



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	Upda ted
34862502 DOI ↗	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 (1 month ago)
37349305 DOI ↗	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 (1 month ago)
37798473 DOI ↗	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 (1 month ago)
37441265 DOI ↗	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 (1 month ago)

		Gary H Perdew								h ago)
34721400 DOI ↗	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 (1 mont h ago)	
37452018 DOI ↗	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 (1 mont h ago)	
37815914 DOI ↗	MYC is a regulator of androgen receptor inhibition-induced metabolic requirements in prostate can...	Preston D Crowell ...23 more... Andrew S Goldstei n	1. 5 8	4.2 79	6	6	Cell Reports	2,0 23	Oct 26, 2024 (1 mont h ago)	
37515770 DOI ↗	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 (1 mont h ago)
38001239  DOI 	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 (1 mont h ago)	
37398141  DOI 	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 (1 mont h ago)	
35448980  DOI 	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 (1 mont h ago)	







		Subrama niam								
37983749  DOI 	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 (1 mont h ago)	
38714664  DOI 	FGFR inhibition blocks NF-κB- dependent glucose metabolism and confers metabolic vulnerabilities i...	Yuanli Zhen ...11 more... Nabeel Bardeesy	0	4.8 87	0	0	Nature Communications	2,0 24	Nov 1, 2024 (1 mont h ago)	
38286827  DOI 	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 (1 mont h ago)	

38018851 DOI ↗	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 (1 month ago)
38165806 DOI ↗	Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated t...	Dimitris Karagianis ...11 more... Chao Lu	0	4.279	2	2	Cell Reports	2,024	Oct 26, 2024 (1 month ago)
38172157 DOI ↗	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Adriana C Norris ...7 more... Todd R Graham	0	0.9	3	3	Scientific Reports	2,024	Oct 26, 2024 (1 month ago)
38226418 DOI ↗	Fatty acid metabolism promotes TRPV4 activity in lung microvascular endothelial cells in pulmonar...	Nicolas Philip ...20 more...	0	1.339	2	2	American Journal of Physiology - Lung Cellular and Molecular Physiology	2,024	Oct 26, 2024 (1 month ago)

		Karthik Suresh									h ago
38826219 DOI ↗	Single-cell transcriptomics reveals stage- and side-specificity of gene modules in colorectal can...	Sara Rahiminejad ...2 more... Shankar Subramaniam	0	0	0	0	Res Sq	2,024			Oct 26, 2024 (1 month ago)
39206133 DOI ↗	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 (1 month ago)
39420002 DOI ↗	Methionine-SAM metabolism-dependent ubiquinone synthesis is crucial for ROS accumulation in ferro...	Chaoyi Xia ...13 more... Yang Wang	0	4.887	0	0	Nature Communications	2,024			Oct 26, 2024 (1 month ago)



38651675 DOI ↗	A nested case-control study of untargeted plasma metabolomics and lung cancer among never-smoking...	Moham mad L Rahman ...12 more... Qing Lan	0	2.1 31	2	2	International Journal of Cancer	2,0 24	Oct 26, 2024 (1 mont h ago)
38313293 DOI ↗	Metabolic abnormalities in the bone marrow cells of young offspring born to obese mothers.	Maloyan Alina ...4 more... Sushil Kumar	0	0	0	0	Res Sq	2,0 24	Oct 26, 2024 (1 mont h ago)
38813868 DOI ↗	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	3.9 32	1	1	eLife	2,0 24	Oct 26, 2024 (1 mont h ago)
38926365 DOI ↗	METTL3-mediated chromatin contacts promote stress granule phase separation through metabolic repr...	Chen Wang ...17 more...	0	4.8 87	0	0	Nature Communications	2,0 24	Oct 26, 2024 (1 mont

		Rugang Zhang							h ago)
38975764 DOI ↗	Taurine modulates host cell responses to <i>Helicobacter pylori</i> VacA toxin.	Mandy D Westland ...5 more... Timothy L Cover	0	1.042	0	0	Infection and Immunity	2,024	Oct 26, 2024 (1 month ago)
37849634 DOI ↗	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 (1 month ago)
37546759 DOI ↗	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 (1 month ago)
39143213 DOI ↗	Mitochondrial complex I promotes kidney cancer	Divya Bezwada	0	18.50	0	0	Nature	2,024	Oct 26,

	metastasis.	...36 more... Ralph J DeBerar dinis	9							2024 (1 mont h ago)
38187579  DOI 	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Gregory Farage ...5 more... Śaunak Sen	0	0	0	0	bioRxiv	2,0 23	Oct 26, 2024 (1 mont h ago)	
38102827  DOI 	Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach.	Rubesh Raja ...5 more... Doraiswa mi Ramkrish na	0	1.1 88	0	0	Biophysical Journal	2,0 24	Oct 26, 2024 (1 mont h ago)	
38544285  DOI 	Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L...	Samuel J Cochran ...11 more... Kymberly M Gowdy	0	0.9 11	0	0	Toxicological Sciences	2,0 24	Oct 26, 2024 (1 mont	

										h ago)
39257804 DOI ↗	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	2,024	Oct 26, 2024 (1 month ago)	
39300135 DOI ↗	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Xiaomei Sun ...12 more... Zhen Zou	0	4.887	0	0	Nature Communications	2,024	Oct 26, 2024 (1 month ago)	

Software repositories associated with this project.

										Oct 26,
	Gut microbiota and metabolites		Puoxi Dai							
Name	Description		Stars	Watchers	Forks	Issues	PRs	Commits	Contrib.	
DOI 	In a menopausal transition rat m...			more... Yan Sun	No data		(Lausanne)		23	month ago)
Name	Tags	Last Commit	Avg Issue	Avg PR	Languages	License	Readme	Contributing	Dependencies	
DOI 		running exercises, microbial		Vazquez	No data	65	Microbiology		24	26,

Notes

Repository	For storing, tracking changes to, and collaborating on a piece of software.		
PR	diversity and tryptophan metabolism... "Pull request", a draft change (new feature, bug fix, etc.) to a repo.	Medina ...6	2024 (1
Closed/Open	Resolved/unresolved.	more...	mont h
Avg Issue/PR	Average time issues/pull requests stay open for before being closed.	Nataliya Chorna	ago)
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.	Tommas o Scolaro	Oct 26,
38844817	Nucleotide metabolism in cancer cells fuels a UDP-driven	...36 11.	2024 "1

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.

