



## (Core Project OT2OD030544)

### ⓘ Details

Projects	Name	Award	Publications	Repositories	Analytics
3OT2OD030544-01S4	Biomedical Data Commons	\$3,229,346.00	69 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 lished	Upd ated
<a href="#">39143213</a>	Mitochondrial complex I promotes kidney cancer metastasis.	Bezwada, Divya ...36 more... DeBerardini, Ralph J	8. 54 3	18. 28 8	50	50	Nature	2024	Nov 20, 2025 (just now)
<a href="#">34862502</a>	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Petras, Daniel ...33 more... Wang, Mingxun	5. 58 6	0	53	17. 667	Nat Methods	2022	Nov 20, 2025 (just now)
<a href="#">38844817</a>	Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunos...	Scolaro, Tommaso ...36 more... Mazzone, Massimiliano	5. 49 9	0	31	31	Nat Cancer	2024	Nov 20, 2025 (just now)
<a href="#">39979287</a>	Ketogenic diet suppresses colorectal cancer through the gut microbiome long chain fatty acid stea...	Tsenkova, Mina ...22 more... Letellier, Elisabeth	5. 00 1	0	10	10	Nat Commun	2025	Nov 20, 2025 (just now)

<a href="#">40369079</a>	Taurine from tumour niche drives glycolysis to promote leukaemogenesis.	Sharma, Sonali ...21 more... Bajaj, Jeevisha	5. 00 1	18. 28 8	10 10	Nature	2025 5	Nov 20, 2025 (just now)
<a href="#">38165806</a>	Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated t...	Karagiannis, Dimitris ...11 more... Lu, Chao	4. 25 3	0	17 17	Cell Rep	2024	Nov 20, 2025 (just now)
<a href="#">40670786</a>	Imidazole propionate is a driver and therapeutic target in atherosclerosis.	Mastrangelo, Annalaura ...37 more... Sancho, David	4. 00 5	18. 28 8	8 8	Nature	2025	Nov 20, 2025 (just now)
<a href="#">39420002</a>	Methionine-SAM metabolism-dependent ubiquinone synthesis is crucial for ROS accumulation in ferro...	Xia, Chaoyi ...13 more... Wang, Yang	3. 75 6	0	15 15	Nat Commun	2024	Nov 20, 2025 (just now)

<a href="#">37798473</a>	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate...	Miller, Anne ...7 more... Yellen, Gary	3. 71 9	0	26	13	Nat Metab	2023	Nov 20, 2025 (just now)
<a href="#">38636516</a>	Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids.	Dingare, Chaitanya ...3 more... Steventon ,	3. 54 3	0	19	19	Dev Cell	2024	Nov 20, 2025 (just now)
<a href="#">37349305</a>	Defining diurnal fluctuations in mouse choroid plexus and CSF at high molecular, spatial, and tem...	Fame, Ryann M ...21 more... Lehtinen, Maria K	3. 54	0	25	12. 5	Nat Commun	2023	Nov 20, 2025 (just now)
<a href="#">39300135</a>	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Sun, Xiaomei ...12 more... Zou, Zhen	2. 99 3	0	8	8	Nat Commun	2024	Nov 20, 2025 (just now)

<a href="#">38286827</a>	Loss of Pip4k2c confers liver-metastatic organotropism through insulin-dependent PI3K-AKT pathway...	Rogava, Meri ...43 more... Izar, Benjamin	2. 79	0	14	14	Nat Cancer	2024	Nov 20, 2025 (just now)
<a href="#">38714664</a>	FGFR inhibition blocks NF-κB-dependent glucose metabolism and confers metabolic vulnerabilities i...	Zhen, Yuanli ...11 more... Bardeesy, Nabeel	2. 75 8	0	13	13	Nat Commun	2024	Nov 20, 2025 (just now)
<a href="#">39305905</a>	DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-sig...	Kong, Shuyao ...10 more... Roeder, Adrienne H K	2. 72 9	0	11	11	Dev Cell	2024	Nov 20, 2025 (just now)
<a href="#">38172157</a>	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C ...7 more... Graham, Todd R	2. 53 7	0	9	9	Sci Rep	2024	Nov 20, 2025 (just now)

[39535921](#) ↗  
[DOI](#) ↗

Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the t... Han, Xu ...13 2. more... 33 0 12 12 Cell Rep Simon, M 5 Celeste

Nov 20, 2025 (just now)  
2024

[37441265](#) ↗  
[DOI](#) ↗

Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation. Morgan, Ethan W ...12 2. more... 26 0 16 8 Int J Tryptophan Res Perdew, Gary H 7

Nov 20, 2025 (just now)  
2023

[39206133](#) ↗  
[DOI](#) ↗

Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format... Qu, Xianya ...7 2. more... 20 0 6 6 Front Fungal Biol Kronstad, James W 4

Nov 20, 2025 (just now)  
2024

[37452018](#) ↗  
[DOI](#) ↗

Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis. Takata, Nozomu ...16 2. more... 19 0 20 10 Nat Commun Oliver, Guillermo 2

Nov 20, 2025 (just now)  
2023

<a href="#">34721400</a>	Immune Response in Severe and Non-Severe Coronavirus Disease 2019 (COVID-19) Infection: A Mechanism...	Mukund, Kavitha ...6 more... Subramanian, Shankar	1. 83 0 34 8.5	Front Immunol	2021	Nov 20, 2025 (just now)
<a href="#">38226418</a>	Fatty acid metabolism promotes TRPV4 activity in lung microvascular endothelial cells in pulmonar...	Philip, Nicolas ...20 more... Suresh, Karthik	1. 80 0 6 6	Am J Physiol Lung Cell Mol Physiol	2024	Nov 20, 2025 (just now)
<a href="#">38318337</a>	Exploring the interplay between running exercises, microbial diversity, and tryptophan metabolism...	Vazquez-Medina, Alejandra ...6 more... Chorna, Nataliya	1. 79 0 5 5	Front Microbiol	2024	Nov 20, 2025 (just now)
<a href="#">37815914</a>	MYC is a regulator of androgen receptor inhibition-induced metabolic requirements in prostate can...	Crowell, Preston D ...23 more... Goldstein, Andrew S	1. 26 0 13 6.5	Cell Rep	2023	Nov 20, 2025 (just now)

<a href="#">38161977</a>	Gut microbiota and metabolites in estrus cycle and their changes in a menopausal transition rat m...	Dai, Ruoxi ...5 more... Sun, Yan	1. 25 4	0	6	3	Front Endocrinol (Lausanne)	2023	Nov 20, 2025 (just now)
<a href="#">38813868</a>	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. 21 5	0	6	6	Elife	2024	Nov 20, 2025 (just now)
<a href="#">38018851</a>	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. 14	0	3	3	J Proteome Res	2024	Nov 20, 2025 (just now)
<a href="#">38001239</a>	IL-1 $\beta$ -mediated adaptive reprogramming of endogenous human cardiac fibroblasts to cells with immun...	Siamwala, Jamila H ...11 more... Gilbert, Richard J	1. 05 7	0	8	4	Commun Biol	2023	Nov 20, 2025 (just now)

<a href="#">38937647</a>	Metabolic abnormalities in the bone marrow cells of young offspring born to mothers with obesity.	Phillips, Elysse A ...4 more... Maloyan, Alina	0. 93 6	0	3	3	Int J Obes (Lond)	2024	Nov 20, 2025 (just now)
<a href="#">38926365</a>	METTL3-mediated chromatin contacts promote stress granule phase separation through metabolic repr...	Wang, Chen ...17 more... Zhang, Rugang	0. 87 7	0	5	5	Nat Commun	2024	Nov 20, 2025 (just now)
<a href="#">38761133</a>	Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho...	Welch, Nicole ...14 more... Dasarathy , Srinivasan	0. 80 9	0	3	3	J Physiol	2024	Nov 20, 2025 (just now)
<a href="#">37515770</a>	The stability of the myelinating oligodendrocyte transcriptome is regulated by the nuclear lamina.	Pruvost, Mathilde ...16 more... Casaccia, Patrizia	0. 71 3	0	7	3.5	Cell Rep	2023	Nov 20, 2025 (just now)

<a href="#">39307306</a>	<a href="#">DOI</a>	Integrated multi-omics unveil the impact of H-phosphinic analogs of glutamate and α-ketoglutarate...	Giovanne rcole, Fabio ...4 more... De Biase, Daniela	0. 67 1	0	2	2	J Biol Chem	2024	Nov 20, 2025 (just now)
<a href="#">37849634</a>	<a href="#">DOI</a>	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzheimer...	Patel, Ashay O ...2 more... Subrama niam, Shankar	0. 61 6	0	4	2	J Alzheimers Dis Rep	2023	Nov 20, 2025 (just now)
<a href="#">38651675</a>	<a href="#">DOI</a>	A nested case-control study of untargeted plasma metabolomics and lung cancer among never-smoking...	Rahman, Mohamm ad L ...12 more... Lan, Qing	0. 55 4	0	3	3	Int J Cancer	2024	Nov 20, 2025 (just now)
<a href="#">38975764</a>	<a href="#">DOI</a>	Taurine modulates host cell responses to Helicobacter pylori VacA toxin.	Westland, Mandy D ...5 more... Cover, Timothy L	0. 54 9	0	2	2	Infect Immun	2024	Nov 20, 2025 (just now)

<a href="#">39702518</a>	<a href="#">DOI</a>	Proteomic and metabolomic analyses of the human adult myocardium reveal ventricle-specific regula...	Hunter, Benjamin ...11 more... Lal, Sean	0. 49 6	0 2 2	Commun Biol	2024	Nov 20, 2025 (just now)	
<a href="#">38544285</a>	<a href="#">DOI</a>	Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L...	Cochran, Samuel J ...11 more... Gowdy, Kymberly M	0. 47 3	0 1 1	Toxicol Sci	2024	Nov 20, 2025 (just now)	
<a href="#">39328933</a>	<a href="#">DOI</a>	Deletion of <i>Kcnj16</i> altered transcriptomic and metabolomic profiles of Dahl salt-sensitive ...	Xu, Biyang ...4 more... Staruschenko, Alexander	0. 45 1	1.3 63	1 1	iScience	2024	Nov 20, 2025 (just now)
<a href="#">35448980</a>	<a href="#">DOI</a>	Modular and mechanistic changes across stages of colorectal cancer.	Rahiminejad, Sara ...2 more... Subramaniam, Shankar	0. 42 2	0 6 2	BMC Cancer	2022	Nov 20, 2025 (just now)	

	Srinivasan , Suman ...3 more... Subrama niam, Shankar	0. 15 5	0	2	0.6 67	Gigascience	202 2	Nov 20, 2025 (just now)
<a href="#">37983749</a>	MetGENE: gene-centric metabolomics information retrieval tool.	Norris, Adriana C ...7 more... Graham, Todd R	0. 14	0	1	0.5 bioRxiv	202 3	Nov 20, 2025 (just now)
<a href="#">37398141</a>	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Atser, Michael G ...12 more... Johnson, James D	0	0	0	0 bioRxiv	202 5	Nov 20, 2025 (just now)
<a href="#">39464135</a>	Pyruvate dehydrogenase kinase 1 controls triacylglycerol hydrolysis in cardiomyocytes.	Sanchez, Bailey-J C ...1 more... Grasis, Juris A	0	0	1	1 FASEB J	202 5	Nov 20, 2025 (just now)
<a href="#">40052831</a>	Human adenovirus serotype 5 infection dysregulates cysteine, purine, and unsaturated fatty acid m...							

<a href="#">40751246</a>	Metabolomic profiling reveals interindividual metabolic variability and its association with card...	Zhou, Meng ...8 more... Ma, Shizhan	0 0 0 0	Cardiovasc Diabetol	2025	Nov 20, 2025 (just now)
<a href="#">40828023</a>	Synergistic action of specialized metabolites from divergent biosynthesis in the human oral micro...	Loop Yao, McKenna ...7 more... Zhang, Wenjun	0 0 2 2	Proc Natl Acad Sci U S A	2025	Nov 20, 2025 (just now)
<a href="#">40502162</a>	OGDHL regulates tumor growth, neuroendocrine marker expression, and nucleotide abundance in prost...	Bernard, Matthew J ...23 more... Goldstein, Andrew S	0 0 0 0	bioRxiv	2025	Nov 20, 2025 (just now)
<a href="#">38187579</a>	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Farage, Gregory ...5 more... Sen, Šaunak	0 0 0 0	bioRxiv	2023	Nov 20, 2025 (just now)

<a href="#">39257804</a>	<a href="#">DOI</a>	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp...	Tamir, Tigist Y ...15 more... White, Forest M	0 0 0 0	bioRxiv	2024	Nov 20, 2025 (just now)
<a href="#">39985215</a>	<a href="#">DOI</a>	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	2025	Nov 20, 2025 (just now)
<a href="#">39707873</a>	<a href="#">DOI</a>	Salivary Metabolomic Signatures in Pediatric Eosinophilic Esophagitis.	Hiremath, Girish ...6 more... Locke, Andrea	0 3.6 22	Allergy: European Journal of Allergy and Clinical Immunology	2025	Nov 20, 2025 (just now)
<a href="#">40074083</a>	<a href="#">DOI</a>	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	Nov 20, 2025 (just now)
<a href="#">40308032</a>	<a href="#">DOI</a>	Integrated Multiomics Analyses of the Molecular Landscape of	Welch, Nicole ...13	0 0 0 0	J Cachexia Sarcopenia Muscle	2025	Nov 20, 2025

	Sarcopenia in Alcohol-Related Liver ...	more... Dasarathy, , Srinivasan		(just now)
<a href="#">40932625</a>	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	2025 Nov 20, 2025 (just now)
<a href="#">40600951</a>	Histidine decarboxylase inhibition attenuates cancer-associated muscle wasting.	Dasgupta, Aneesha ...11 more... Doles, Jason D	0 0 0 0 J Exp Med	2025 Nov 20, 2025 (just now)
<a href="#">40863167</a>	Metabolomics Network Analysis of Various Genotypes Associated with Schizophrenia Gene Variant.	Rajula, Hema Sekhar Reddy ...8 more... Fanos, Vassilios	0 0.9 0 0 Metabolites	2025 Nov 20, 2025 (just now)
<a href="#">38102827</a>	Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach.	Raja, Rubesh ...5	0 0 0 0 Biophys J	2024 Nov 20, 2025

	more... Ramkrishna, Doraiswami	(just now)
<a href="#">37546759</a>	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate...	Miller, Anne ...7 more... Yellen, Gary
<a href="#">38313293</a>	Metabolic abnormalities in the bone marrow cells of young offspring born to obese mothers.	Alina, Maloyan ...4 more... Kumar, Sushil
<a href="#">39448026</a>	Untargeted metabolomics of 3xTg-AD neurotoxic astrocytes.	Carvalho, Diego ...9 more... Arredondo, Florence
<a href="#">38826219</a>	Single-cell transcriptomics reveals stage- and side-specificity of gene	Rahiminejad, Sara

	modules in colorectal can...	...2 more... Subrama niam, Shankar		2025 (just now)					
<a href="#">40441152</a>	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp...	Tamir, Tigist Y ...15 more... White, Forest M	0 0 2 2 Mol Cell	2025 (just now)					
<b>Repositories</b>									
<a href="#">40166866</a>	Severe Cognitive Decline in Long-term Care Is Related to Gut Microbiome Production of	Shoubrid ge, Andrew P. Software repositories associated with this project. ...17 more...	0 0 3 3 J Gerontol A Biol Sci Med Sci	2025 (just now)					
Name	Description	Stars	Watchers	Forks					
				No data					
			Gao, Virginia						
	Synaptic vesicle omics in mice								
Name	Tags	Last Commit	Avg Issue	Avg PR	Languages	License	Readme	Contributing	Dependencies
		synucleinopathy.		Burré	No data				(just now)
				jacqueline					
<a href="#">39395792</a>	Modeling enzyme competition in eicosanoid metabolism in	Khanum, Sana	0 0 0 0 J Lipid Res	2024 Nov 20,					
Notes									
<a href="#">DOI</a>									

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.
Closed/Open	Resolved/unresolved.
Avg Issue/PR	macrophage cells using a cybernetic frame... Average time issues/pull requests stay open for before being closed. <small>more...</small>
	Rankish na, DoraISWa mi
Only the main/default branch is considered for metrics like # of commits.	2025 (just now)
# of dependencies is totaled from all manifests in repo, direct and transitive, e.g. package.json + package-lock.json.	

## Analytics

Traffic metrics of websites 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.

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<a href="#">40791373</a>	<a href="#">DOI</a>	ndufs2<sup>-/-</sup> zebrafish have impaired survival, neuromuscular activity, morphology, and on...	Mitchell, Dana V ...10 more... Falk, Marni J	0    0    1    1	bioRxiv	2025 5	Nov 20, 2025 (just now)
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## Notes

RCR [Relative Citation Ratio](#)

SJR [Scimago Journal Rank](#)



