

# **WHY SHOULD EVERYONE SUPPORT TRANSPARENCY OF THE SCIENTIFIC LITERATURE EFFORTS?**

QUESTIONS:

**NATE HERZOG**

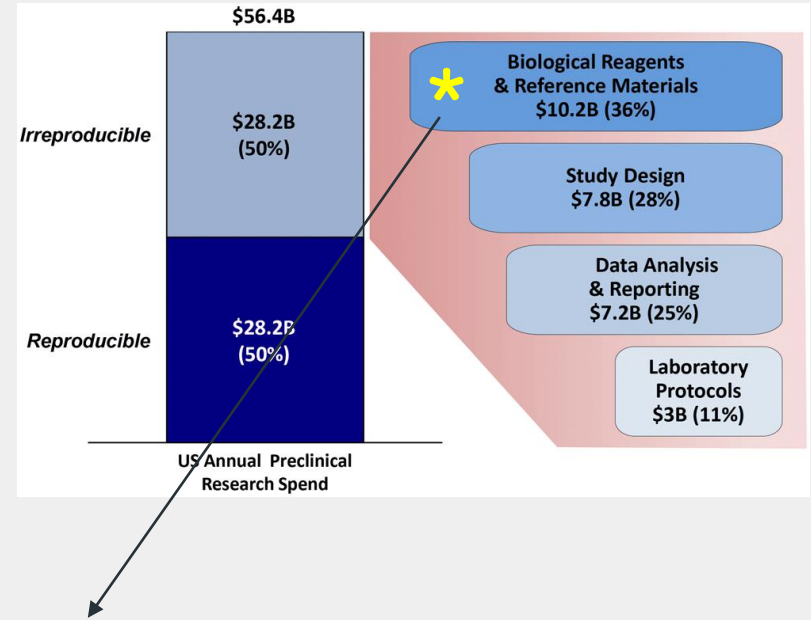
**NSHERZOG@UVM.EDU**

**ANITA BANDROWSKI**

**ANITA@SCICRUNCH.COM**

# REPRODUCIBILITY CRISIS

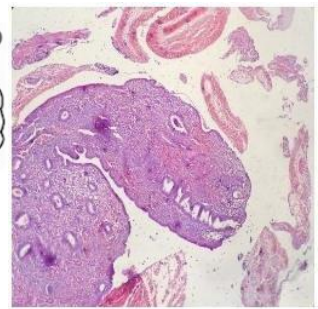
- Lost of money waste due to irreproducibility of science
- This causes delays drug development, increases demands on resources and drives up research costs.
- Factors to improve reproducibility are known
  - Research reagents
  - Investigator bias (Landis 2012 Criteria)



## HOW DO WE SOLVE THE RESOURCE PROBLEM?



Xenbase



Index of RRIDs

Statements about RRIDs

# RRID

Unified web portal for authors  
Web services for journals & tools

Literature mining pipelines



# RRID AUTHOR'S WORKFLOW

<https://scicrunch.org/resources>

## SEARCH FOR RESOURCES

RRID Portal

Home / Community Resources

SEARCH Type in a keyword to search

vermont core

Vermont University Vermont Advanced Computing Core Facility

Cite this (Vermont University Vermont Advanced Computing Core Facility, RRID:SCR\_017762)

URL: <http://www.uvm.edu/~vacc/>

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

Core provides access to core facility resources

Advanced Computing Core Facility, RRID:SCR\_017762

Tools

SciCrunch: Registry (9) | Cite This | View Source Information

RRID portal includes:

- Antibodies 2.5M
- Organisms 600K (~25 centers)
- Cell lines 120K
- Plasmids (Addgene)
- Stats tools, Core fac. etc 20K

>500 Journals direct  
author to RRID portal

Author searches for  
a resource

Author copies  
"Cite This" text  
into manuscript

Paper is  
published

RRID:IMSR\_JAX:000664

About 901 results (0.07 sec)

Did you mean: RRID:IMSR\_JAX:000664

Natural whisker-guided behavior by head-fixed mice  
NJ Sofroniew, JD Cohen, AK Lee... - Journal of ..., 2014 - Soc Neurosci  
★ 99 Cited by 83 Related articles All 11 versions Web of Science

α2δ-4 is required for the molecular and structural organization of  
photoreceptor synapses  
V Kerov, JG Laird, M Joiner, S Knecht... - Journal of ..., 2018 - Soc Neurosci  
★ 99 Cited by 14 Related articles All 7 versions Web of Science: 11

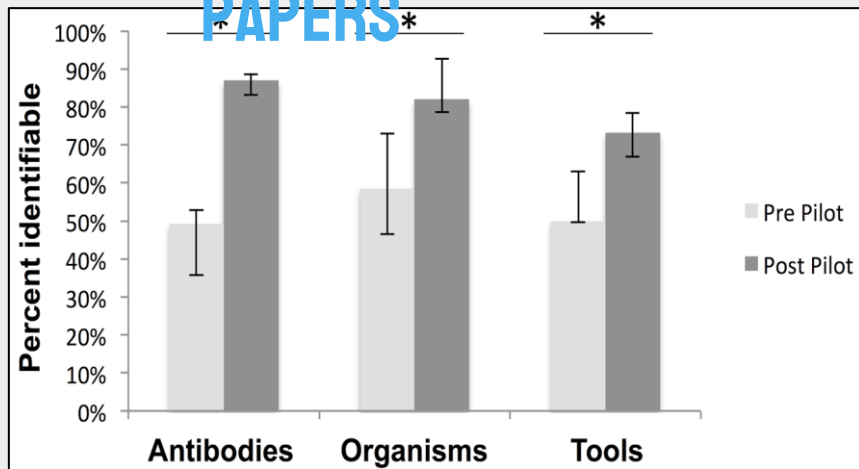
[HTML] Inhibition of Dpp8/9 activates the Nlrp1b inflammasome  
MC Okondo, SD Rao, CY Taabazuing, AJ Chui... - Cell chemical ..., 2018 - Elsevier  
... BALB/cJ, The Jackson Laboratory, Cat#000651; RRID:IMSR\_JAX:000651.  
C57BL/6J, The Jackson Laboratory, Cat#000664; RRID:IMSR\_JAX:000664.  
NOD/ShiLtJ, The Jackson Laboratory, Cat#001976; RRID:IMSR\_JAX:001976 ...  
★ 99 Cited by 39 Related articles All 7 versions Web of Science: 24

S1PR3 mediates itch and pain via distinct TRP channel-dependent pathways  
RZ Hill, T Morita, RB Brem... - Journal of Neuroscience, 2018 - Soc Neuroscience  
★ 99 Cited by 9 Related articles All 10 versions Web of Science: 7

Paper  
becomes  
data

SciScore

# USING IDENTIFIERS FOR RESOURCES MAKES BETTER (REPRODUCIBLE) PAPERS



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

RRID = 40%  
increase in  
reagent  
findability



Resource Identification Portal

Cell Lines

1-5c-4

ON PAGE 1 SHOWING 4 OUT OF 4 RESULTS FROM 1 SOURCES

**1-5c-4 cell line, ECACC**

[http://web.expasy.org/cellosaurus/CVCL\\_2260](http://web.expasy.org/cellosaurus/CVCL_2260)

Cite this ECACC Cat# 88021103, RRID:CVCL\_2260

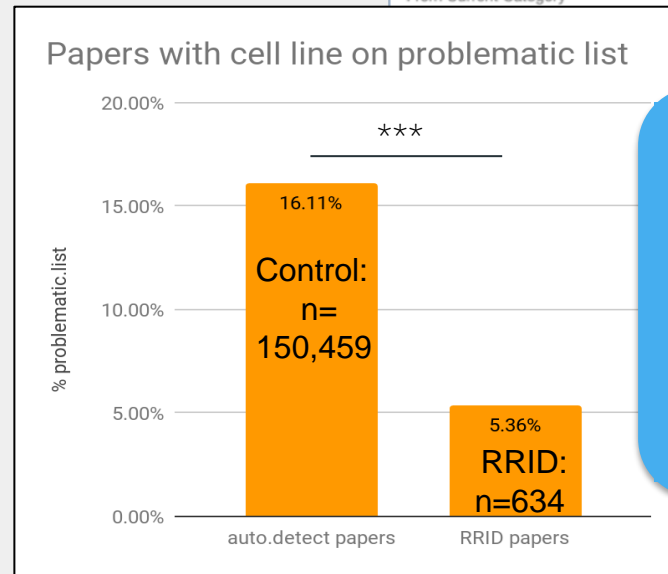
Organism: Homo sapiens

Disease: Cervical adenocarcinoma

Category: Cancer cell line

Comment: Problematic cell line: Contaminated. Shown to be a HeLa derivative

From Current Category



Babic et al, eLife, 2019

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

SciScore

# RRIDS ARE A LIST OF REAGENTS & RESOURCES

**Tools** [Select Another Resource Report Type](#)

Home / Resource Reports / Tools

SciCrunch Registry is a curated repository of scientific resources, with a focus on biomedical resources, including tools, databases, and cor ...[more]

**SEARCH** Type in a keyword to search

[Search](#) [Save search](#) [Reset search](#)

Filter by records added date  
See new records

On page 1 showing 1 ~ 2 out of 2 results

[Snippet view](#) [Table view](#) [1](#)

Can't find your tool? Help us by registering it into the system - it's easy. Register it with the SciCrunch Registry. An RRID will be generated in 1-2 business day.

[Click the ☐ to add this resource to a Collection](#)

**Options**

[Log in for Collection Options](#)

**Facets**

[Resource Type](#) >

[Keywords](#) >

[Related Resources](#) >

[Related Condition](#) >

[Funding](#) >

[Agency](#)

[Organism](#) >

[Mentions](#) >

☐ yes (2) ☐

[Perform Search](#)

☐ [nPOD TCR/BCR Search](#)

RRID:SCR\_015851

This resource has 1+ mentions. [View](#)

<http://clonesearch.jdrfnpod.org/>

Database of sequence data generated from high-throughput immunosequencing of the TCR beta chain (TRB) and B cell receptor (BCR) immunoglobulin heavy chain (IGH). This data comes from cells from NPOD donors.

**Proper citation:** nPOD TCR/BCR Search (RRID:SCR\_015851) [Copy](#)

**i** Source: [SciCrunch Registry](#)

☐ [Network for Pancreatic Organ Donors with Diabetes](#)

RRID:SCR\_014641

This resource has 50+ mentions. [View](#)

<http://www.jdrfnpod.org/>

A collaborative research project that supports nPOD approved diabetes investigators by freely providing rare and difficult-to-obtain tissues from type 1 and type 2 diabetes donors. Interested researchers are encouraged to apply to obtain nPOD tissues, or to request access to analyze cases in the nPOD Online Pathology site. Interested donors can contact nPOD directly for more information.

**Proper citation:** Network for Pancreatic Organ Donors with Diabetes (RRID:SCR\_014641) [Copy](#)

**i** Source: [SciCrunch Registry](#)

Search “npod”

Facets (like filter)  
Mentions? – in literature!

\* Core facilities

# RRIDS ARE A LIST OF REAGENTS & RESOURCES

## Tools

Select Another Resource Report Type

Home / Resource Reports / Tools

SciCrunch Registry is a curated repository of scientific resources, with a focus on biomedical resources, including tools, databases, and cor...[more]

SEARCH Type in a keyword to search

npod Search Save search Reset search

Filter by records added date  
See new records

On page 1 showing 1 – 2 out of 2 results

Snippet view Table view

1

Can't find your tool? Help us by registering it into the system - it's easy. Register it with the SciCrunch Registry. An RRID will be generated in 1-2 business day.

Click the ☐ to add this resource to a Collection

### Options

Log in for  
Collection  
Options

### Facets

Resource Type

Keywords

Related  
Resources

Related  
Condition

Funding  
Agency

Organism

Mentions

yes (2)

Perform Search

☐ nPOD TCR/BCR Search

RRID:SCR\_015851

This resource has 1+ mentions.

<http://clonesearch.jdrfnpod.org/>

Database of sequence data generated from high-throughput immunosequencing of the TCR beta chain (TRB) and B cell receptor (BCR) immunoglobulin heavy chain (IGH). This data comes from cells from NPOD donors.

**Proper citation:** nPOD TCR/BCR Search (RRID:SCR\_015851) [Copy](#)

**i** Source: SciCrunch Registry

☐ Network for Pancreatic Organ Donors with Diabetes

RRID:SCR\_014641

This resource has 50+ mentions.

<http://www.jdrfnpod.org/>

A collaborative research project that supports nPOD approved diabetes investigators by freely providing rare and difficult-to-obtain tissues from type 1 and type 2 diabetes donors. Interested researchers are encouraged to apply to obtain nPOD tissues, or to request access to analyze cases in the nPOD Online Pathology site. Interested donors can contact nPOD directly for more information.

**Proper citation:** Network for Pancreatic Organ Donors with Diabetes (RRID:SCR\_014641) [Copy](#)

**i** Source: SciCrunch Registry



## Resource Summary Report

New Search

Previous Search Results

Home / Resource Reports / Tools / Resource Summary Report

Resource Name

Network for Pancreatic Organ Donors with Diabetes

RRID:SCR\_014641 [Login to claim ownership](#)

Resource Information

URL: <http://www.jdrfnpod.org>

**Proper Citation:** Network for Pancreatic Organ Donors with Diabetes (RRID:SCR\_014641)

**Description:** A collaborative research project that supports nPOD approved diabetes investigators by freely providing rare and difficult-to-obtain tissues from type 1 and type 2 diabetes donors. Interested researchers are encouraged to apply to obtain nPOD tissues, or to request access to analyze cases in ...[more]

**Abbreviations:** nPOD

**Synonyms:** The Network for Pancreatic Organ Donors with Diabetes, Network for Pancreatic Organ Donors with Diabetes (nPOD)

**Resource Type:** material resource, biomaterial supply resource

**Keywords:** diabetes, type 1, type 2, donor, tissue, tissue supplier, biomaterial supply resource, organization, rare tissue

[Expand All](#)

Usage and Citation Metrics

We found 81 mentions in open access literature.

[View full usage report](#)

**Most recent articles:**

Sona C, et al. (2022) Evidence of islet CADM1-mediated immune cell interactions during human type 1 diabetes. JCI insight, 7(6). (PMID:35133983)

Jorgensen M, et al. (2021) ACE2 chromogenic immunostaining protocol optimized for formalin-fixed paraffin-embedded human tissue sections. STAR protocols, 2(3), 100896. (PMID:34308375)

Apalaza PS, et al. (2021) Islet expression of type I interferon response sensors is associated with immune infiltration and viral infection in type 1 diabetes. Science advances, 7(9). (PMID:33627420)

**Check** [Google Scholar](#) for all resource mentions.

# HOW ARE RRIIDS DETECTED?



Front Endocrinol (Lausanne). 2021; 12: 622647.

Published online 2021 Mar 25. doi: [10.3389/fendo.2021.622647](https://doi.org/10.3389/fendo.2021.622647)

## Proinsulin-Reactive CD4 T Cells in the Islets of Type 1 Diabetes Donors

Laurie G. Landry,<sup>1,†</sup> Amanda M. Anderson,<sup>1,†</sup> Holger A. Russ,<sup>1,2</sup> Liping Yu,<sup>1,2,3</sup> Mark A. Atkinson,<sup>4</sup> Clayton E. Mathews,<sup>4</sup> Aaron W. Michels,<sup>1,2,5</sup> and Maki Nakayama<sup>1,2,3,5\*</sup>

► Author information ► Article notes ► Copyright and License information ► [Dissemination](#)

### Acknowledgments

We thank Dr. Ludvig Sollid (University of Oslo) for kindly providing the sequence information for the 489 TCR clonotype. This research was performed with the support of the Network for Pancreatic Organ donors with Diabetes (nPOD; [RRID:SCR\\_014641](#)), a collaborative type 1 diabetes research project sponsored by (nPOD: 5-SRA-2018-557-Q-R) and The Leona M. & Harry B. Helmsley Charitable Trust (Grant#2018PG-T1D053). The content and views expressed are the responsibility of the authors and do not necessarily reflect the official view of nPOD. Organ Procurement Organizations (OPO) partnering with nPOD to provide research resources are listed at <http://www.jdrfpod.org/for-partners/npod-partners/>. Human pancreatic islets from non-diabetic donors were provided by the NIDDK-funded Integrated Islet Distribution Program (IIDP) ([RRID:SCR\\_014387](#)) at City of Hope, NIH Grant # 2UC4DK098085.



Resource Name ?

**Network for Pancreatic Organ Donors with Diabetes** [↗](#)

RRID:SCR\_014641 [📄](#) [Login to claim ownership](#)



Resource Information ?

URL: <http://www.jdrfpod.org>

**Proper Citation:** Network for Pancreatic Organ Donors with Diabetes (RRID:SCR\_014641)

**Description:** A collaborative research project that supports nPOD approved diabetes investigators by freely providing rare tissues. Investigators are encouraged to apply to obtain nPOD tissues, or to request access to analyze cases in the nPOD Online Pathology site.

**Resource Type:** Resource, biomaterial supply resource, material resource

**Keywords:** diabetes, type 1, type 2, donor, tissue, tissue supplier, biomaterial supply resource, organization, rare tissue

[Expand All](#)



All Mentions (63 mentions) [\[Download Mentions\]](#) ?

[First](#) [Previous](#) [Next](#) [Last](#) Page 1 of 1 (1 – 63 of 63)

- Roep BO, et al. (2021) Type 1 diabetes mellitus as a disease of the  $\beta$ -cell (do not blame the immune system) -- Our understanding of the effect of insulinitis on  $\beta$ -cells has exploded with the increased access to pancreatic islets, though the condition of the donors (factors such as cause of death, presence of brain death, etc.) [\[more\]](#)
- Landry LG, et al. (2021) Proinsulin-Reactive CD4 T Cells in the Islets of Type 1 Diabetes Organ Donors. -- Pancreatic Organ Donors with Diabetes (nPOD; [RRID:SCR\\_014641](#)), a collaborative type 1 diabetes research project
- Korpos E, et al. (2021) Identification and characterisation of tertiary lymphoid organs in human type 1 diabetes -- formed with the help of the nPOD ([RRID:SCR\\_014641](#)), a collaborative type 1 diabetes research project
- Cottle L, et al. (2021) Structural and functional polarisation of human pancreatic beta cells in islets from non-diabetic donors -- formed with the support of nPOD ([RRID:SCR\\_014641](#)), a collaborative type 1 diabetes research project

SciBotCurationGroup

[Citations](#) 2 [Page Notes](#) 1

scibot

SciBotCurationGroup

RRID:SCR\_014641

Title: Network for Pancreatic Organ Donors with Diabetes

Proper Citation: Network for Pancreatic Organ Donors with Diabetes (RRID:SCR\_014641)

Abbreviations: nPOD

RRIIDS are read by SciBot, verified by curators and papers are listed on the RRIID resolver page and shared with CrossRef



“Our users do not cite us in a consistent format, it is a real chore to figure out who cited us over the last year” – Core Facility Resource Owner

## **CORE FACILITIES (SERVICES)**

# CORE FACILITIES (SERVICES)



1. List Your Facility

2. Keep Your Listing Updated

3. Join the ABRF CoreMarketplace

Email: [nsherzog@uvm.edu](mailto:nsherzog@uvm.edu)

Resource Type	Select
Antibody	>
Cell Lines	>
Core Facility	>
Organism	>
Plasmid	>
Suggest a resource (resources include software, organizations, databases, etc). Organisms and antibodies should not be submitted to the resource registry. Just provide the minimal information for a resource and we'll fill in the rest. Suggesting a resource will not generate an RRID until a SciCrunch curator approves it.	

[coremarketplace.org](https://coremarketplace.org)

# CORE FACILITIES (SERVICES)



## Biomedical Imaging Group (Microscopy (Electron, F

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

### Services offered:

- Analysis Workstations
- Bioimage Informatics
- Confocal Microscopy
- Data Analysis
- Data Processing
- Image Analysis
- Light-sheet Microscopy
- Live Cell Imaging

### Facility Equipment

- Zeiss Axio Plan Histology Microscope
- Zeiss Axio Observer D1 Motorized Widefield
- Zeiss Axio Observer Z1 for Multi-Well Acquisi
- Nikon TE2000 with Yokogawa CSU-10 Spinnin
- Zeiss Axiovert 200M FRET Microscope
- LaVision BioTec LightSheet UltraMicroscope
- Zeiss LSM 900 with Airyscan 2
- TIRF EpiFluorescence Structured Light Micros
- Virus Epifluorescence Structured Light Micro

## Biomedical Imaging Group (Microscopy (Electron, Fluorescence, Optical))

### Facility Details

#### About This Facility

- Services and Equipment
- Publications
- Associations
- Metadata

### University of Massachusetts Medical School

BioTech II, Suite 114  
373 Plantation Street  
Worcester, MA 01605  
United States  
<http://big.umassmed.edu>

### Quicklinks:

[https://coremarketplace.org/RRID:SCR\\_021201](https://coremarketplace.org/RRID:SCR_021201)

### Facility LIMS Page

<https://trello.com/pmmmicroscopes>

### Primary Contact:

**Caterina Strambio-De-Castillia**  
Last Updated: 11/17/2021

### Facility RRID

RRID:SCR\_021201

### CITE THIS

Biomedical Imaging Group, RRID:SCR\_021201

### Facility Details

The Biomedical Imaging Group is an interdisciplinary team of engineers and scientists, re as microscopy, data management, lasers, optoelectronics, applied mathematics, image a imaging approaches for cell biology.

## **CORE FACILITIES (SERVICES)**

**HOW CAN WE GET MORE MENTIONS?**

# Shared Instrumentation Network

RESEARCH AND INNOVATION OFFICE



Add Your Instrument

Core Facilities

Core Facilities Grant Program

Instruments: A - Z

Instruments: by Dept/Institute/Campus

Contact Us

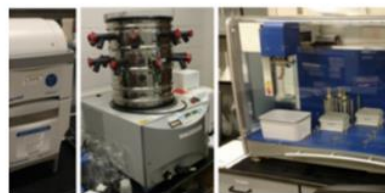
## Core Facilities

### Filter by Department / Unit

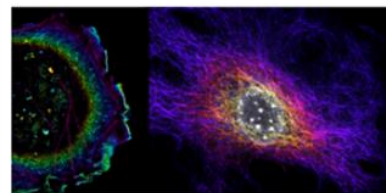
- ☐ Biochemistry
- ☐ BioFrontiers Institute
- ☐ Chemistry
- ☐ College of Engineering and Applied Science
- ☐ CU Green Labs
- ☐ Department of Integrative Physiology (IPHY)
- ☐ Department of Mechanical Engineering
- ☐ Department of Psychology and Neuroscience
- ☐ Ecology and Evolutionary Biology (EBIO)
- ☐ Geological Sciences
- ☐ JILA
- ☐ Molecular, Cellular & Developmental Biology (MCDB)
- ☐ Renewable and Sustainable Energy Institute (RASEI)
- ☐ Wilderness Place



**Biochemistry Cell Culture Facility**  
(RRID:SCR\_018988)



**BioCore: Shared Equipment Program**  
(RRID:SCR\_019302)



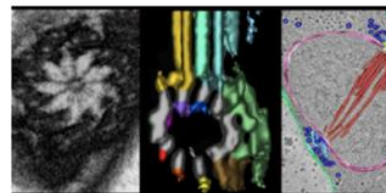
**BioFrontiers Advanced Light Microscopy Core**  
(RRID:SCR\_018302)



**BioFrontiers Sequencing Facility**  
(RRID:SCR\_019308)



**BioKEM - BioChemistry Krios Electron Microscopy Facility**  
(RRID:SCR\_019057)



**Boulder Electron Microscopy Services Core Facility**  
(RRID:SCR\_001432)



# CAN YOU HELP USERS CITE YOU?



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

PLOS One

Miriam Heinen<sup>1</sup>

<sup>1</sup>RWTH Aachen University

1 Works for me dx.doi.org/10.1371/journal.pone.0206597

Miriam Heinen

### ABSTRACT

This staining was performed to sections (1 µm thickness) of formalin-fixed paraffin-embedded (FFPE) tissue by a polyclonal rabbit-anti-human fetuin-A antibody (clone MAHS-1, dilution 1:300) and 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 services of the Network for Pancreatic Organ Donors with Diabetes (RRID:SCR\_014641)...

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.

### Resource Name

**Network for Pancreatic Organ Donors with Diabetes**

RRID:SCR\_014641 [Login to claim ownership](#)

### Resource Information

URL: <http://www.jdrfpod.org>

**Proper Citation:** Network for Pancreatic Organ Donors with Diabetes (RRID:SCR\_014641)

**Description:** A collaborative research project that supports nPOD approved diabetes investigators by freely providing rare human pancreas tissues, or to request access to analyze cases in the nPOD Online Pathology site

**Resource Type:** Resource, biomaterial supply resource, material resource

**Keywords:** diabetes, type 1, type 2, donor, tissue, tissue supplier, biomaterial supply resource, organization, rare tissue

[Expand All](#)

# CAN YOU HELP USERS CITE YOU?

there are 101 cores (out of 444 total where we share data with Core Marketplace) that have been [cited](#),

We reached out to 20 cores. We found out that nearly all of the respondents are doing at least 2 of the following things:

Here are prompts that we gave that we knew core leaders were doing:

- RRID is included in the email signature - 8 respondents are doing this
- RRID is included on the core website, somewhere obvious - 6 respondents
- Sending out an email periodically to your users with your core RRID - 3 respondents

Here are some other ways that core facility heads are pushing their users to cite their RRIIDs:

- *"I basically have the RRID listed across all the equipment calendars on my iLab page"*
- *"For booking the microscopes we use PPMS from Stratocore and I have just added it to the heading of the facility, which is displayed on all PPMS AIF pages."*
- *"Post signs referencing the RRID within the SRL"*
- *"Post the RRID on a screensaver on the instruments"*
- *"Mention acknowledging the SRL via the RRID during new user trainings"*
- *"The RRID is included at the bottom of the result report sent to the users."*
- *"Anytime Methods write up are requested by users, we include an acknowledgement sentence which include the RRID."*
- *"When reviewing/editing manuscripts as an author, I always add my "core laboratory" acknowledgement section that includes the lab RRID."*

# The CoreMarketplace:

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

Nate Herzog

Project Lead

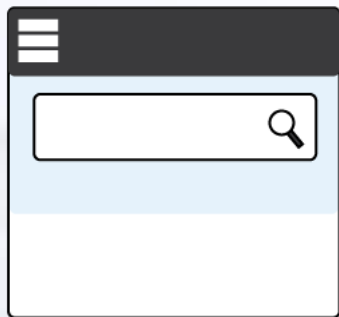
[nsherzog@uvm.edu](mailto:nsherzog@uvm.edu)



## **CoreMarketplace Purpose:**

- 1. Increase visibility (citability) of cores*
- 2. Improve the reproducibility of research*

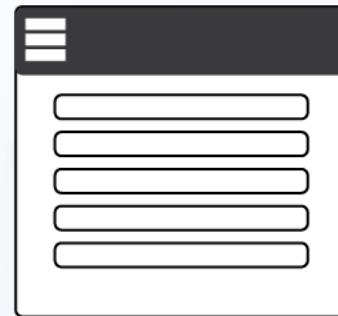
## **FUNCTIONS**



**Fully  
Searchable**



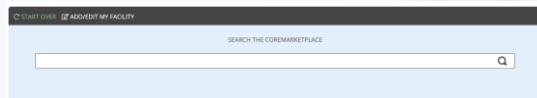
**Core Listing  
(homepage)**



**Postings**

## MY CORE ISN'T AVAILABLE

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



**Research/  
Researchers**



 **SciCrunch**  
**Research/Science  
Websites**

**Google**  
**The  
Internet**



**Your Institutions**

**PubMed**  
**Publications**

## NUMBERS

222

Institutions  
Represented

937

Active Facility  
Listings

12

Countries  
Represented

15765

Searches In  
Last 7 Days

177


PMC Articles  
Citing Facility  
RRIDs

**1. List Your Facility (get an RRID)**


**2. Keep Your Listing Up To Date (first impression)**

**CM is free to use. Free to list. We don't share contact  
information with 3<sup>rd</sup> parties.**

## Research Resource Identifiers (RRID)



**National Library of Medicine**  
National Center for Biotechnology Information

Log in


**PubMed Central®**


Advanced | Journal List

PubMed Central® (PMC) is a free full-text archive of biomedical and life sciences journal literature at the U.S. National Institutes of Health's National Library of Medicine (NIH/NLM)



### About PMC

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<https://www.ncbi.nlm.nih.gov>


**National Library of Medicine**  
National Center for Biotechnology Information

Log in



Create alert | Journal List | Advanced | Help

Article attributes  
 Associated Data  
 Author manuscripts  
 Digitized back issues  
 MEDLINE journals  
 Open access  
 Preprints  
 Retracted

Text availability  
 Include embargoed articles

Publication date  
 1 year  
 5 years  
 10 years  
 Custom range...

Research Funder  
 NIH  
 AHRQ  
 ACL  
 ASPR  
 CDC  
 DHS  
 EPA  
 FDA  
 NASA  
 NIST  
 VA  
 Customize ...

Display Settings: Summary, 20 per page, Sorted by Default order

Send to:

**PMC Full-Text Search Results**  
 Items: 15

☐ [Single-cell glycomics analysis by CyTOF-Lec reveals glycan features defining cells differentially susceptible to HIV](#)  
 1. Tongcul Ma, Matthew McGregor, Leila Giron, Guorui Xie, Ashley F George, Mohamed Abdel-Mohsen, Nadia R Roan  
 eLife. 2022; 11: e78870. Published online 2022 Jul 5. doi: 10.7554/eLife.78870  
 PMID: PMC9255966  
[Article](#) [PubMed](#) [PDF-6.2M](#) [Cite](#)

☐ [Combinatorial immunotherapies overcome MYC-driven immune evasion in triple negative breast cancer](#)  
 2. Joyce V. Lee, Filomena Housley, Christina Yau, Rachel Nakagawa, Juliane Winkler, Johanna M. Anttila, Paulina M. Munne, Mariel Savellus, Kathleen E. Houlihan, Daniel Van de Mark, Golzar Hemmati, Grace A. Hernandez, Yibing Zhang, Susan Samson, Carole Baas, Laura J. Esserman, Laura J. van 't Veer, Hope S. Rugo, Christina Curtis, Juha Klefström, Mehrdad Matloubian, Andrei Goga  
 Nat Commun. 2022; 13: 3671. Published online 2022 Jun 27. doi: 10.1038/s41467-022-31238-y  
 PMID: PMC9237085  
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 3. Ian C. Boothby, Maxime J. Kinet, Devi P. Boda, Elaine Y. Kwan, Sean Clancy, Jarish N. Cohen, Ireneusz Habrylo, Margaret M. Lowe, Mariela Pauli, Ashley E. Yates, Jamie D. Chan, Hobart W. Harris, Isaac M. Neuhaus, Timothy H. McCalmont, Ari B. Molofsky,

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# Research Resource Identifiers (RRID)

Images were processed using Fiji or ZEISS ZEN Imaging Software (Zeiss) and equally adjusted manually if needed. All graphs were generated with Graphpad Prism version 9.0.

## Quantification and statistical analysis

Sample size and statistical significance between conditions is denoted in the figure legends. For multiple group comparison, a one-way ANOVA analysis was performed followed by a two-tailed Student's *t*-test (unpaired or paired as described in the figure legends). We performed similar analyses with different tests (e.g. a paired *t*-test or a Student's *t*-test on the un-normalized data) yielding *P*-values of comparable significance. For the milk proxy analysis, a two-way ANOVA was performed followed by a two-tailed, unpaired Student's *t*-test. All error bars represent s.e.m., and significance is denoted in each figure bar. *P*-values higher than 0.05 were considered not statistically significant.

## Supplementary Material

Go to:

### Supplementary information:

[Click here to view.](#) (12M, pdf)

### Reviewer comments:

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## Acknowledgements

Go to:

We thank Phyllis Strickland, Jen Compton, Cindy Uyynh, Julien Menendez, Brian Kaplowitz, Fulgar Esparza, Daniel Mokhtar, Cayla Lagousis, Bari Nazario, Ben Abrams and Melanie Young for technical assistance, and Zhu Wang and Joshua Arrighi for input on statistical analysis. We thank Santa Cruz Biotechnology for antibodies and all siRNAs used in this study. We thank Charles Streuli for CSN2 and MILK, and Jim McManuman for PLIN2 antibodies. We thank Marc Tessier-Lavigne for the *Robo1*—line. We acknowledge core support from the University of California, Santa Cruz Institute for the Biology of Stem Cells and California Institute for Regenerative Medicine (CIRM) Shared Stem Cell Labs (RRID:SCR\_021353), FACS (RRID:SCR\_021149) and Microscopy (RRID:SCR\_021135) and a National Institutes of Health contract grant (1S10OD23528-01).



RRID:SCR\_021353

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<https://coremarketplace.org> · RRID:SCR\_021353

**Institute for the Biology of Stem Cells (IBSC) Cell Culture Facility**

Quicklinks: [https://coremarketplace.org/RRID:SCR\\_021353](https://coremarketplace.org/RRID:SCR_021353). Primary Contact: Bari Holm Nazario. Last Updated: 07/13/2021. Facility RRID: RRID:SCR\_021353.

<https://ibsc.ucsc.edu> · facilities · cell-culture-facility

**Cell Culture Facility - IBSC at UC Santa Cruz**

Cell Culture Facilities. RRID:SCR\_021353 (please acknowledge in all publications). IBSC Stem Cell Culture Resources. The IBSC Stem Cell Culture Facilities ...

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**Policies - Cell Culture and Cytometry Facilities - IBSC at UC ...**

7 days ago — ... please acknowledge the CIRM Shared Stem Cell Facility grant to UCSC (CL1-00506) and the facility number (RRID:SCR\_021353).

START OVER ADD/EDIT MY FACILITY

All Facilities >> University of California, Santa Cruz >> Institute for the Biology of Stem Cells (IBSC) Cell Culture Facility (Cell Biology)

**Institute for the Biology of Stem Cells (IBSC) Cell Culture Facility (Cell Biology)**

### Facility Details

#### About This Facility

#### Services and Equipment

#### Publications

#### Associations

#### Metadata

### University of California, Santa Cruz

1156 High Street

Sinshelmor Labs

Santa Cruz, CA 95064

United States

(831) 459-3880

<https://ibsc.ucsc.edu/facilities/cell-culture-facility>

### Quicklinks:

[https://coremarketplace.org/RRID:SCR\\_021353](https://coremarketplace.org/RRID:SCR_021353)

### Primary Contact:

Bari Holm Nazario

Last Updated: 07/13/2021

### Facility RRID

RRID:SCR\_021353

CITE THIS

### Facility Details

Provides recharge space for all UCSC PIs to use for research projects requiring sterile cell culture resources. Includes facility technical support.

### Facility Policies

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SEARCH THE COREMARKETPLACE



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List with the CoreMarketplace and get an RRID for your research facility.

Find out what the CoreMarketplace and RRIDs can mean for you. 

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Nate

Last Name: \*

Herzog

Email Address: \*

nsherzog@uvm.edu

Facility Institution/Company

(If your institution is not listed, please leave blank)

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We found one or more existing facility records that match your information. Please select your facility to continue.

☐ UVM-Test Facility

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If you wish to create a new facility listing, continue by clicking below.

[Create New](#)

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#### Download Import Template

If you have multiple facilities to add, you may download our [Facilities Setup Template](#)

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**Facility:** UVM-Test Facility

**Last Updated:** 04/25/2022

**Edit Link:** <https://coremarketplace.org/?e=RmFjaWxpdlHJRD04NzMmdD0xNjU5NDU0MzY5JkF1dGhDb2RlPTkyNzkwZjliNTg0ZDQ2Y2UxOGI2NDk0MTkxYmNhZTI5>

This link was created on 08/02/2022. It will expire in 48 hours.

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**The CoreMarketplace**

@ [coremarketplace@uvm.edu](mailto:coremarketplace@uvm.edu)

 <https://coremarketplace.org>

## DEMO (Sort of)

### Editing: UVM-Test Facility

 View Listing

#### General Information

Core Details

#### Contact Information

Associated Profiles

#### Facility Highlights

Equipment

Publications

Services

#### Metadata & Metrics

Associations

RRIDs & Identifiers

Listing Metrics

Marketplace Metrics

#### Administrative

Listing Settings

#### Facility Contact Information

Address\*

111 Test Ave

Address (Additional)

City\*

Burlington

State/Province (USA & Canada only)

Vermont

Zip Code

(USA and Canada, Please Fill Out if Applicable)

05401

Country\*

United States

Facility Website\*

Facility Phone

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[illegible]

## DEMO (Sort of)

### BRC Genomics Innovation Hub RRID Assignment @ CoreMarketplace



CoreMarketplace <coremarketplace@uvm.edu>

Tuesday, July 12, 2022 at 10:00 AM

To: CoreMarketplace



Your CoreMarketplace facility listing has been assigned the following RRID: RRID:SCR\_022547

Your RRID is a unique identifier for your facility. It can be used in publications to easily identify your facility as a component of the research that went into the paper. That published RRID will link back to your facility listing. It will show everything that you list about your facility and most importantly, it acknowledges your facility in the publication.

Your RRID is shown on your CoreMarketplace listing. It is cross-linked to the RRID database. You can also easily copy the full RRID but clicking the 'Cite This' link below it.

You can learn more about RRIDs here: <https://scicrunch.org/resources>

If you or any of your facility employees have an ORCID, you can connect your ORCID to your facility RRID. RRIDs are now accepted as a type of "work" in the ORCID system. It's another way to ensure everyone gets credit if a facility RRID is included in a publication, even if specific names are omitted. [Directions for linking your RRID to your ORCID can be found here](#)

Thanks for being a part of the CoreMarketplace.

Edit Link: <https://coremarketplace.org/?e=RmFjaWxpdHJRD0xMjA3JnQ9MTY1NzYzNDQ1OCZBdXRoQ29kZT01NTQ0ZTU0YWE3ZjlmMmQ2MGY4ZDEzYmVmN2FmOGM3Nw==>

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The CoreMarketplace

@ [coremarketplace@uvm.edu](mailto:coremarketplace@uvm.edu)

<https://coremarketplace.org>

Thank you

Nate Herzog

Project Lead

[nsherzog@uvm.edu](mailto:nsherzog@uvm.edu)

