

L Core Project OT2OD030544

O Details

Projects	Name	Award	Publications	Repositories	Analytics
3OT2OD030544-01S4	Biomedical Data Commons	\$3,229,346.00	66 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. 28 1	18. 28 8	39	39	Nature	202 4	Sep 11, 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. 41 8	0	26	26	Nat Cancer	202 4	Sep 11, 2025 (just now)
34862502 🗗 DOI 🗗	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Petras, Daniel33 more Wang, Mingxun	5. 59 7	0	49	16. 333	Nat Methods	202 2	Sep 11, 2025 (just now)

38636516 🗗	Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids.	Dingare, Chaitanya 3 more Steventon , Benjamin	3. 91 1	0	16	16	Dev Cell	202 4	Sep 11, 2025 (just now)
37798473 🗗 DOI 🗗	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate	Miller, Anne 7 more Yellen, Gary	3. 81 7	0	24	12	Nat Metab	202 3	Sep 11, 2025 (just now)
39420002 🗗	Methionine-SAM metabolism- dependent ubiquinone synthesis is crucial for ROS accumulation in ferro	Xia, Chaoyi 13 more Wang, Yang	3. 62	0	12	12	Nat Commun	202 4	Sep 11, 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. 61 9	0	23	11. 5	Nat Commun	202 3	Sep 11, 2025 (just now)

38165806 🖸	Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated t	Karagiann is, Dimitris 11 more Lu, Chao	3. 44 2	0	12	12	Cell Rep	202 4	Sep 11, 2025 (just now)
38286827 乙 DOI 乙	Loss of Pip4k2c confers liver- metastatic organotropism through insulin-dependent PI3K-AKT pathway	Rogava, Meri 43 more Izar, Benjamin	3. 05 4	0	12	12	Nat Cancer	202 4	Sep 11, 2025 (just now)
39305905 乙	DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-sig	Kong, Shuyao10 more Roeder, Adrienne H K	2. 59 5	0	9	9	Dev Cell	202 4	Sep 11, 2025 (just now)
<u>38172157</u> ♂ DOI ♂	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C 7 more Graham, Todd R	2. 21 5	0	7	7	Sci Rep	202 4	Sep 11, 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. 08 6	0	13	6.5	Int J Tryptophan Res	202 3	Sep 11, 2025 (just now)
37452018 🗗 DOI 🗗	Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis.	Takata, Nozomu 16 more Oliver, Guillermo	2. 04 2	0	17	8.5	Nat Commun	202 3	Sep 11, 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. 99 3	0	7	7	Nat Commun	202 4	Sep 11, 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. 81	0	32	8	Front Immunol	202 1	Sep 11, 2025 (just now)

39535921 ♂ DOI ♂	Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the t	Han, Xu 13 more Simon, M Celeste	1. 78 1	0	7	7	Cell Rep	202 4	Sep 11, 2025 (just now)
39206133 🗗 DOI 🗗	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format	Qu, Xianya 7 more Kronstad, James W	1. 71	0	5	5	Front Fungal Biol	202 4	Sep 11, 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. 54 9	0	6	6	Elife	202 4	Sep 11, 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. 29 3	0	12	6	Cell Rep	202 3	Sep 11, 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. 07	0	5	2.5	Front Endocrinol (Lausanne)	202 3	Sep 11, 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. 83	0	6	3	Commun Biol	202 3	Sep 11, 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. 78 3	0	7	3.5	Cell Rep	202 3	Sep 11, 2025 (just now)
37849634 ☑ DOI ☑	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzhei	Patel, Ashay O2 more Subrama niam, Shankar	0. 47 6	0	3	1.5	J Alzheimers Dis Rep	202 3	Sep 11, 2025 (just now)

35448980 🗷	Modular and mechanistic changes across stages of colorectal cancer.	Rahiminej ad, Sara 2 more Subrama niam, Shankar	0. 46 4	0	6	2	BMC Cancer	202 2	Sep 11, 2025 (just now)
37983749 🖸 DOI 🗗	MetGENE: gene-centric metabolomics information retrieval tool.	Srinivasan , Sumana 3 more Subrama niam, Shankar	0. 16 3	0	2	0.6 67	Gigascience	202 2	Sep 11, 2025 (just now)
37398141 🖸	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C 7 more Graham, Todd R	0. 15	0	1	0.5	bioRxiv	202 3	Sep 11, 2025 (just now)
38226418 ② DOI ②	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	Sep 11, 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	Sep 11, 2025 (just now)
<u>38187579</u> ♂ DOI ♂	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Farage, Gregory 5 more Sen, Śaunak	0	0	0	0	bioRxiv	202 3	Sep 11, 2025 (just now)
37546759 🗗 DOI 🗗	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate	Miller, Anne 7 more Yellen, Gary	0	0	0	0	Res Sq	202 3	Sep 11, 2025 (just now)

38318337 ☑ DOI ☑	Exploring the interplay between running exercises, microbial diversity, and tryptophan metabolism	Vazquez- Medina, Alejandra 6 more Chorna, Nataliya	0	0	4	4	Front Microbiol	202 4	Sep 11, 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	Sep 11, 2025 (just now)
39300135 ☑ DOI ☑	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Sun, Xiaomei 12 more Zou, Zhen	0	0	2	2	Nat Commun	202 4	Sep 11, 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	Sep 11, 2025 (just now)

40052831 🗗	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	Sep 11, 2025 (just now)
40074083 🗹	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	Sep 11, 2025 (just now)
40863167 🗹 DOI 🗗	Metabolomics Network Analysis of Various Genotypes Associated with Schizophrenia Gene Variant.	Rajula, Hema Sekhar Reddy 8 more Fanos, Vassilios	0	0.9 96	0	0	Metabolites	202 5	Sep 11, 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,	0	0	2	2	J Proteome Res	202 4	Sep 11, 2025 (just now)

		Meredith D							
38544285 ② DOI ②	Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L	Cochran, Samuel J11 more Gowdy, Kymberly M	0	0	1	1	Toxicol Sci	202 4	Sep 11, 2025 (just now)
39448026 🗗	Untargeted metabolomics of 3xTg-AD neurotoxic astrocytes.	Carvalho, Diego9 more Arredond o, Florencia	0	0	0	0	J Proteomics	202 5	Sep 11, 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	Sep 11, 2025 (just now)
39257804 🖸	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp	Tamir, Tigist Y 15 more	0	0	0	0	bioRxiv	202 4	Sep 11, 2025

		White, Forest M							(just now)
38761133 ☑ DOI ☑	Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho	Welch, Nicole14 more Dasarathy , Srinivasan	0	0	3	3	J Physiol	202 4	Sep 11, 2025 (just now)
38926365 ☑ DOI ☑	METTL3-mediated chromatin contacts promote stress granule phase separation through metabolic repr	Wang, Chen 17 more Zhang, Rugang	0	0	3	3	Nat Commun	202 4	Sep 11, 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	Sep 11, 2025 (just now)
40308032 🗹	Integrated Multiomics Analyses of the Molecular Landscape of Sarcopenia in Alcohol-Related Liver 	Welch, Nicole 13 more Dasarathy	0	0	0	0	J Cachexia Sarcopenia Muscle	202 5	Sep 11, 2025 (just now)

		, Srinivasan							
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	Sep 11, 2025 (just now)
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	Sep 11, 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	Sep 11, 2025 (just now)
39395792 🗗	Modeling enzyme competition in eicosanoid metabolism in macrophage cells using a cybernetic frame	Khanum, Sana 5 more Ramkrish	0	0	0	0	J Lipid Res	202 4	Sep 11, 2025 (just now)

		na, Doraiswa mi							
40312501 ♂ DOI ♂	Synaptic vesicle-omics in mice captures signatures of aging and synucleinopathy.	Gao, Virginia 14 more Burré, Jacqueline	0	0	0	0	Nat Commun	202 5	Sep 11, 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	Sep 11, 2025 (just now)
40502162 🗗	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	Sep 11, 2025 (just now)
39985215 🗗 DOI 🗗	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	Sep 11, 2025 (just now)

39328933 ♂ DOI ♂	Deletion of <i>Kcnj16</i> altered transcriptomic and metabolomic profiles of Dahl salt-sensitive	Xu, Biyang4 more Starusche nko, Alexander	0	1.3 63	1	1	iScience	202 4	Sep 11, 2025 (just now)
38313293 乙 DOI 乙	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	Sep 11, 2025 (just now)
40791373 ♂ DOI ♂	ndufs2 ^{-/-} zebrafish have impaired survival, neuromuscular activity, morphology, and on	Mitchell, Dana V 10 more Falk, Marni J	0	0	0	0	bioRxiv	202 5	Sep 11, 2025 (just now)
39979287 ♂ DOI ♂	Ketogenic diet suppresses colorectal cancer through the gut microbiome long chain fatty acid stea	Tsenkova, Mina 22 Repos Letellier, Elisabeth	0 itor	o ies	7	7	Nat Commun	202 5	Sep 11, 2025 (just now)

Software repositories associated with this project.

Name	Description	Stars	Watchers	Forks	Issues	PRs	Commits	Con	trib.
			١	lo data					
			Phillip	S,					Sep
			Flysse	Δ					366
Name Tag	gs Last Commit	Avg Issue	Avg PR Lai	nguages L	icense Re	eadme	Contributing	Depende	encies
טטו טט 🖒	born to mothers	with obesity.	more. Malo	 lo data an,				4	(just
			Alina	ari,					now)
Notes			Rahim	ninej					
			ad, Sa	ra					Sep
Repository 38826219 [2	Fosinspoeing tmadkio	ogipatoomigesstev,	eantid collabørat	ing on a piec	e of softwar	e.		202	11,
P <u>bol</u> 2	stage- and side-s "Pull request", a di modules in color	specificity of g raft change (fi rectal can	ene more ew feature, bug Subra	g fix, etc.) to a ma	o repo. ⁰	0 Re	s Sq	4	2025 (just
Closed/Open	Resolved/unresolv		niam,						now)
Avg Issue/PR	Average time issue	es/pull reques	its stay op शिकारी	ѓ ^а веfore bein	g closed.				
Only the mair	n/default branch is c	considered for	r metrics l∯ie₩	₿ ₱ € ommits.					
# of depender	ncies is totaled from integrated multi-	-all manifests	rcole, in repo, d <u>irect :</u> the	and transitive	e, e.g. packa	age.json	+ package-lo	ck.json.	Sep 11,
39307306 ☑ DOI ☑	impact of H-phos			0	0 1	1 J B	iol Chem	202 4	2025

Analytics

Traffic metrics of websites associated with this project.

Active Users <u>Distinct users who visited the website</u> 2.

New Users <u>Users who visited the website for the first time</u> **.**

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

"Top" metrics are measured by number of engaged sessions.

lt on Sep 11, 20	25			De	velope	d with	support from NIH Awar	d U54	OD0364
		nıam, Shankar							now)
40441152 ② DOI ②	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp	Tamir, Tigist Y 15 more White, Forest M	0	0	0	0	Mol Cell	202 5	Sep 11, 2025 (just now)
40166866 Z	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	Sep 11, 2025 (just now)
40828023 🗗	Synergistic action of specialized metabolites from divergent biosynthesis in the human oral micro	Loop Yao, McKenna 7 more Zhang, Wenjun	0	0	0	0	Proc Natl Acad Sci U S A	202 5	Sep 11, 2025 (just now)

40600951 🗗	Histidine decarboxylase inhibition attenuates cancer-associated muscle wasting.	Dasgupta, Aneesha 11 more Doles,	0	0	0	0	J Exp Med	202 5	Sep 11, 2025 (just now)
Notes		Jason D							11011)

RCR Relative Citation Ratio

SJR Scimago Journal Rank

Publications (cumulative)

