

L Core Project OT2OD030544

O Details

Projects	Name	Award	Publications	Repositories	Analytics
3OT2OD030544-01S4	Biomedical Data Commons	\$3,229,346.00	63 publications	0 repositories	0 properties
3OT2OD030544-01S2	Workbench (BDCW)				
1OT2OD030544-01					
3OT2OD030544-01S3					
3OT2OD030544-01S1					

Publications

Published works associated with this project.

ID	Title	Authors	R C R	SJ R	Cit ati ons	Cit. /ye ar	Journal	Pub lish ed	Upd ated
39143213 🗗 DOI 🗗	Mitochondrial complex l promotes kidney cancer metastasis.	Bezwada, Divya 36 more DeBerardi nis, Ralph J	9. 21 1	18. 28 8	36	36	Nature	202 4	Aug 30, 2025 (just now)
38844817 🖸 DOI 🗗	Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunos	Scolaro, Tommaso 36 more Mazzone, Massimili ano	6. 60 5	0	25	25	Nat Cancer	202 4	Aug 30, 2025 (just now)
34862502 🗗 DOI 🗗	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Petras, Daniel33 more Wang, Mingxun	5. 65 2	0	48	16	Nat Methods	202 2	Aug 30, 2025 (just now)

<u>38636516</u> ♂ DOI ♂	Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids.	Dingare, Chaitanya 3 more Steventon , Benjamin	4. 22 9	0	16	16	Dev Cell	202 4	Aug 30, 2025 (just now)
37798473 🗗 DOI 🗗	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate	Miller, Anne 7 more Yellen, Gary	4. 00 6	0	24	12	Nat Metab	202 3	Aug 30, 2025 (just now)
38165806 ♂ DOI ♂	Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated t	Karagiann is, Dimitris 11 more Lu, Chao	3. 74 1	0	12	12	Cell Rep	202 4	Aug 30, 2025 (just now)
37349305 🗹 DOI 🖸	Defining diurnal fluctuations in mouse choroid plexus and CSF at high molecular, spatial, and tem	Fame, Ryann M 21 more Lehtinen, Maria K	3. 62 4	0	22	11	Nat Commun	202 3	Aug 30, 2025 (just now)

38286827 ♂ DOI ♂	Loss of Pip4k2c confers liver- metastatic organotropism through insulin-dependent PI3K-AKT pathway	Rogava, Meri 43 more Izar, Benjamin	3. 29 9	0	12	12	Nat Cancer	202 4	Aug 30, 2025 (just now)
39420002 乙	Methionine-SAM metabolism- dependent ubiquinone synthesis is crucial for ROS accumulation in ferro	Xia, Chaoyi 13 more Wang, Yang	2. 90 1	0	9	9	Nat Commun	202 4	Aug 30, 2025 (just now)
39305905 🗷 DOI 🗹	DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-sig	Kong, Shuyao 10 more Roeder, Adrienne H K	2. 50 8	0	8	8	Dev Cell	202 4	Aug 30, 2025 (just now)
38172157 亿 DOI 亿	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C 7 more Graham, Todd R	2. 38 4	0	7	7	Sci Rep	202 4	Aug 30, 2025 (just now)

37452018 🗗 DOI 🗗	Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis.	Takata, Nozomu 16 more Oliver, Guillermo	2. 14 3	0	17	8.5	Nat Commun	202 3	Aug 30, 2025 (just now)
37441265 🗹 DOI 🗹	Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation.	Morgan, Ethan W 12 more Perdew, Gary H	2. 00 4	0	12	6	Int J Tryptophan Res	202 3	Aug 30, 2025 (just now)
39206133 🗹 DOI 🗹	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format	Qu, Xianya 7 more Kronstad, James W	1. 83 7	0	5	5	Front Fungal Biol	202 4	Aug 30, 2025 (just now)
34721400 🗗 DOI 🗗	Immune Response in Severe and Non-Severe Coronavirus Disease 2019 (COVID-19) Infection: A Mechani	Mukund, Kavitha 6 more Subrama niam, Shankar	1. 78 7	0	31	7.7 5	Front Immunol	202 1	Aug 30, 2025 (just now)

38714664 🗹 DOI 🗹	FGFR inhibition blocks NF-κB- dependent glucose metabolism and confers metabolic vulnerabilities i	Zhen, Yuanli 11 more Bardeesy, Nabeel	1. 63 4	0	5	5	Nat Commun	202 4	Aug 30, 2025 (just now)
39535921 🗗	Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the t	Han, Xu 13 more Simon, M Celeste	1. 62 4	0	6	6	Cell Rep	202 4	Aug 30, 2025 (just now)
38813868 ☑ DOI ☑	Fetal growth delay caused by loss of non-canonical imprinting is resolved late in pregnancy and c	Oberin, Ruby 14 more Western, Patrick S	1. 43 7	0	5	5	Elife	202 4	Aug 30, 2025 (just now)
37815914 🗗 DOI 🗗	MYC is a regulator of androgen receptor inhibition-induced metabolic requirements in prostate can	Crowell, Preston D23 more Goldstein, Andrew S	1. 24 6	0	11	5.5	Cell Rep	202 3	Aug 30, 2025 (just now)

38161977 🗗 DOI 🗗	Gut microbiota and metabolites in estrus cycle and their changes in a menopausal transition rat m	Dai, Ruoxi 5 more Sun, Yan	1. 12 2	0	5	2.5	Front Endocrinol (Lausanne)	202 3	Aug 30, 2025 (just now)
38001239 ♂ DOI ♂	IL-1β-mediated adaptive reprogramming of endogenous human cardiac fibroblasts to cells with immun	Siamwala, Jamila H 11 more Gilbert, Richard J	0. 72 1	0	5	2.5	Commun Biol	202 3	Aug 30, 2025 (just now)
37515770 ♂ DOI ♂	The stability of the myelinating oligodendrocyte transcriptome is regulated by the nuclear lamina.	Pruvost, Mathilde 16 more Casaccia, Patrizia	0. 69 5	0	6	3	Cell Rep	202 3	Aug 30, 2025 (just now)
35448980 ♂ DOI ♂	Modular and mechanistic changes across stages of colorectal cancer.	Rahiminej ad, Sara 2 more Subrama niam, Shankar	0. 47 7	0	6	2	BMC Cancer	202 2	Aug 30, 2025 (just now)

37849634 ② DOI ②	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzhei	Patel, Ashay O2 more Subrama niam, Shankar	0. 29 1	0	2	1	J Alzheimers Dis Rep	202 3	Aug 30, 2025 (just now)
37983749 乙 DOI 乙	MetGENE: gene-centric metabolomics information retrieval tool.	Srinivasa n, Sumana 3 more Subrama niam, Shankar	0. 16 8	0	2	0.6 67	Gigascience	202	Aug 30, 2025 (just now)
37398141 ♂ DOI ♂	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C 7 more Graham, Todd R	0. 15 8	0	1	0.5	bioRxiv	202 3	Aug 30, 2025 (just now)

38226418 ♂ DOI ♂	Fatty acid metabolism promotes TRPV4 activity in lung microvascular endothelial cells in pulmonar	Philip, Nicolas 20 more Suresh, Karthik	0	0	2	2	Am J Physiol Lung Cell Mol Physiol	202 4	Aug 30, 2025 (just now)
38651675 🗹 DOI 🗹	A nested case-control study of untargeted plasma metabolomics and lung cancer among neversmoking	Rahman, Mohamm ad L 12 more Lan, Qing	0	0	3	3	Int J Cancer	202 4	Aug 30, 2025 (just now)
38018851 🗹 DOI 🗗	Lipidomic Analysis Reveals Differences in the Extent of Remyelination in the Brain and Spinal Cord.	De Silva Mohotti, Nishama 5 more Hartley, Meredith D	0	0	2	2	J Proteome Res	202 4	Aug 30, 2025 (just now)
38975764 🗹 DOI 🗹	Taurine modulates host cell responses to Helicobacter pylori VacA toxin.	Westland, Mandy D 5 more Cover, Timothy L	0	0	2	2	Infect Immun	202 4	Aug 30, 2025 (just now)

39464135 🗹 DOI 🗹	Pyruvate dehydrogenase kinase 1 controls triacylglycerol hydrolysis in cardiomyocytes.	Atser, Michael G 12 more Johnson, James D	0	0	0	0	bioRxiv	202 5	Aug 30, 2025 (just now)
39307306 🗹 DOI 🗹	Integrated multi-omics unveil the impact of H-phosphinic analogs of glutamate and α-ketoglutarate	Giovanne rcole, Fabio 4 more De Biase, Daniela	0	0	1	1	J Biol Chem	202 4	Aug 30, 2025 (just now)
39985215 🗗	Stress exposure in the mdx mouse model of Duchenne muscular dystrophy provokes a widespread metab	Johnson, Erynn E Ervasti, James M	0	0	0	0	FEBS J	202 5	Aug 30, 2025 (just now)
39707873 ☑ DOI ☑	Salivary Metabolomic Signatures in Pediatric Eosinophilic Esophagitis.	Hiremath, Girish 6 more Locke, Andrea	0	3.6 22	2	2	Allergy: European Journal of Allergy and Clinical Immunology	202 5	Aug 30, 2025 (just now)

40074083 C	Pyruvate dehydrogenase kinase 1 controls triacylglycerol hydrolysis in cardiomyocytes.	Atser, Michael G 12 more Johnson, James D	0	0	1	1	J Biol Chem	202 5	Aug 30, 2025 (just now)
40166866 [2] DOI [2]	Severe Cognitive Decline in Long- term Care Is Related to Gut Microbiome Production of Metabolites	Shoubrid ge, Andrew P 17 more Rogers, Geraint B	0	0	0	0	J Gerontol A Biol Sci Med Sci	202 5	Aug 30, 2025 (just now)
38102827 2 DOI 2	Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach.	Raja, Rubesh 5 more Ramkrish na, Doraiswa mi	0	0	0	0	Biophys J	202 4	Aug 30, 2025 (just now)
39328933 C	Deletion of <i>Kcnj16</i> altered transcriptomic and metabolomic profiles of Dahl salt-sensitive	Xu, Biyang4 more Starusche	0	1.3 63	1	1	iScience	202 4	Aug 30, 2025 (just now)

		nko, Alexander							
39824876 ♂ DOI ♂	Unveiling cellular changes in leukaemia cell lines after cannabidiol treatment through lipidomics.	Chamoso- Sanchez, David 6 more Pellati, Federica	0	0	0	0	Sci Rep	202 5	Aug 30, 2025 (just now)
38937647 🗷 DOI 🗹	Metabolic abnormalities in the bone marrow cells of young offspring born to mothers with obesity.	Phillips, Elysse A 4 more Maloyan, Alina	0	0	3	3	Int J Obes (Lond)	202 4	Aug 30, 2025 (just now)
40052831 ☑ DOI ☑	Human adenovirus serotype 5 infection dysregulates cysteine, purine, and unsaturated fatty acid m	Sanchez, Bailey-J C 1 more Grasis, Juris A	0	0	1	1	FASEB J	202 5	Aug 30, 2025 (just now)
40600951 🗹	Histidine decarboxylase inhibition attenuates cancer-associated muscle wasting.	Dasgupta, Aneesha 11 more	0	0	0	0	J Exp Med	202 5	Aug 30, 2025 (just now)

		Doles, Jason D							
40751246 🗗	Metabolomic profiling reveals interindividual metabolic variability and its association with card	Zhou, Meng 8 more Ma, Shizhan	0	0	0	0	Cardiovasc Diabetol	202 5	Aug 30, 2025 (just now)
39702518 🗗 DOI 🗗	Proteomic and metabolomic analyses of the human adult myocardium reveal ventriclespecific regula	Hunter, Benjamin 11 more Lal, Sean	0	0	2	2	Commun Biol	202 4	Aug 30, 2025 (just now)
38544285 乙 DOI 乙	Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L	Cochran, Samuel J 11 more Gowdy, Kymberly M	0	0	0	0	Toxicol Sci	202 4	Aug 30, 2025 (just now)
38761133 乙 DOI 乙	Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho	Welch, Nicole 14 more Dasarath y,	0	0	3	3	J Physiol	202 4	Aug 30, 2025 (just now)

		Srinivasa n							
39300135 ♂ DOI ♂	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Sun, Xiaomei 12 more Zou, Zhen	0	0	1	1	Nat Commun	202 4	Aug 30, 2025 (just now)
38313293 ♂ DOI ♂	Metabolic abnormalities in the bone marrow cells of young offspring born to obese mothers.	Alina, Maloyan 4 more Kumar, Sushil	0	0	0	0	Res Sq	202 4	Aug 30, 2025 (just now)
38187579 ♂ DOI ♂	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Farage, Gregory 5 more Sen, Śaunak	0	0	0	0	bioRxiv	202 3	Aug 30, 2025 (just now)
39395792 ② DOI ②	Modeling enzyme competition in eicosanoid metabolism in macrophage cells using a cybernetic frame	Khanum, Sana 5 more Ramkrish na,	0	0	0	0	J Lipid Res	202 4	Aug 30, 2025 (just now)

		Doraiswa mi							
40308032 ☑ DOI ☑	Integrated Multiomics Analyses of the Molecular Landscape of Sarcopenia in Alcohol-Related Liver 	Welch, Nicole13 more Dasarath y, Srinivasa n	0	0	0	0	J Cachexia Sarcopenia Muscle	202 5	Aug 30, 2025 (just now)
40312501 🗹 DOI 🗹	Synaptic vesicle-omics in mice captures signatures of aging and synucleinopathy.	Gao, Virginia 14 more Burré, Jacquelin e	0	0	0	0	Nat Commun	202 5	Aug 30, 2025 (just now)
40369079 ☑ DOI ☑	Taurine from tumour niche drives glycolysis to promote leukaemogenesis.	Sharma, Sonali 21 more Bajaj, Jeevisha	0	18. 28 8	5	5	Nature	202 5	Aug 30, 2025 (just now)
38926365 ♂ DOI ♂	METTL3-mediated chromatin contacts promote stress granule	Wang, Chen 17	0	0	2	2	Nat Commun	202 4	Aug 30, 2025

	phase separation	n through meta	abolic	more								(just
	repr			Zhang,								now)
				Rugang								
				Tsenkova,								۸~
	Ketogenic diet sı	uppresses		Mina								Aug
<u>39979287</u> 🛂	colorectal cance	r through the g	ut	22	- : 4 O - :	- 0	5	5	Nat C	ommun	202	30,
<u>DOI</u> 🛂	microbiome long	g chain fatty aci	.d </td <td>more po</td> <td>sitori</td> <td>es</td> <td>5</td> <td>5</td> <td>Nat C</td> <td>JIIIIIUII</td> <td>5</td> <td>2025</td>	more po	sitori	es	5	5	Nat C	JIIIIIUII	5	2025
	stea			Letellier,								(just
		a 6		Elisabeth								now)
		Software	e repos	itories asso	ociated	with	this pr	oject.				
				Carvalho,								
				Diego								Αιισ
Name De	escription	Stars	Watch	ers	Forks		Issues		PRs	Commits	Con	trib.
DOI 🗹	AD neurotoxic as	strocytes.		Arredond	ata	U	U	U	JFIOR	COTTIICS	5	(just
				Ο,								now)
				Florencia								
Name Tags	Last Commit	Avg Issue	Avg PR	Langua	ages	Lice	1SE	Readr	ne Co	ntributing	Depende	encies
					_	Licci	.50	iteaui	iic cc		Depende	
				ad, Sala da		Licci	150	Readi	ne ce	8	Берена	Aug
20026210 [7	Single-cell transc	riptomics reve	als	•		Licci		Reaui		8	·	
38826219 2	Single-cell transo	-		ad, Saka da		0	0	0	Res So		202	Aug
38826219 ♂ DOI ♂	_	specificity of ge		ad, Sala da 2	ata						·	Aug 30,
	stage- and side-s	specificity of ge		ad, Sala da 2 more	ata						202	Aug 30, 2025
	stage- and side-s	specificity of ge		ad, Sala da 2 more Subrama	ata						202	Aug 30, 2025 (just
DOI C	stage- and side-s modules in color	specificity of ge rectal can	ne	ad, Salva da 2 more Subrama niam,	ata				Res So	7	202	Aug 30, 2025 (just now)
	stage- and side-s	specificity of ge rectal can d metabolomic	ne s	ad, Salva da 2 more Subrama niam, Shankar	ata O	0	0	0		7	202	Aug 30, 2025 (just

Notes

Repository	For storing, tracking changes to, and collaborating on a piece of software.	
PR	"Pull request", a draft change (new feature, bug fix, etc.) to a repo.	(iust

Analytics

Traffic metrics of websites associated with this project.

Notes

Active Users Distinct users who visited the website .

Users who visited the website for the first time **2**. New Users

Engaged Sessions <u>Visits that had significant interaction</u> **∠**.

Built o	on Aug	30, 2025
---------	--------	----------

ou ucturar ariu systems

Developed with support from NIH Award U54 OD036472 HIGIST I 30,

39257804 🗹	characterization of phosphorylation on metabolic enzymes identifies sex-sp	15 more White, Forest M	0	0	0	0	bioRxiv	202 4	2025 (just now)
40441152 🗹	Structural and systems characterization of phosphorylation	Tamir, Tigist Y 15	0	0	0	0	Mol Cell	202 5	Aug 30, 2025

[&]quot;Top" metrics are measured by number of engaged sessions.

	on metabolic enzymes identifies sex-sp	more White, Forest M							(just now)
40502162 ♂ DOI ♂	OGDHL regulates nucleotide metabolism, tumor growth, and neuroendocrine marker expression in pros	Bernard, Matthew J 19 more Goldstein, Andrew S	0	0	0	0	bioRxiv	202 5	Aug 30, 2025 (just now)

Notes

RCR Relative Citation Ratio

SJR Scimago Journal Rank

Publications (cumulative)



