



## Core Project OT2OD030544









### Details









Projects	Name	Award	Publications	Repositories	Analytics
3OT2OD030544-01S2	Biomedical Data Commons Workbench (BDCW)	\$3,229,346.00	63 publications	0 repositories	0 properties
3OT2OD030544-01S4					
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
<a href="#">39143213</a>  <a href="#">DOI</a> 	Mitochondrial complex I promotes kidney cancer metastasis.	Bezwada, Divya ...36 more... DeBerardinis, Ralph J	9. 21 1	18. 28 8	36	36	Nature	2024	Aug 27, 2025 (just now)
<a href="#">38844817</a>  <a href="#">DOI</a> 	Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunos...	Scolaro, Tommaso ...36 more... Mazzone, Massimiliano	6. 60 5	0	25	25	Nat Cancer	2024	Aug 27, 2025 (just now)
<a href="#">34862502</a>  <a href="#">DOI</a> 	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Petras, Daniel ...33 more... Wang, Mingxun	5. 65 2	0	48	16	Nat Methods	2022	Aug 27, 2025 (just now)







<a href="#">38636516</a>  <a href="#">DOI</a> 	Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids.	Dingare, Chaitanya ...3 more... Steventon , Benjamin	4. 22 9	0	16	16	Dev Cell	2024	Aug 27, 2025 (just now)
<a href="#">37798473</a>  <a href="#">DOI</a> 	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	2023	Aug 27, 2025 (just now)
<a href="#">38165806</a>  <a href="#">DOI</a> 	Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated t...	Karagiannis, Dimitris ...11 more... Lu, Chao	3. 74 1	0	12	12	Cell Rep	2024	Aug 27, 2025 (just now)
<a href="#">37349305</a>  <a href="#">DOI</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. 62 4	0	22	11	Nat Commun	2023	Aug 27, 2025 (just now)

<a href="#">38286827</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2024	Aug 27, 2025 (just now)
<a href="#">39420002</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2024	Aug 27, 2025 (just now)
<a href="#">39305905</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2024	Aug 27, 2025 (just now)
<a href="#">38172157</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2024	Aug 27, 2025 (just now)









<a href="#">37452018</a>  <a href="#">DOI</a> 	Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis.	Takata, Nozomu ...16 more... Oliver, Guillermo	2.143	0	17	8.5	Nat Commun	2023	Aug 27, 2025 (just now)
<a href="#">37441265</a>  <a href="#">DOI</a> 	Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation.	Morgan, Ethan W ...12 more... Perdew, Gary H	2.004	0	12	6	Int J Tryptophan Res	2023	Aug 27, 2025 (just now)
<a href="#">39206133</a>  <a href="#">DOI</a> 	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format...	Qu, Xianya ...7 more... Kronstad, James W	1.837	0	5	5	Front Fungal Biol	2024	Aug 27, 2025 (just now)
<a href="#">34721400</a>  <a href="#">DOI</a> 	Immune Response in Severe and Non-Severe Coronavirus Disease 2019 (COVID-19) Infection: A Mechani...	Mukund, Kavitha ...6 more... Subramaniam, Shankar	1.787	0	31	7.75	Front Immunol	2021	Aug 27, 2025 (just now)

<a href="#">38714664</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2024	Aug 27, 2025 (just now)
<a href="#">39535921</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2024	Aug 27, 2025 (just now)
<a href="#">38813868</a> <a href="#">DOI</a> <a href="#">↗</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. 43 7	0	5	5	Elife	2024	Aug 27, 2025 (just now)
<a href="#">37815914</a> <a href="#">DOI</a> <a href="#">↗</a>	MYC is a regulator of androgen receptor inhibition-induced metabolic requirements in prostate can...	Crowell, Preston D ...23 more... Goldstein, Andrew S	1. 24 6	0	11	5.5	Cell Rep	2023	Aug 27, 2025 (just now)









<a href="#">38161977</a>  <a href="#">DOI</a> 	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)	2023	Aug 27, 2025 (just now)
<a href="#">38001239</a>  <a href="#">DOI</a> 	IL-1 $\beta$ -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	2023	Aug 27, 2025 (just now)
<a href="#">37515770</a>  <a href="#">DOI</a> 	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	2023	Aug 27, 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. 47 7	0	6	2	BMC Cancer	2022	Aug 27, 2025 (just now)







<a href="#">37849634</a>  <a href="#">DOI</a> 	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzhei...	Patel, Ashay O ...2 more... Subramaniam, Shankar	0.291	0	2	1	J Alzheimers Dis Rep	2023	Aug 27, 2025 (just now)
<a href="#">37983749</a>  <a href="#">DOI</a> 	MetGENE: gene-centric metabolomics information retrieval tool.	Srinivasan, Sumana ...3 more... Subramaniam, Shankar	0.168	0	2	0.667	Gigascience	2022	Aug 27, 2025 (just now)
<a href="#">37398141</a>  <a href="#">DOI</a> 	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C ...7 more... Graham, Todd R	0.158	0	1	0.5	bioRxiv	2023	Aug 27, 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	0	3	3	Int J Cancer	2024	Aug 27, 2025 (just now)
<a href="#">38226418</a>  <a href="#">DOI</a> 	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	2024	Aug 27, 2025 (just now)
<a href="#">38018851</a>  <a href="#">DOI</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	0	0	2	2	J Proteome Res	2024	Aug 27, 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	Aug 27, 2025 (just now)









<a href="#">39707873</a> <a href="#">DOI</a> <a href="#">↗</a>	Salivary Metabolomic Signatures in Pediatric Eosinophilic Esophagitis.	Hiremath, Girish ...6 more... Locke, Andrea	0	3.622	2	2	Allergy: European Journal of Allergy and Clinical Immunology	2025	Aug 27, 2025 (just now)
<a href="#">39464135</a> <a href="#">DOI</a> <a href="#">↗</a>	Pyruvate dehydrogenase kinase 1 controls triacylglycerol hydrolysis in cardiomyocytes.	Atser, Michael G ...12 more... Johnson, James D	0	0	0	0	bioRxiv	2025	Aug 27, 2025 (just now)
<a href="#">39307306</a> <a href="#">DOI</a> <a href="#">↗</a>	Integrated multi-omics unveil the impact of H-phosphinic analogs of glutamate and $\alpha$ -ketoglutarate...	Giovanne rcole, Fabio ...4 more... De Biase, Daniela	0	0	1	1	J Biol Chem	2024	Aug 27, 2025 (just now)
<a href="#">38975764</a> <a href="#">DOI</a> <a href="#">↗</a>	Taurine modulates host cell responses to Helicobacter pylori VacA toxin.	Westland, Mandy D ...5 more... Cover, Timothy L	0	0	2	2	Infect Immun	2024	Aug 27, 2025 (just now)

<a href="#">40166866</a>  <a href="#">DOI</a> 	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 27, 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	202 5	Aug 27, 2025 (just now)
<a href="#">40600951</a>  <a href="#">DOI</a> 	Histidine decarboxylase inhibition attenuates cancer-associated muscle wasting.	Dasgupta, Aneesha ...11 more... Doles, Jason D	0	0	0	0	J Exp Med	202 5	Aug 27, 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... Starusche nko, Alexander	0	1.3 63	1	1	iScience	202 4	Aug 27, 2025 (just now)

<a href="#">38937647</a>  <a href="#">DOI</a> 	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)	2024	Aug 27, 2025 (just now)
<a href="#">40751246</a>  <a href="#">DOI</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	Aug 27, 2025 (just now)
<a href="#">38102827</a>  <a href="#">DOI</a> 	Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach.	Raja, Rubesh ...5 more... Ramkrishna, Doraiswami	0	0	0	0	Biophys J	2024	Aug 27, 2025 (just now)

<a href="#">39824876</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2025	Aug 27, 2025 (just now)
<a href="#">40052831</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2025	Aug 27, 2025 (just now)
<a href="#">38187579</a> <a href="#">DOI</a> <a href="#">↗</a>	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Farage, Gregory ...5 more... Sen, Śaunak	0	0	0	0	bioRxiv	2023	Aug 27, 2025 (just now)
<a href="#">38313293</a> <a href="#">DOI</a> <a href="#">↗</a>	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	2024	Aug 27, 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	0	0	0	Toxicol Sci	2024	Aug 27, 2025 (just now)
<a href="#">38761133</a>  <a href="#">DOI</a> 	Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho...	Welch, Nicole ...14 more... Dasarathy, Srinivasan	0	0	3	3	J Physiol	2024	Aug 27, 2025 (just now)
<a href="#">39395792</a>  <a href="#">DOI</a> 	Modeling enzyme competition in eicosanoid metabolism in macrophage cells using a cybernetic frame...	Khanum, Sana ...5 more... Ramkrishna, Doraiswami	0	0	0	0	J Lipid Res	2024	Aug 27, 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	0	2	2	Commun Biol	2024	Aug 27, 2025 (just now)
<a href="#">39300135</a>  <a href="#">DOI</a> 	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Sun, Xiaomei ...12 more... Zou, Zhen	0	0	1	1	Nat Commun	2024	Aug 27, 2025 (just now)
<a href="#">40308032</a>  <a href="#">DOI</a> 	Integrated Multiomics Analyses of the Molecular Landscape of Sarcopenia in Alcohol-Related Liver ...	Welch, Nicole ...13 more... Dasarath y, Srinivasa n	0	0	0	0	J Cachexia Sarcopenia Muscle	2025	Aug 27, 2025 (just now)
<a href="#">40312501</a>  <a href="#">DOI</a> 	Synaptic vesicle-omics in mice captures signatures of aging and synucleinopathy.	Gao, Virginia ...14 more... Burré, Jacqueline	0	0	0	0	Nat Commun	2025	Aug 27, 2025 (just now)

<a href="#">40369079</a> <a href="#">DOI</a> <a href="#">↗</a>	Taurine from tumour niche drives glycolysis to promote leukaemogenesis.	Sharma, Sonali ...21 more... Bajaj, Jeevisha	18.288	0	5	5	Nature	2025	Aug 27, 2025 (just now)
</> Repositories									
<a href="#">37546759</a> <a href="#">DOI</a> <a href="#">↗</a>	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate...	Miller, Anne ...7 more... Yellen,	7	0	0	0	0	Res Sq	2025 (just now)
Software repositories associated with this project.									
Name	Description	Stars	Watchers	Forks	Issues	PRs	Commits	Contrib.	
<a href="#">38318337</a> <a href="#">↗</a>	Exploring the interplay between running exercises. microbial metabolism...	Vazquez-Medina, Alejandra	No data					202	Aug 27, 2025 (just now)
Name	Tags	Last Commit	Avg Issue	Avg PR	Languages	License	Readme	Contributing	Dependencies
<a href="#">38826219</a> <a href="#">DOI</a> <a href="#">↗</a>	Single-cell transcriptomics reveals stage- and side-specificity of gene modules in colorectal can...	Rahiminejad, Sara ...2 more... Subramaniam, Shankar	No data	0	0	0	0	Res Sq	2025 (just now)



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. Want

Analytics

Traffic metrics of websites associated with this project.

Notes







Active Users	<a href="#">Distinct users who visited the website</a> .
New Users	<a href="#">Users who visited the website for the first time</a> .
Engaged Sessions	<a href="#">Visits that had significant interaction</a> .

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

Built on Aug 27, 2025

Developed with support from NIH Award [U54 OD036472](#)

<a href="#">39979287</a> <a href="#">DOI</a>	Ketogenic diet suppresses colorectal cancer through the gut microbiome long chain fatty acid stea...	Tsenkova, Mina ...22 more... Letellier, Elisabeth	0	0	5	5	Nat Commun	2025	Aug 27, 2025 (just now)
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<a href="#">39754192</a>  <a href="#">DOI</a> 	Integrative multiomics reveals common endotypes across PSEN1, PSEN2, and APP mutations in familia...	Valdes, Phoebe ...9 more... Subramaniam, Shankar	0	0	1	1	Alzheimers Res Ther	2025	Aug 27, 2025 (just now)
<a href="#">40441152</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	Mol Cell	2025	Aug 27, 2025 (just now)
<a href="#">40502162</a>  <a href="#">DOI</a> 	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	2025	Aug 27, 2025 (just now)

## Notes

RCR [Relative Citation Ratio](#) 

SJR [Scimago Journal Rank](#) 

Total: 63

