



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
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 (4 weeks 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 (4 weeks 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 (4 weeks 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 (4 week

		Gary H Perdew								s 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 (4 week s 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 (4 week s ago)	
37815914  DOI 	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 (4 week s 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 (4 week s 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 (4 week s 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 (4 week s 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 (4 week s 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 (4 week s 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 (3 week s 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 (4 week s 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 (4 weeks 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 (4 weeks 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 (4 weeks 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 (4 weeks ago)

		Karthik Suresh								s ago)
38826219 DOI ↗	Single-cell transcriptomics reveals stage- and side-specificity of gene modules in colorectal can...	Sara Rahimine jad ...2 more... Shankar Subramaniam	0	0	0	0	Res Sq	2,024	Oct 26, 2024 (4 weeks 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 (4 weeks 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 (4 weeks ago)	

38651675 DOI ↗	A nested case-control study of untargeted plasma metabolomics and lung cancer among never-smoking...	Mohammad L Rahman ...12 more... Qing Lan	0	2.131	2	2	International Journal of Cancer	2,024	Oct 26, 2024 (4 weeks 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	2,024	Oct 26, 2024 (4 weeks 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	3.932	1	1	eLife	2,024	Oct 26, 2024 (4 weeks ago)
38926365 DOI ↗	METTL3-mediated chromatin contacts promote stress granule phase separation through metabolic repr...	Chen Wang ...17 more...	0	4.887	0	0	Nature Communications	2,024	Oct 26, 2024 (4 weeks ago)

		Rugang Zhang								s 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 (4 weeks 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 (4 weeks 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 (4 weeks 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 DeBerard inis	9							2024 (4 week s 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 (4 week s 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 (4 week s 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 (4 week	

										s 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 (4 weeks 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 (4 weeks ago)
Software repositories associated with this project.										
DOI	menopausal transition rat m...		more... Yan Sun	No data			(Lausanne)	25	week s ago)	
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 (4
Closed/Open	Resolved/unresolved.	more...	week
Avg Issue/PR	Average time issues/pull requests stay open for before being closed.	Nataliya Chorna	s 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 2,0

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.

