



(Core Project OT2OD030544)

Overview

High-level info about this project.

Projects

3OT2OD030544-01S2
3OT2OD030544-01S4
1OT2OD030544-01
3OT2OD030544-01S3
3OT2OD030544-01S1

Name

Biomedical Data Commons
Workbench (BDCW)

Award

\$3,229,346.00

Publications

75 publications

Repositories

0 repositories

Analytics

0 properties

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	Mitochondrial complex I promotes kidney cancer metastasis.	Bezwada, Divya ...36 more... DeBerardini, Ralph J	8. 65 5	18. 28 8	54	54	Nature	2024	Dec 10, 2025 (just now)
40670786	Imidazole propionate is a driver and therapeutic target in atherosclerosis.	Mastrangelo, Annalaura ...37 more... Sancho, David	6. 02	18. 28 8	12	12	Nature	2025	Dec 10, 2025 (just now)

38844817	Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunos...	Scolaro, Tommaso ...36 more... Mazzone, Massimilia no	5. 80 3	0	35	35	Nat Cancer	2024	Dec 10, 2025 (just now)
39979287	Ketogenic diet suppresses colorectal cancer through the gut microbiome long chain fatty acid stea...	Tsenkova, Mina ...22 more... Letellier, Elisabeth	5. 48 8	0	11	11	Nat Commun	2025	Dec 10, 2025 (just now)
34862502	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Petras, Daniel ...33 more... Wang, Mingxun	5. 43 8	0	53	17. 667	Nat Methods	2022	Dec 10, 2025 (just now)
40369079	Taurine from tumour niche drives glycolysis to promote leukaemogenesis.	Sharma, Sonali ...21 more... Bajaj, Jeevisha	4. 99 1	18. 28 8	10	10	Nature	2025	Dec 10, 2025 (just now)

37798473	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate...	Miller, Anne ...7 more... Yellen, Gary	4. 00 6	0	29	14. 5	Nat Metab	2023	Dec 10, 2025 (just now)
38165806	Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated t...	Karagiannis, Dimitris ...11 more... Lu, Chao	3. 96	0	17	17	Cell Rep	2024	Dec 10, 2025 (just now)
38636516	Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids.	Dingare, Chaitanya ...3 more... Steventon, Benjamin	3. 57 7	0	20	20	Dev Cell	2024	Dec 10, 2025 (just now)
39420002	Methionine-SAM metabolism-dependent ubiquinone synthesis is crucial for ROS accumulation in ferro...	Xia, Chaoyi ...13 more... Wang, Yang	3. 49 7	0	15	15	Nat Commun	2024	Dec 10, 2025 (just now)

37349305	Defining diurnal fluctuations in mouse choroid plexus and CSF at high molecular, spatial, and tem...	Fame, Ryann M ...21 more... Lehtinen, Maria K	3. 39 9	0	25	12. 5	Nat Commun	2023	Dec 10, 2025 (just now)
39300135	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Sun, Xiaomei ...12 more... Zou, Zhen	3. 19 8	0	9	9	Nat Commun	2024	Dec 10, 2025 (just now)
39754192	Integrative multiomics reveals common endotypes across PSEN1, PSEN2, and APP mutations in familia...	Valdes, Phoebe ...9 more... Subramaniam, Shankar	3. 00 8	0	6	6	Alzheimers Res Ther	2025	Dec 10, 2025 (just now)
38714664	FGFR inhibition blocks NF-κB-dependent glucose metabolism and confers metabolic vulnerabilities i...	Zhen, Yuanli ...11 more... Bardeesy, Nabeel	2. 94 9	0	15	15	Nat Commun	2024	Dec 10, 2025 (just now)

39305905	DRMY1 promotes robust morphogenesis in <i>Arabidopsis</i> by sustaining the translation of cytokinin-sig...	Kong, Shuyao ...10 more... Roeder, Adrienne H K	2. 75 8	0	12	12	Dev Cell	2024	Dec 10, 2025 (just now)
38286827	Loss of Pip4k2c confers liver-metastatic organotropism through insulin-dependent PI3K-AKT pathway...	Rogava, Meri ...43 more... Izar, Benjamin	2. 73 5	0	15	15	Nat Cancer	2024	Dec 10, 2025 (just now)
38318337	Exploring the interplay between running exercises, microbial diversity, and tryptophan metabolism...	Vazquez-Medina, Alejandra ...6 more... Chorna, Nataliya	2. 50 2	0	8	8	Front Microbiol	2024	Dec 10, 2025 (just now)
37441265	Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation.	Morgan, Ethan W ...12 more... Perdew, Gary H	2. 44 8	0	18	9	Int J Tryptophan Res	2023	Dec 10, 2025 (just now)

39206133	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format...	Qu, Xianya ...7 more... Kronstad, James W	2. 41 8	0	7	7	Front Fungal Biol	2024	Dec 10, 2025 (just now)
38172157	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C ...7 more... Graham, Todd R	2. 36 3	0	9	9	Sci Rep	2024	Dec 10, 2025 (just now)
37452018	Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis.	Takata, Nozomu ...16 more... Oliver, Guillermo	2. 25	0	21	10. 5	Nat Commun	2023	Dec 10, 2025 (just now)
38226418	Fatty acid metabolism promotes TRPV4 activity in lung microvascular endothelial cells in pulmonar...	Philip, Nicolas ...20 more... Suresh, Karthik	2. 19 6	0	8	8	Am J Physiol Lung Cell Mol Physiol	2024	Dec 10, 2025 (just now)
39535921	Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the t...	Han, Xu ...13 more...	2. 17 6	0	12	12	Cell Rep	2024	Dec 10, 2025

		Simon, M Celeste		(just now)
34721400	Immune Response in Severe and Non-Severe Coronavirus Disease 2019 (COVID-19) Infection: A Mechanism...	Mukund, Kavitha ...6 more... Subramanian, Shankar	1. 86 5	0 35 8.7 5
				Front Immunol
				2021
38161977	Gut microbiota and metabolites in estrus cycle and their changes in a menopausal transition rat m...	Dai, Ruoxi ...5 more... Sun, Yan	1. 36 3	0 7 3.5
				Front Endocrinol (Lausanne)
				2023
37815914	MYC is a regulator of androgen receptor inhibition-induced metabolic requirements in prostate can...	Crowell, Preston D ...23 more... Goldstein, Andrew S	1. 21 2	0 13 6.5
				Cell Rep
				2023
38813868	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. 13 2	0 6 6
				Elife
				2024
				(just now)

38018851	Lipidomic Analysis Reveals Differences in the Extent of Remyelination in the Brain and Spinal Cord.	De Silva Mohotti, Nishama ...5 more... Hartley, Meredith D	1. 06 3 3	0	3	J Proteome Res	2024	Dec 10, 2025 (just now)
38001239	IL-1 β -mediated adaptive reprogramming of endogenous human cardiac fibroblasts to cells with immun...	Siamwala, Jamila H ...11 more... Gilbert, Richard J	1. 01 3	0	8	4	Commun Biol	2023
38926365	METTL3-mediated chromatin contacts promote stress granule phase separation through metabolic repr...	Wang, Chen ...17 more... Zhang, Rugang	0. 96	0	6	6	Nat Commun	2024
38937647	Metabolic abnormalities in the bone marrow cells of young offspring born to mothers with obesity.	Phillips, Elysse A ...4 more... Maloyan, Alina	0. 87 2	0	3	3	Int J Obes (Lond)	2024

38761133	Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho...	Welch, Nicole ...14 more... Dasarathy, Srinivasan	0. 75 4	0	3	3	J Physiol	2024	Dec 10, 2025 (just now)
37515770	The stability of the myelinating oligodendrocyte transcriptome is regulated by the nuclear lamina.	Pruvost, Mathilde ...16 more... Casaccia, Patrizia	0. 68 4	0	7	3.5	Cell Rep	2023	Dec 10, 2025 (just now)
39307306	Integrated multi-omics unveil the impact of H-phosphinic analogs of glutamate and α-ketoglutarate...	Giovanner cole, Fabio ...4 more... De Biase, Daniela	0. 62 5	0	2	2	J Biol Chem	2024	Dec 10, 2025 (just now)
37849634	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzheimer's Disease	Patel, Ashay O ...2 more... Subramanian, Shankar	0. 59 2	0	4	2	J Alzheimers Dis Rep	2023	Dec 10, 2025 (just now)

38651675	A nested case-control study of untargeted plasma metabolomics and lung cancer among never-smoking...	Rahman, Mohamm ad L ...12 more... Lan, Qing	0. 51 7	0 3 3	Int J Cancer	2024	Dec 10, 2025 (just now)
38975764	Taurine modulates host cell responses to Helicobacter pylori VacA toxin.	Westland, Mandy D ...5 more... Cover, Timothy L	0. 51 2	0 2 2	Infect Immun	2024	Dec 10, 2025 (just now)
39702518	Proteomic and metabolomic analyses of the human adult myocardium reveal ventricle-specific regula...	Hunter, Benjamin ...11 more... Lal, Sean	0. 46 2	0 2 2	Commun Biol	2024	Dec 10, 2025 (just now)
38544285	Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L...	Cochran, Samuel J ...11 more... Gowdy, Kymberly M	0. 44 1	0 1 1	Toxicol Sci	2024	Dec 10, 2025 (just now)

39328933	Deletion of <i>Kcnj16</i> altered transcriptomic and metabolomic profiles of Dahl salt-sensitive ...	Xu, Biyang ...4 more... Starusche nko, Alexander	0. 42	1.3 63	1	1	iScience	2024	Dec 10, 2025 (just now)
35448980	Modular and mechanistic changes across stages of colorectal cancer.	Rahiminejad, Sara ...2 more... Subramanian, Shankar	0. 41 1	0	6	2	BMC Cancer	2022	Dec 10, 2025 (just now)
38826219	Single-cell transcriptomics reveals stage- and side-specificity of gene modules in colorectal can...	Rahiminejad, Sara ...2 more... Subramanian, Shankar	0. 32 9	0	1	1	Res Sq	2024	Dec 10, 2025 (just now)
37983749	MetGENE: gene-centric metabolomics information retrieval tool.	Srinivasan, Sumana ...3 more... Subramanian, Shankar	0. 15 1	0	2	0.6 67	Gigascience	2022	Dec 10, 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. 13 4	0	1	0.5	bioRxiv	2023	Dec 10, 2025 (just now)
39824876	Unveiling cellular changes in leukaemia cell lines after cannabidiol treatment through lipidomics.	Chamoso-Sanchez, David ...6 more... Pellati, Federica	0	0	1	1	Sci Rep	2025	Dec 10, 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	2025	Dec 10, 2025 (just now)
40308032	Integrated Multiomics Analyses of the Molecular Landscape of Sarcopenia in Alcohol-Related Liver ...	Welch, Nicole ...13 more... Dasarathy, Srinivasan	0	0	0	0	J Cachexia Sarcopenia Muscle	2025	Dec 10, 2025 (just now)
40828023	Synergistic action of specialized metabolites from divergent	Loop Yao, McKenna ...7 more...	0	0	2	2	Proc Natl Acad Sci U S A	2025	Dec 10, 2025

	biosynthesis in the human oral micro...	Zhang, Wenjun						(just now)
41266305	A taxon-specific measurement of disruption in a multi-modal study of microbiomes and metabolomes ...	Fouladi, F ...10 more... Peddada, S D	0	0	0	0	Nat Commun	Dec 10, 2025 (just now)
37546759	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate...	Miller, Anne ...7 more... Yellen, Gary	0	0	0	0	Res Sq	Dec 10, 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	Dec 10, 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	Dec 10, 2025 (just now)
40166866	Severe Cognitive Decline in Long-term Care Is Related to Gut	Shoubridge, Andrew P	0	0	3	3	J Gerontol A Biol Sci Med Sci	Dec 10, 2025

	Microbiome Production of Metabolites...	...17 more... Rogers, Geraint B						(just now)
39448026	Untargeted metabolomics of 3xTg-AD neurotoxic astrocytes.	Carvalho, Diego ...9 more... Arredondo , Florencia	0	0	0	0	J Proteomics	2025 Dec 10, 2025 (just now)
38102827	Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach.	Raja, Rubesh ...5 more... Ramkrishn a, Doraiswa mi	0	0	0	0	Biophys J	2024 Dec 10, 2025 (just now)
38187579	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Farage, Gregory ...5 more... Sen, Śaunak	0	0	0	0	bioRxiv	2023 Dec 10, 2025 (just now)
40863167	Metabolomics Network Analysis of Various Genotypes Associated with Schizophrenia Gene Variant.	Rajula, Hema Sekhar Reddy ...8 more...	0	0.9 96	0	0	Metabolites	2025 Dec 10, 2025 (just now)

	Fanos, Vassilios								
	Alicea Pauneto, Coral Del Mar ...22 more... Thaxton, Jessica E								
41005293 DOI	Intra-tumoral hypoxia promotes CD8 ⁺ T cell dysfunction via chronic activation of integrins	Immunity	0	0	0	0	2025	Dec 10, 2025 (just now)	
40751246 DOI	Metabolomic profiling reveals interindividual metabolic variability and its association with cardiovascular disease	Cardiovasc Diabetol	0	0	1	1	2025	Dec 10, 2025 (just now)	
40502162 DOI	OGDHL regulates tumor growth, neuroendocrine marker expression, and nucleotide abundance in prostate cancer	bioRxiv	0	0	0	0	2025	Dec 10, 2025 (just now)	
41238532 DOI	The SLC1A1/EAAT3 dicarboxylic amino acid transporter is an epigenetically dysregulated nutrient c...	Nat Commun	0	0	3	3	2025	Dec 10, 2025 (just now)	

	ty, Abhishek A										
41251214	Surface acoustic wave hemolysis assay for evaluating stored red blood cells.	Song, Meiou ...6 more...	0	0	0	0	Lab Chip	2025	Dec 10, 2025 (just now)		
40312501	Synaptic vesicle-omics in mice captures signatures of aging and synucleinopathy.	Gao, Virginia ...14 more...	0	0	0	0	Nat Commun	2025	Dec 10, 2025 (just now)		
39464135	Pyruvate dehydrogenase kinase 1 controls triacylglycerol hydrolysis in cardiomyocytes.	Atser, Michael G ...12 more...	0	0	0	0	bioRxiv	2025	Dec 10, 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	2024	Dec 10, 2025 (just now)		

</> Repositories



Website metrics associated with this project.

Notes

Active Users [Distinct users who visited the website ↗](#).

New Users [Users who visited the website for the first time ↗](#).

Engaged Sessions [Visits that had significant interaction ↗](#).

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

		Skarlatos G						now)
40932625 ↗ DOI ↗	Autoimmune disease risk gene ANKRD55 promotes TH17 effector function through metabolic modulation.	Xu, Jinjin ...14 more... Xavier, Ramnik J	0	0	0	0	J Exp Med	Dec 10, 2025 (just now)
40759793 ↗ DOI ↗	Left ventricular myocardial molecular profile of human diabetic ischaemic cardiomyopathy.	Hunter, Benjamin ...16 more... Lal, Sean	0	0	1	1	EMBO Mol Med	Dec 10, 2025 (just now)
40791373 ↗ DOI ↗	ndufs2^{-/-} zebrafish have impaired survival,	Mitchell, Dana V ...10	0	0	1	1	bioRxiv	Dec 10, 2025

[40600951](#) ↗
[DOI](#) ↗

neuromuscular activity,
morphology, and on...

more...
Falk,
Marni J

(just
now)

Histidine decarboxylase inhibition
attenuates cancer-associated
muscle wasting.

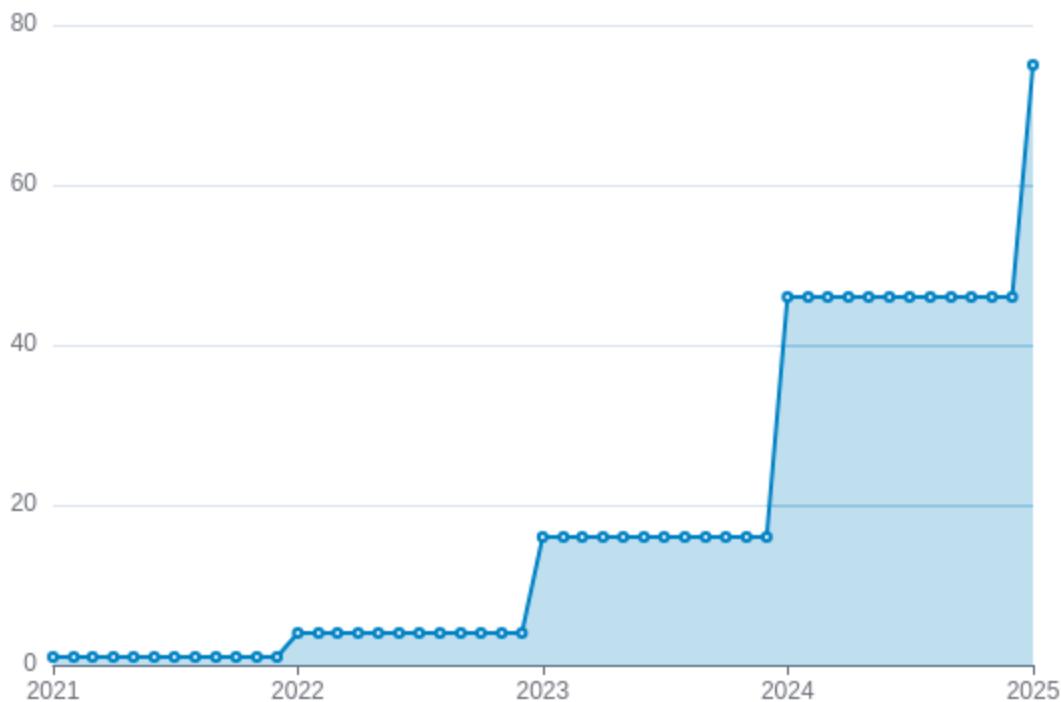
Dasgupta,
Aneesha
...11
more...
Doles,

0 0 0 0 J Exp Med

Dec
10,
2025
5
(just
now)

Publications (cumulative)

Total: 75



Notes

RCR [Relative Citation Ratio ↗](#)

SJR [Scimago Journal Rank ↗](#)