

# **L** Core Project OT2OD030544

## O Details

Projects	Name	Award	Publications	Repositories	Analytics
3OT2OD030544-01S2	Biomedical Data Commons	\$3,229,346.00	69 publications	0 repositories	0 properties
3OT2OD030544-01S4	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 24, 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 24, 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 24, 2025 (just now)

38636516 <b>②</b> DOI <b>②</b>	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 24, 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 24, 2025 (just now)
39420002 <b>乙</b>	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 24, 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 24, 2025 (just now)

38165806 🗹 DOI 🗹	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 24, 2025 (just now)
38286827 <b>乙</b>	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 24, 2025 (just now)
39305905 🗹 DOI 🗹	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 24, 2025 (just now)
38172157 <b>亿</b> DOI <b>亿</b>	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 24, 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 24, 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 24, 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 24, 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 24, 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 24, 2025 (just
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 24, 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 24, 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 24, 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 24, 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 24, 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 24, 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 24, 2025 (just now)

<u>35448980</u> ♂ DOI ♂	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 24, 2025 (just now)
37983749 <b>♂</b> DOI <b>♂</b>	MetGENE: gene-centric metabolomics information retrieval tool.	Srinivasan , Sumana 3 more Subrama niam, Shankar	0. 16 3	0	2	0.6 67	Gigascience	202	Sep 24, 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	0	1	0.5	bioRxiv	202 3	Sep 24, 2025 (just now)
40932625 🗗	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	202 5	Sep 24, 2025 (just now)

40166866 ☑ DOI ☑	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 24, 2025 (just now)
39395792 <b>♂</b> DOI <b>♂</b>	Modeling enzyme competition in eicosanoid metabolism in macrophage cells using a cybernetic frame	Khanum, Sana 5 more Ramkrish na, Doraiswa mi	0	0	0	0	J Lipid Res	202 4	Sep 24, 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	Sep 24, 2025 (just now)

39448026 🗹 DOI 🖸	Untargeted metabolomics of 3xTg-AD neurotoxic astrocytes.	Carvalho, Diego9 more Arredond o, Florencia	0	0	0	0	J Proteomics	202 5	Sep 24, 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 24, 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 24, 2025 (just now)
38826219 🗗	Single-cell transcriptomics reveals stage- and side-specificity of gene modules in colorectal can	Rahiminej ad, Sara 2 more Subrama	0	0	0	0	Res Sq	202 4	Sep 24, 2025 (just now)

		niam, Shankar							
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	202 3	Sep 24, 2025 (just now)
40052831 <b>乙</b>	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 24, 2025 (just now)
40759793 🗗	Left ventricular myocardial molecular profile of human diabetic ischaemic cardiomyopathy.	Hunter, Benjamin 16 more Lal, Sean	0	0	0	0	EMBO Mol Med	202 5	Sep 24, 2025 (just now)
40600951 🗹	Histidine decarboxylase inhibition attenuates cancer-associated muscle wasting.	Dasgupta, Aneesha 11 more Doles, Jason D	0	0	0	0	J Exp Med	202 5	Sep 24, 2025 (just now)

38544285 <b>♂</b> DOI <b>♂</b>	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 24, 2025 (just now)
38018851 <b>②</b> DOI <b>②</b>	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	Sep 24, 2025 (just now)
38102827 <b>乙</b> DOI <b>乙</b>	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 24, 2025 (just now)

A nested case-control study of untargeted plasma metabolomics ad L									
Fatty acid metabolism promotes TRPV4 activity in lung microvascular endothelial cells in pulmonar  Matrix Linear Models for connecting metabolite composition to individual characteristics.  Matrix Linear Models for connecting metabolite composition to individual characteristics.  Farage, Gregory5		untargeted plasma metabolomics and lung cancer among never-	Mohamm ad L 12 more	0	0	3	3	Int J Cancer	Sep 24, 2025 (just now)
Matrix Linear Models for connecting metabolite composition to individual characteristics.  Matrix Linear Models for connecting metabolite composition to individual characteristics.  Sen, Saunak  Westland, Mandy D 5  DOI C Taurine modulates host cell responses to Helicobacter pylori VacA toxin.  Mandy D 5  O O O D DioRxiv  Sep  202  38975764 C Taurine modulates host cell responses to Helicobacter pylori VacA toxin.  Cover,		TRPV4 activity in lung microvascular	Nicolas 20 more Suresh,	0	0	2	2	- ,	Sep 24, 2025 (just now)
Taurine modulates host cell responses to Helicobacter pylori VacA toxin.  Mandy D 5  more  Cover,  Mandy D 5  more  Cover,		metabolite composition to	Gregory 5 more Sen,	0	0	0	0	bioRxiv	Sep 24, 2025 (just now)
	<u> </u>	responses to Helicobacter pylori	Mandy D 5 more	0	0	2	2	Infect lmmun	Sep 24, 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 24, 2025 (just now)
40074083 ♂ DOI ♂	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 24, 2025 (just now)
40441152 🗗	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp	Tamir, Tigist Y15 more White, Forest M	0	0	0	0	Mol Cell	202 5	Sep 24, 2025 (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 24, 2025 (just now)

39754192 <b>亿</b> DOI <b>亿</b>	Integrative multiomics reveals common endotypes across PSEN1, PSEN2, and APP mutations in familia	Valdes, Phoebe 9 more Subrama niam, Shankar	0	0	1	1	Alzheimers Res Ther	202 5	Sep 24, 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 24, 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 24, 2025 (just now)
40791373 🗗	ndufs2 <sup>-/-</sup> 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 24, 2025 (just now)

40863167 <b>乙</b> DOI <b>乙</b>	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 24, 2025 (just now)
40670786 <b>2</b> DOI <b>2</b>	Imidazole propionate is a driver and therapeutic target in atherosclerosis.	Mastrang elo, Annalaur a 37 more Sancho, David	0	18. 28 8	1	1	Nature	202 5	Sep 24, 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	Sep 24, 2025 (just now)

	Description	Stars	Watch	n <b>ers</b> Forest IV	Forks I data	I	ssues	I	PRs Commits		s <b>trib.</b> Sep
39257804 <b>2</b>	characterizatio	systems Softwa on of phosphory	ylation	Tamir, sitories as 15	sociated 0	with t	his pro	ject. 0	bioRxiv	202	Sep 24, 2025
38937647 <b>2</b>	marrow cells c	ormalities in the of young offsprie ers with obesity.	ng	Phillips, Elysse A 4 more Maloyan /> Repo	o ositori	o ies	3	3	Int J Obes (Lond)	202 4	Sep 24, 2025 (just now)
38926365 <b>♂</b> DOI <b>♂</b>	contacts prom	ated chromatin ote stress gran ion through me		Wang, Chen 17 more Zhang, Rugang	0	0	3	3	Nat Commun	202 4	Sep 24, 2025 (just now)

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. Resolved/unresolved. Closed/Open Average time issues/pull requests stay open for before being closed. Avg Issue/PR Sep Virginia Only the main /de Mult birayesigle comistained for metrics like # of commits. 24, 202 captures signatures of aging and Nat Commun 2025 0 0 # of dependencies in total and from all manifests in repo, direct and transitive, e.g. package.json + package-lock.json. (just Burré, now) Jacqueline

## Analytics

Traffic metrics of websites associated with this project.

#### **Notes**

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

New Users <u>Users who visited the website for the first time</u> **2**.

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

Built on Sep 24, 2025

Developed with support from NIH Award U54 OD036472

39979287 <b>亿</b> DOI <b>亿</b>	Ketogenic diet suppresses colorectal cancer through the gut	Tsenkova, Mina	0	0	7	7	Nat Commun	202 5	Sep 24,
		22							2025

<sup>&</sup>quot;Top" metrics are measured by number of engaged sessions.

	microbiome long chain fatty acid stea	more Letellier, Elisabeth							(just now)
40308032 ♂ DOI ♂	Integrated Multiomics Analyses of the Molecular Landscape of Sarcopenia in Alcohol-Related Liver 	Welch, Nicole13 more Dasarathy , Srinivasan	0	0	0	0	J Cachexia Sarcopenia Muscle	202 5	Sep 24, 2025 (just now)
40369079 <b>♂</b> DOI <b>♂</b>	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 24, 2025 (just now)
40502162 <b>亿</b> DOI <b>亿</b>	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 24, 2025 (just now)
40828023 🗹 DOI 🗹	Synergistic action of specialized metabolites from divergent biosynthesis in the human oral micro	Loop Yao, McKenna 7 more	0	0	0	0	Proc Natl Acad Sci U S A	202 5	Sep 24, 2025

	Zhang,	(just
Notes	Wenjun	now)

RCR Relative Citation Ratio

SJR Scimago Journal Rank

#### Publications (cumulative)



