

# **L** Core Project OT2OD030544

### O Details

Projects	Name	Award	Publications	Repositories	Analytics
3OT2OD030544-01S2	Biomedical Data Commons	\$3,229,346.00	63 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. 21 1	18. 28 8	36	36	Nature	202 4	Aug 25, 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. 60 5	0	25	25	Nat Cancer	202 4	Aug 25, 2025 (just now)
34862502 🗗 DOI 🗗	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Petras, Daniel33 more Wang, Mingxun	5. 65 2	0	48	16	Nat Methods	202 2	Aug 25, 2025 (just now)

38636516 <b>♂</b> DOI <b>♂</b>	Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids.	Dingare, Chaitanya 3 more Steventon , Benjamin	4. 22 9	0	16	16	Dev Cell	202 4	Aug 25, 2025 (just now)
37798473 🗗 DOI 🗗	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	202 3	Aug 25, 2025 (just now)
38165806 <b>♂</b> DOI <b>♂</b>	Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated t	Karagiann is, Dimitris 11 more Lu, Chao	3. 74 1	0	12	12	Cell Rep	202 4	Aug 25, 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. 62 4	0	22	11	Nat Commun	202 3	Aug 25, 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. 29 9	0	12	12	Nat Cancer	202 4	Aug 25, 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	2. 90 1	0	9	9	Nat Commun	202 4	Aug 25, 2025 (just now)
39305905 🗷	DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-sig	Kong, Shuyao10 more Roeder, Adrienne H K	2. 50 8	0	8	8	Dev Cell	202 4	Aug 25, 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. 38 4	0	7	7	Sci Rep	202 4	Aug 25, 2025 (just now)

37452018 🗗 DOI 🗗	Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis.	Takata, Nozomu 16 more Oliver, Guillermo	2. 14 3	0	17	8.5	Nat Commun	202 3	Aug 25, 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. 00 4	0	12	6	Int J Tryptophan Res	202 3	Aug 25, 2025 (just now)
39206133 🗹 DOI 🗹	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format	Qu, Xianya 7 more Kronstad, James W	1. 83 7	0	5	5	Front Fungal Biol	202 4	Aug 25, 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. 78 7	0	31	7.7 5	Front Immunol	202 1	Aug 25, 2025 (just now)

<u>38714664</u> ℃ <u>DOI</u> ௴	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	202 4	Aug 25, 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. 62 4	0	6	6	Cell Rep	202 4	Aug 25, 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. 43 7	0	5	5	Elife	202 4	Aug 25, 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. 24 6	0	11	5.5	Cell Rep	202 3	Aug 25, 2025 (just now)

38161977 <b>乙</b> DOI <b>乙</b>	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)	202 3	Aug 25, 2025 (just now)
38001239 <b>7</b>	IL-1β-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	202 3	Aug 25, 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. 69 5	0	6	3	Cell Rep	202 3	Aug 25, 2025 (just now)
35448980 ♂ DOI ♂	Modular and mechanistic changes across stages of colorectal cancer.	Rahiminej ad, Sara 2 more Subrama niam, Shankar	0. 47 7	0	6	2	BMC Cancer	202 2	Aug 25, 2025 (just now)

37849634 <b>②</b> DOI <b>②</b>	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzhei	Patel, Ashay O2 more Subrama niam, Shankar	0. 29 1	0	2	1	J Alzheimers Dis Rep	202 3	Aug 25, 2025 (just now)
37983749 <b>♂</b> DOI <b>♂</b>	MetGENE: gene-centric metabolomics information retrieval tool.	Srinivasa n, Sumana 3 more Subrama niam, Shankar	0. 16 8	0	2	0.6 67	Gigascience	202	Aug 25, 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 8	0	1	0.5	bioRxiv	202 3	Aug 25, 2025 (just now)

38226418 <b>♂</b> DOI <b>♂</b>	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	Aug 25, 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	Aug 25, 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, Meredith D	0	0	2	2	J Proteome Res	202 4	Aug 25, 2025 (just now)
38975764 🗷	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	Aug 25, 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	Aug 25, 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	Aug 25, 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	Aug 25, 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	Aug 25, 2025 (just now)

40074083 <b>乙</b> DOI <b>乙</b>	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 25, 2025 (just now)
40166866 <b>亿</b> DOI <b>亿</b>	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 25, 2025 (just now)
38102827 <b>2</b> DOI <b>2</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	Aug 25, 2025 (just now)
39328933 C	Deletion of <i>Kcnj16</i> altered transcriptomic and metabolomic profiles of Dahl salt-sensitive	Xu, Biyang4 more Starusche	0	1.3 63	1	1	iScience	202 4	Aug 25, 2025 (just now)

		nko, Alexander							
39824876 <b>♂</b> DOI <b>♂</b>	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	Aug 25, 2025 (just now)
38937647 🗷 DOI 🗹	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)	202 4	Aug 25, 2025 (just now)
40052831 ☑ DOI ☑	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	Aug 25, 2025 (just now)
40600951 🗹	Histidine decarboxylase inhibition attenuates cancer-associated muscle wasting.	Dasgupta, Aneesha 11 more	0	0	0	0	J Exp Med	202 5	Aug 25, 2025 (just now)

		Doles, Jason D							
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	Aug 25, 2025 (just now)
39702518 🖸	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	Aug 25, 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	0	0	0	Toxicol Sci	202 4	Aug 25, 2025 (just now)
38761133 🖸	Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho	Welch, Nicole 14 more Dasarath y,	0	0	3	3	J Physiol	202 4	Aug 25, 2025 (just now)

		Srinivasa n							
39300135 ☎ DOI ☎	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Sun, Xiaomei 12 more Zou, Zhen	0	0	1	1	Nat Commun	202 4	Aug 25, 2025 (just now)
38313293 <b>♂</b> DOI <b>♂</b>	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	Aug 25, 2025 (just now)
38187579 ♂ DOI ♂	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Farage, Gregory 5 more Sen, Śaunak	0	0	0	0	bioRxiv	202 3	Aug 25, 2025 (just now)
39395792 <b>②</b> DOI <b>②</b>	Modeling enzyme competition in eicosanoid metabolism in macrophage cells using a cybernetic frame	Khanum, Sana 5 more Ramkrish na,	0	0	0	0	J Lipid Res	202 4	Aug 25, 2025 (just now)

		Doraiswa mi							
40308032 ☑ DOI ☑	Integrated Multiomics Analyses of the Molecular Landscape of Sarcopenia in Alcohol-Related Liver 	Welch, Nicole13 more Dasarath y, Srinivasa n	0	0	0	0	J Cachexia Sarcopenia Muscle	202 5	Aug 25, 2025 (just now)
40312501 🗹	Synaptic vesicle-omics in mice captures signatures of aging and synucleinopathy.	Gao, Virginia 14 more Burré, Jacquelin e	0	0	0	0	Nat Commun	202 5	Aug 25, 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	Aug 25, 2025 (just now)
38926365 🗹 DOI 🗹	METTL3-mediated chromatin contacts promote stress granule	Wang, Chen 17	0	0	2	2	Nat Commun	202 4	Aug 25, 2025

	phase separatio	n through me	etabolic	more								(just
	repr			Zhang,								now)
				Rugang								
				Tsenkova	,							A ~
	Ketogenic diet si	uppresses		Mina								Aug
<u>39979287</u> 🗹	colorectal cance	r through the	gut	22	• • •	• 0	_	5	ΝIα	t Commun	202	25,
DOI 🗹	microbiome long	g chain fatty a	acid	/>more.po	sitor	ies	5	Э	INd	t Commun	5	2025
	stea			Letellier,								(just
		<b></b> (:		Elisabeth								now)
		Softwa	are repo	sitories ass		with	this pi	roject.				
				Carvalho,								
				Diego								Αιισ
Name D	escription	Stars	Watc	hers	Forks		Issue	S	PRs	Commits	Con	trib.
DOI 🗹	AD neurotoxic a	strocytes.		Arredond	lata	U	U	U	JΓ	OLEOITHES	5	(just
				Ο,								now)
				Florencia								
Name Tags	Last Commit	Avg Issue	Avg P	_	_	Lice	ense	Read	me	Contributing	Depende	encies
				ad, Sala	•							Aug
<u>38826219</u> <b>∠</b>	Single-cell transo	criptomics rev	/eals	2							202	25,
DOI []	stage- and side-s	specificity of g	gene	more	0	0	0	0	Re	s Sq	4	2025
<u>DOI</u>	modules in colo	rectal can		Subrama							4	(just
				niam,								now)
				Shankar								
37546759 🗹	Spatially resolve	d metabolom	nics	Miller,	0	0	0	0	Re	s Sq	202	Aug
37546759 <b>2</b>	Spatially resolve and isotope trac			Miller, Anne	0	0	0	0	Re	s Sq	202 3	Aug 25,

#### **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.	(just

## 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> **?**.

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

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

Built on Aug 25, 202!	Built	on	Aug	25.	2025
-----------------------	-------	----	-----	-----	------

Developed with support from NIH Award U54 OD036472

39257804 <b>乙</b> DOI <b>乙</b>	characterization of phosphorylation on metabolic enzymes identifies sex-sp	15 more White, Forest M	0	0	0	0	bioRxiv	202 4	25, 2025 (just now)
40441152 <b>亿</b> DOI <b>亿</b>	Structural and systems characterization of phosphorylation	Tamir, Tigist Y 15	0	0	0	0	Mol Cell	202 5	Aug 25, 2025

	on metabolic enzymes identifies sex-sp	more White, Forest M							(just now)
40502162 <b>♂</b> DOI <b>♂</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	Aug 25, 2025 (just now)

#### Notes

RCR Relative Citation Ratio

SJR Scimago Journal Rank

### Publications (cumulative)



