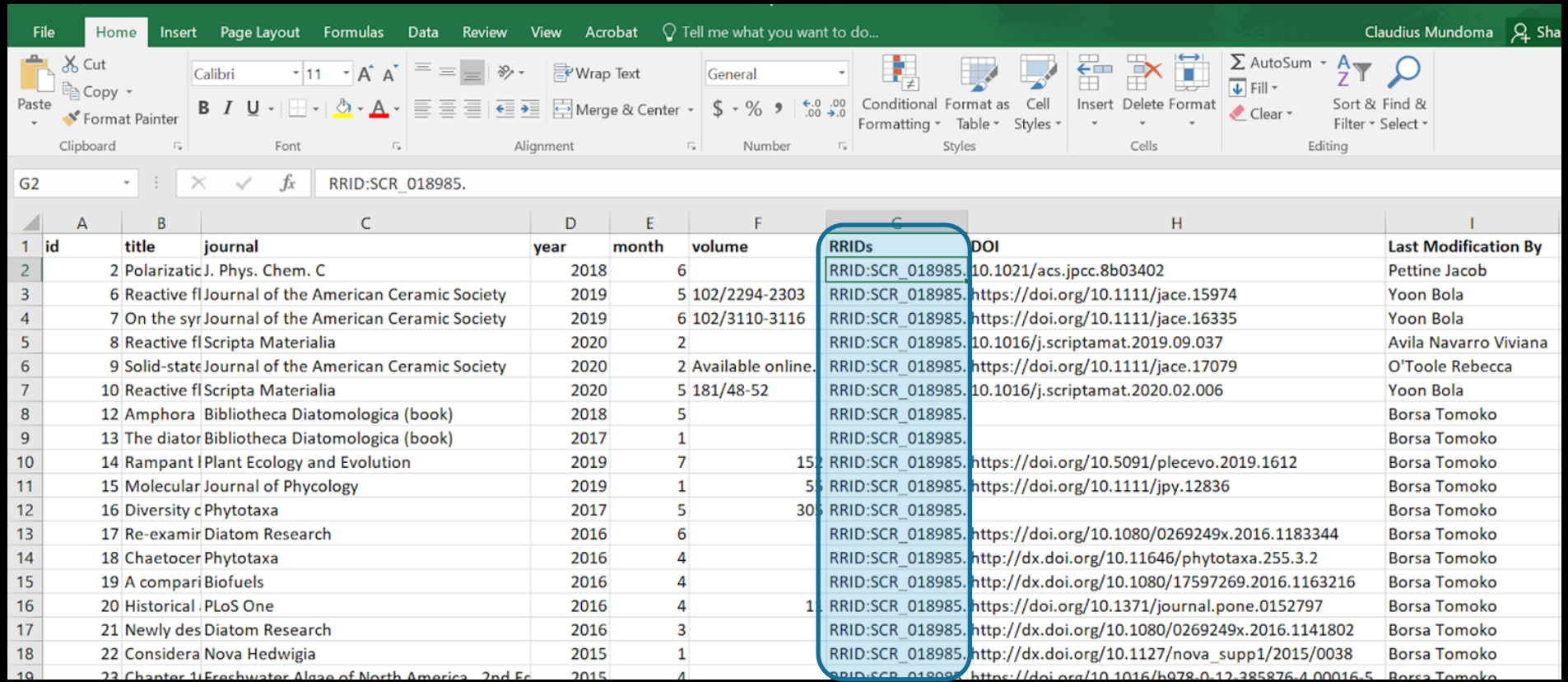
of publications

ves an overview on the number of publications throughout the organization and by the Core

eport

Total Count
5
73
8
1
1
86

preadsheet



	A	B	C	D	E	F	G	H	I
1	id	title	journal	year	month	volume	RRIDs	DOI	Last Modification By
2	2	Polarizatic	J. Phys. Chem. C	2018	6		RRID:SCR_018985.	10.1021/acs.jpcc.8b03402	Pettine Jacob
3	6	Reactive fl	Journal of the American Ceramic Society	2019	5	102/2294-2303	RRID:SCR_018985.	https://doi.org/10.1111/jace.15974	Yoon Bola
4	7	On the syr	Journal of the American Ceramic Society	2019	6	102/3110-3116	RRID:SCR_018985.	https://doi.org/10.1111/jace.16335	Yoon Bola
5	8	Reactive fl	Scripta Materialia	2020	2		RRID:SCR_018985.	10.1016/j.scriptamat.2019.09.037	Avila Navarro Viviana
6	9	Solid-state	Journal of the American Ceramic Society	2020	2	Available online.	RRID:SCR_018985.	https://doi.org/10.1111/jace.17079	O'Toole Rebecca
7	10	Reactive fl	Scripta Materialia	2020	5	181/48-52	RRID:SCR_018985.	10.1016/j.scriptamat.2020.02.006	Yoon Bola
8	12	Amphora	Bibliotheca Diatomologica (book)	2018	5		RRID:SCR_018985.		Borsa Tomoko
9	13	The diator	Bibliotheca Diatomologica (book)	2017	1		RRID:SCR_018985.		Borsa Tomoko
10	14	Rampant I	Plant Ecology and Evolution	2019	7	152	RRID:SCR_018985.	https://doi.org/10.5091/plecevo.2019.1612	Borsa Tomoko
11	15	Molecular	Journal of Phycology	2019	1	55	RRID:SCR_018985.	https://doi.org/10.1111/jpy.12836	Borsa Tomoko
12	16	Diversity c	Phytotaxa	2017	5	305	RRID:SCR_018985.		Borsa Tomoko
13	17	Re-examir	Diatom Research	2016	6		RRID:SCR_018985.	https://doi.org/10.1080/0269249x.2016.1183344	Borsa Tomoko
14	18	Chaetocer	Phytotaxa	2016	4		RRID:SCR_018985.	http://dx.doi.org/10.11646/phytotaxa.255.3.2	Borsa Tomoko
15	19	A compari	Biofuels	2016	4		RRID:SCR_018985.	http://dx.doi.org/10.1080/17597269.2016.1163216	Borsa Tomoko
16	20	Historical	PLoS One	2016	4	11	RRID:SCR_018985.	https://doi.org/10.1371/journal.pone.0152797	Borsa Tomoko
17	21	Newly des	Diatom Research	2016	3		RRID:SCR_018985.	http://dx.doi.org/10.1080/0269249x.2016.1141802	Borsa Tomoko
18	22	Considera	Nova Hedwigia	2015	1		RRID:SCR_018985.	http://dx.doi.org/10.1127/nova_supp1/2015/0038	Borsa Tomoko
19	23	Chapter 1	Freshwater Algae of North America, 2nd Ec	2015	4		RRID:SCR_018985.	https://doi.org/10.1016/b978-0-12-385876-4.00016-5	Borsa Tomoko

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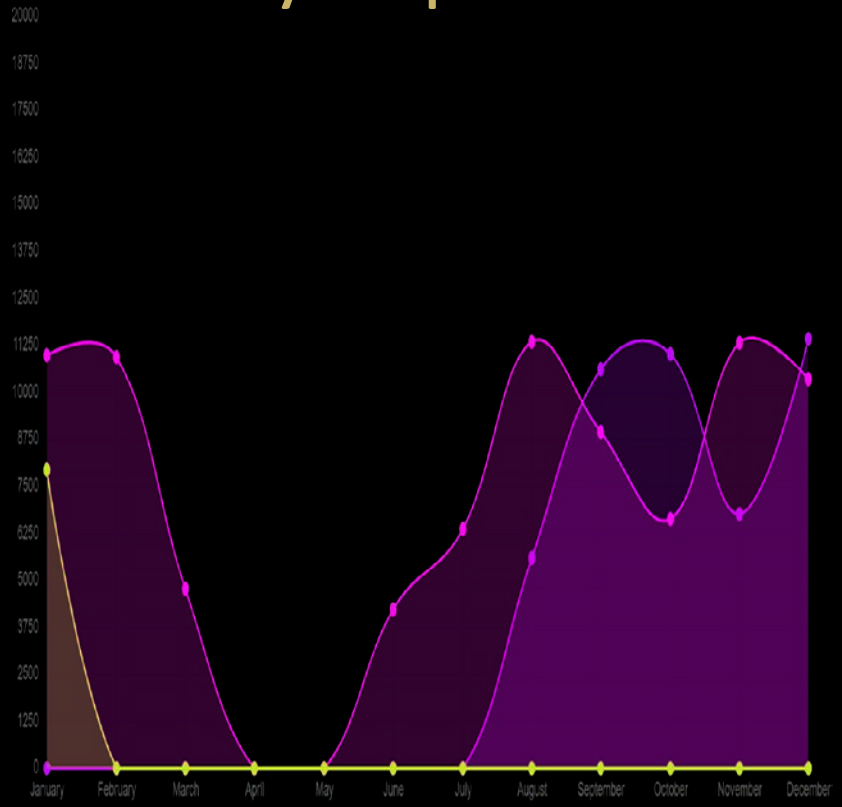

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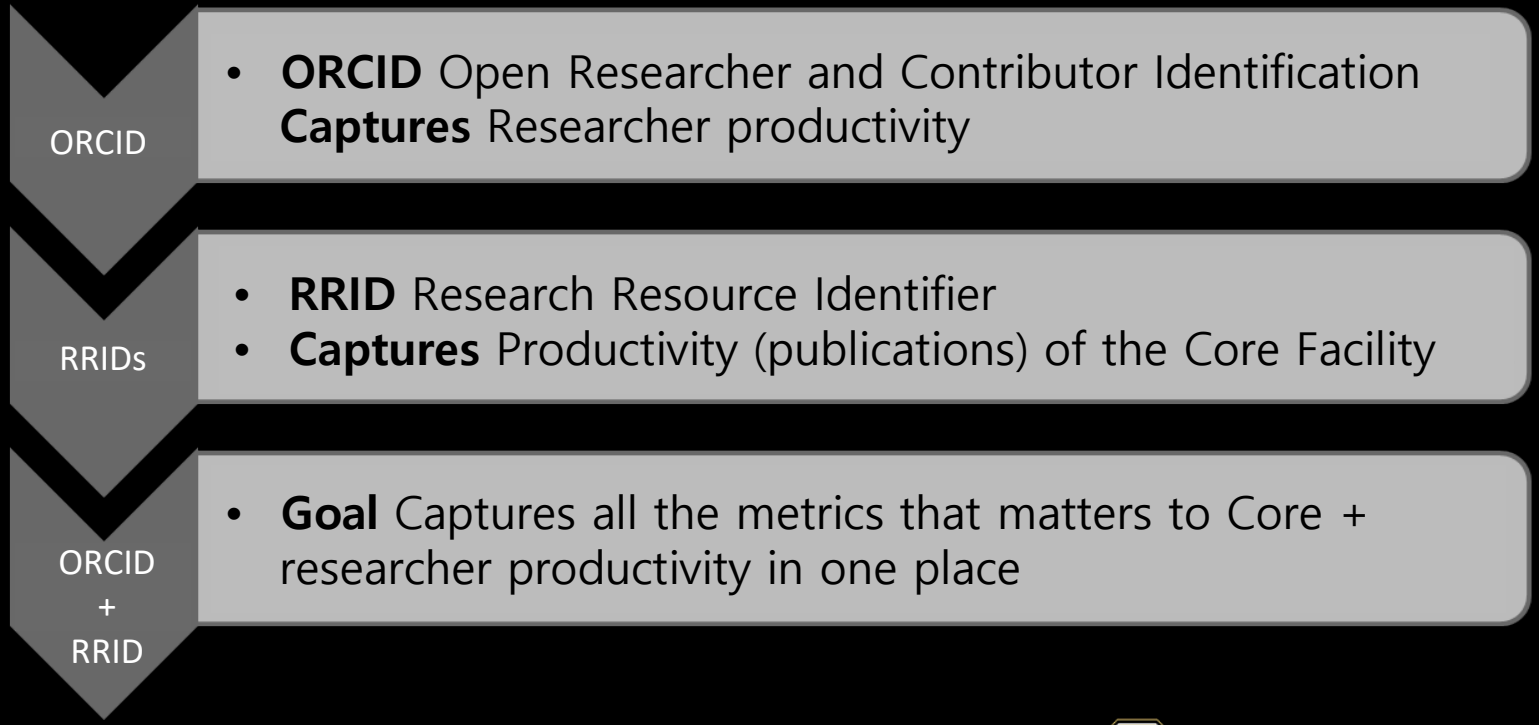
Capturing ALL Metrics that Matter to Cores



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