



## Core Project OT2OD030544











### Details

Projects	Name	Award	Publications	Repositories	Analytics
1OT2OD030544-01	Biomedical Data Commons	\$3,229,346.00	37 publications	0 repositories	0 properties
3OT2OD030544-01S3	Workbench (BDCW)				
3OT2OD030544-01S1					
3OT2OD030544-01S2					
3OT2OD030544-01S4					















### Publications

Published works associated with this project.









ID	Title	Authors	R C R	SJ R	Cit ati on s	Cit. /ye ar	Journal	Pub lish ed	Upd ated
<a href="#">34862502</a>  <a href="#">DOI</a> 	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Daniel Petras ...33 more... Mingxun Wang	5. 6 7	14. 79 6	30	15	Nature Methods	2,022	Oct 26, 2024 (2 weeks ago)
<a href="#">37349305</a>  <a href="#">DOI</a> 	Defining diurnal fluctuations in mouse choroid plexus and CSF at high molecular, spatial, and tem...	Ryann M Fame ...21 more... Maria K Lehtinen	4. 0 3	4.8 87	12	12	Nature Communications	2,023	Oct 26, 2024 (2 weeks ago)
<a href="#">37798473</a>  <a href="#">DOI</a> 	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate...	Anne Miller ...7 more... Gary Yellen	3. 6 5	7.1 92	11	11	Nature Metabolism	2,023	Oct 26, 2024 (2 weeks ago)
<a href="#">37441265</a>  <a href="#">DOI</a> 	Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation.	Ethan W Morgan ...12 more...	2. 2 9	1.0 04	7	7	International Journal of Tryptophan Research	2,023	Oct 26, 2024 (2 week







		Gary H Perdew								s ago)
<a href="#">34721400</a> <a href="#">DOI</a> <a href="#">↗</a>	Immune Response in Severe and Non-Severe Coronavirus Disease 2019 (COVID-19) Infection: A Mechani...	Kavitha Mukund ...6 more... Shankar Subrama niam	1. 8	1.8 68	23	7.6 67	Frontiers in Immunology	2,0 21	Oct 26, 2024 (2 week s ago)	
<a href="#">37452018</a> <a href="#">DOI</a> <a href="#">↗</a>	Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis.	Nozomu Takata ...16 more... Guillerm o Oliver	1. 6 1	4.8 87	6	6	Nature Communications	2,0 23	Oct 26, 2024 (2 week s ago)	
<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...	Preston D Crowell ...23 more... Andrew S Goldstein	1. 5 8	4.2 79	6	6	Cell Reports	2,0 23	Oct 26, 2024 (2 week s ago)	
<a href="#">37515770</a> <a href="#">DOI</a> <a href="#">↗</a>	The stability of the myelinating oligodendrocyte transcriptome is	Mathilde Pruvost	1. 2	4.2 79	5	5	Cell Reports	2,0 23	Oct 26,	

	regulated by the nuclear lamina.	...16 more... Patrizia Casaccia	4								2024 (2 week s ago)
<a href="#">38001239</a>  <a href="#">DOI</a> 	IL-1β-mediated adaptive reprogramming of endogenous human cardiac fibroblasts to cells with immun...	Jamila H Siamwala ...11 more... Richard J Gilbert	0. 5 2	2.0 9	2	2	Communications Biology	2,0 23		Oct 26, 2024 (2 week s ago)	
<a href="#">37398141</a>  <a href="#">DOI</a> 	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Adriana C Norris ...7 more... Todd R Graham	0. 3 2	0	1	1	bioRxiv	2,0 23		Oct 26, 2024 (2 week s ago)	
<a href="#">35448980</a>  <a href="#">DOI</a> 	Modular and mechanistic changes across stages of colorectal cancer.	Sara Rahimine jad ...2 more... Shankar	0. 1 7	1.0 87	2	1	BMC Cancer	2,0 22		Oct 26, 2024 (2 week s ago)	

		Subrama niam								
<a href="#">37983749</a>  <a href="#">DOI</a> 	MetGENE: gene-centric metabolomics information retrieval tool.	Sumana Srinivasa n ...3 more... Shankar Subrama niam	0. 1 1	4.6 21	1	0.5	GigaScience	2,0 22	Oct 26, 2024 (2 week s ago)	
<a href="#">38161977</a>  <a href="#">DOI</a> 	Gut microbiota and metabolites in estrus cycle and their changes in a menopausal transition rat m...	Ruoxi Dai ...5 more... Yan Sun	0	0	0	0	Front Endocrinol (Lausanne)	2,0 23	Oct 26, 2024 (2 week s ago)	
<a href="#">38226418</a>  <a href="#">DOI</a> 	Fatty acid metabolism promotes TRPV4 activity in lung microvascular endothelial cells in pulmonar...	Nicolas Philip ...20 more... Karthik Suresh	0	1.3 39	2	2	American Journal of Physiology - Lung Cellular and Molecular Physiology	2,0 24	Oct 26, 2024 (2 week s ago)	

<a href="#">37546759</a> <a href="#">DOI</a> <a href="#">↗</a>	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate...	Anne Miller ...7 more... Gary Yellen	0	0	0	0	Res Sq	2,023	Oct 26, 2024 (2 weeks ago)
<a href="#">38018851</a> <a href="#">DOI</a> <a href="#">↗</a>	Lipidomic Analysis Reveals Differences in the Extent of Remyelination in the Brain and Spinal Cord.	Nishama De Silva Mohotti ...5 more... Meredith D Hartley	0	1.299	0	0	Journal of Proteome Research	2,024	Oct 26, 2024 (2 weeks ago)
<a href="#">39206133</a> <a href="#">DOI</a> <a href="#">↗</a>	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format...	Xianya Qu ...7 more... James W Kronstad	0	0.491	0	0	Frontiers in Fungal Biology	2,024	Oct 26, 2024 (2 weeks ago)
<a href="#">38844817</a> <a href="#">DOI</a> <a href="#">↗</a>	Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunos...	Tommaso Sclaro ...36 more... Massimili	0	11.9	3	3	Nature Cancer	2,024	Oct 26, 2024 (2 weeks ago)




		ano Mazzone								s ago)
<a href="#">39257804</a>  <a href="#">DOI</a> 	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp...	Tigist Y Tamir ...15 more... Forest M White	0	0	0	0	bioRxiv	2,0 24	Oct 26, 2024 (2 week s ago)	
<a href="#">39300135</a>  <a href="#">DOI</a> 	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Xiaomei Sun ...12 more... Zhen Zou	0	4.8 87	0	0	Nature Communications	2,0 24	Oct 26, 2024 (2 week s ago)	
<a href="#">38651675</a>  <a href="#">DOI</a> 	A nested case-control study of untargeted plasma metabolomics and lung cancer among never- smoking...	Mohamm ad L Rahman ...12 more... Qing Lan	0	2.1 31	2	2	International Journal of Cancer	2,0 24	Oct 26, 2024 (2 week s ago)	
<a href="#">38826219</a>  <a href="#">DOI</a> 	Single-cell transcriptomics reveals stage- and side-specificity of gene	Sara Rahimine	0	0	0	0	Res Sq	2,0 24	Oct 26,	



	modules in colorectal can...	jad ...2 more... Shankar Subrama niam								2024 (2 week s ago)
<a href="#">38286827</a>  <a href="#">DOI</a> 	Loss of Pip4k2c confers liver- metastatic organotropism through insulin-dependent PI3K- AKT pathway...	Meri Rogava ...43 more... Benjamin Izar	0	11. 9	4	4	Nature Cancer	2,0 24		Oct 26, 2024 (2 week s ago)
<a href="#">38165806</a>  <a href="#">DOI</a> 	Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2- activated t...	Dimitris Karagian nis ...11 more... Chao Lu	0	4.2 79	2	2	Cell Reports	2,0 24		Oct 26, 2024 (2 week s ago)
<a href="#">38318337</a>  <a href="#">DOI</a> 	Exploring the interplay between running exercises, microbial diversity, and tryptophan metabolism...	Alejandra Vazquez- Medina ...6 more...	0	1.0 65	0	0	Frontiers in Microbiology	2,0 24		Oct 26, 2024 (2 week



		Nataliya Chorna								s ago)
<a href="#">38187579</a> <a href="#">DOI</a> <a href="#">↗</a>	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Gregory Farage ...5 more... Śaunak Sen	0	0	0	0	bioRxiv	2,023	Oct 26, 2024 (2 weeks ago)	
<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...	Ruby Oberin ...14 more... Patrick S Western	0	3.932	1	1	eLife	2,024	Oct 26, 2024 (2 weeks ago)	
<a href="#">38544285</a> <a href="#">DOI</a> <a href="#">↗</a>	Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L...	Samuel J Cochran ...11 more... Kymberly M Gowdy	0	0.911	0	0	Toxicological Sciences	2,024	Oct 26, 2024 (2 weeks ago)	
<a href="#">39420002</a> <a href="#">DOI</a> <a href="#">↗</a>	Methionine-SAM metabolism-dependent ubiquinone synthesis	Chaoyi Xia	0	4.887	0	0	Nature Communications	2,024	Oct 26,	

	is crucial for ROS accumulation in ferro...	...13 more... Yang Wang								2024 (2 weeks ago)
<a href="#">37849634</a> <a href="#">DOI</a> <a href="#">↗</a>	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzhei...	Ashay O Patel ...2 more... Shankar Subramaniam	0	0.635	0	0	Journal of Alzheimer's Disease Reports	2,023		Oct 26, 2024 (2 weeks ago)
<a href="#">38102827</a> <a href="#">DOI</a> <a href="#">↗</a>	Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach.	Rubesh Raja ...5 more... Doraiswami Ramkrishna	0	1.188	0	0	Biophysical Journal	2,024		Oct 26, 2024 (2 weeks ago)
<a href="#">39143213</a> <a href="#">DOI</a> <a href="#">↗</a>	Mitochondrial complex I promotes kidney cancer metastasis.	Divya Bezwada ...36 more... Ralph J	0	18.509	0	0	Nature	2,024		Oct 26, 2024 (2 weeks ago)

		DeBerard inis								s ago)
<a href="#">38975764</a>  <a href="#">DOI</a> 	Taurine modulates host cell responses to <i>Helicobacter pylori</i> VacA toxin.	Mandy D Westland ...5 more... Timothy L Cover	0	1.0 42	0	0	Infection and Immunity	2,0 24	Oct 26, 2024 (2 week s ago)	
<a href="#">38172157</a>  <a href="#">DOI</a> 	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Adriana C Norris ...7 more... Todd R Graham	0	No data	0	3	3	Scientific Reports	2,0 24	Oct 26, 2024 (2 week s ago)
Software repositories associated with this project.										

Malayan										Oct		
Name	Description		Stars	Watchers	Forks	Issues	PRs	Commits	Contrib.			
<a href="#">38313293</a> 	bone marrow cells of young offspring born to obese mothers.			...4 more... Sushil Kumar	No data	0	0	0	Res Sq	2,024	(2 weeks	
Name	Tags	Last Commit	Avg Issue	Avg PR	Languages	License	Readme	Contributing	Dependencies			
<a href="#">38714664</a> 		FGFR inhibition blocks NF-κB-dependent glucose metabolism		Yuanli Zhen	No data	0	4.8	0	0	Nature Communications	2,024	Nov 1,

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.								
Closed/Open	Resolved/unresolved.	...11	2024						
Avg Issue/PR	more...	(1			week ago)				
Average time issues/pull requests stay open for before being closed.									
Only the main /default branch is considered for metrics like # of commits.									
# of dependencies is totaled from all manifests in repo, direct and transitive, e.g. package.json + package-lock.json.	Chen	Oct							
METTL3-mediated chromatin	Wang	26,							
<a href="#">38926365</a>	contacts promote stress granule	...17	4.8	Nature	2,0				

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.

## Cumulative Publications

Total: 37

