



# Core Project OT2OD030544









## Details

Projects	Name	Award	Publications	Repositories	Analytics
1OT2OD030544-01	Biomedical Data Commons	\$3,229,346.00	40 publications	0 repositories	0 properties
3OT2OD030544-01S1	Workbench (BDCW)				
3OT2OD030544-01S3					
3OT2OD030544-01S2					
3OT2OD030544-01S4					









## 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	Upda ted
<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. 8	0	32	16	Nat Methods	2022	Dec 28, 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. 7 1	0	13	13	Nat Metab	2023	Dec 29, 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	3. 2 4	0	11	11	Nat Commun	2023	Dec 29, 2024 (2 weeks ago)







<a href="#">38286827</a> <a href="#">DOI</a> <a href="#">↗</a>	Loss of Pip4k2c confers liver-metastatic organotropism through insulin-dependent PI3K-AKT pathway...	Meri Rogava ...43 more... Benjamin Izar	2.67	0	5	5	Nat Cancer	2024	Dec 28, 2024 (2 weeks ago)
<a href="#">37441265</a> <a href="#">DOI</a> <a href="#">↗</a>	Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation.	Ethan W Morgan ...12 more... Gary H Perdew	2.51	0	8	8	Int J Tryptophan Res	2023	Dec 29, 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 Scolaro ...36 more... Massimiliano Mazzone	2.22	0	5	5	Nat Cancer	2024	Dec 29, 2024 (2 weeks 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	1.73	0	23	7.667	Front Immunol	2021	Dec 29, 2024 (2 weeks ago)

		Subrama niam							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... Guillermo Oliver	1.62	0	7	7	Nat Commun	2023	Dec 29, 2024 (2 weeks 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	1.58	0	8	8	Cell Rep	2023	Dec 29, 2024 (2 weeks ago)
<a href="#">37515770</a> <a href="#">DOI</a> <a href="#">↗</a>	The stability of the myelinating oligodendrocyte transcriptome is regulated by the nuclear lamina.	Mathilde Pruvost ...16 more... Patrizia Casaccia	1.09	0	5	5	Cell Rep	2023	Dec 29, 2024 (2 weeks ago)
<a href="#">38001239</a> <a href="#">DOI</a> <a href="#">↗</a>	IL-1β-mediated adaptive reprogramming of endogenous	Jamila H Siamwala ...11	0.45	0	2	2	Commun Biol	2023	Dec 29, 2024









	human cardiac fibroblasts to cells with immun...	more... Richard J Gilbert								(2 weeks 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	0.28	0	1	1	bioRxiv	2023	Dec 29, 2024 (2 weeks ago)	
<a href="#">35448980</a>  <a href="#">DOI</a> 	Modular and mechanistic changes across stages of colorectal cancer.	Sara Rahiminejad ...2 more... Shankar Subramaniam	0.26	0	3	1.5	BMC Cancer	2022	Dec 28, 2024 (2 weeks ago)	
<a href="#">37983749</a>  <a href="#">DOI</a> 	MetGENE: gene-centric metabolomics information retrieval tool.	Sumana Srinivasan ...3 more... Shankar Subramaniam	0.1	0	1	0.5	Gigascience	2022	Dec 29, 2024 (2 weeks ago)	









<a href="#">37849634</a>  <a href="#">DOI</a> 	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzhei...	Ashay O Patel ...2 more... Shankar Subramaniam	0	0	0	0	J Alzheimers Dis Rep	2023	Dec 29, 2024 (2 weeks 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... Nataliya Chorna	0	0	0	0	Front Microbiol	2024	Dec 28, 2024 (2 weeks ago)
<a href="#">38714664</a>  <a href="#">DOI</a> 	FGFR inhibition blocks NF-κB-dependent glucose metabolism and confers metabolic vulnerabilities i...	Yuanli Zhen ...11 more... Nabeel Bardeesy	0	0	1	1	Nat Commun	2024	Dec 28, 2024 (2 weeks 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	2024	Dec 29, 2024 (2 weeks ago)
<a href="#">39305905</a>  <a href="#">DOI</a> 	DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-sig...	Shuyao Kong ...10 more... Adrienne H K Roeder	0	0	3	3	Dev Cell	2024	Dec 29, 2024 (2 weeks ago)
<a href="#">39707873</a>  <a href="#">DOI</a> 	Salivary Metabolomic Signatures in Pediatric Eosinophilic Esophagitis.	Girish Hiremath ...6 more... Andrea Locke	0	3.0 73	0	0	Allergy: European Journal of Allergy and Clinical Immunology	2024	Dec 29, 2024 (2 weeks 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	0	2	2	Am J Physiol Lung Cell Mol Physiol	2024	Dec 28, 2024 (2 weeks ago)
<a href="#">38102827</a>  <a href="#">DOI</a> 	Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach.	Rubesh Raja ...5 more... Doraiswami Ramkrishna	0	0	0	0	Biophys J	2024	Dec 28, 2024 (2 weeks ago)
<a href="#">38813868</a>  <a href="#">DOI</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	0	2	2	Elife	2024	Dec 29, 2024 (2 weeks ago)



<a href="#">39300135</a>  <a href="#">DOI</a> 	Gut symbiont-derived sphingosine modulates vector competence in <i>Aedes</i> mosquitoes.	Xiaomei Sun ...12 more... Zhen Zou	0	0	0	0	Nat Commun	2024	Dec 29, 2024 (2 weeks ago)
<a href="#">39206133</a>  <a href="#">DOI</a> 	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format...	Xianya Qu ...7 more... James W Kronstad	0	0	1	1	Front Fungal Biol	2024	Dec 29, 2024 (2 weeks 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	0	0	0	Infect Immun	2024	Dec 29, 2024 (2 weeks 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)	2023	Dec 29, 2024 (2 weeks ago)

										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	0	3	3	Sci Rep	2024	Dec 28, 2024 (2 weeks ago)	
<a href="#">38187579</a>  <a href="#">DOI</a> 	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Gregory Farage ...5 more... Śaunak Sen	0	0	0	0	bioRxiv	2023	Dec 29, 2024 (2 weeks ago)	
<a href="#">37546759</a>  <a href="#">DOI</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	2023	Dec 29, 2024 (2 weeks ago)	
<a href="#">38826219</a>  <a href="#">DOI</a> 	Single-cell transcriptomics reveals stage- and side-specificity of gene modules in colorectal can...	Sara Rahiminejad	0	0	0	0	Res Sq	2024	Dec 29, 2024	

		...2 more... Shankar Subrama niam								(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	0	2	2	Int J Cancer	202 4	Dec 28, 2024 (2 week s ago)	
<a href="#">39143213</a>  <a href="#">DOI</a> 	Mitochondrial complex I promotes kidney cancer metastasis.	Divya Bezwada ...36 more... Ralph J DeBerard inis	0	18. 50 9	3	3	Nature	202 4	Jan 4, 2025 (1 week 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	0	2	2	Cell Rep	202 4	Dec 28, 2024 (2 week s ago)	

38313293	Metabolic abnormalities in the bone marrow cells of young offspring born to obese mothers.	Maloyan Alina ...4 more...	Res Sq	2024	Dec 28, 2024 (2 weeks ago)
DOI					
Software repositories associated with this project.					

Name	Description	Stars	Watchers	Forks	Issues	PRs	Commits	Contrib.
38018851	Lipidomic Analysis Reveals Differences in the Extent of Remyelination in the Brain and Spinal Cord		Mohotti ...5 more...	0	0	0	0	2024
DOI						J Proteome Res		(2 weeks ago)

Name	Tags	Last Commit	Avg Issue	Avg PR	Languages	License	Readme	Contributing	Dependencies
No data									

Notes	385285	Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L	Samuel J Cochran ...11 more...	0	0	0	0	Toxicol Sci	2024	Dec 28, 2024 (2 weeks ago)
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.
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Avg Issue/PR	Average time issues/pull requests stay open for before being closed.
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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



## 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.

Generated on Jan 12, 2025				Developed with support from NIH Award <a href="#">U54 OD036472</a>						
<a href="#">59420002</a> 	<a href="#">DOI</a> 	dependent ubiquitome synthesis is crucial for ROS accumulation in ferro...	... 13 more... Yang Wang	0	0	0	0	Nat Commun	2024 4	(2 weeks ago)

### Notes

- RCR [Relative Citation Ratio](#)
- SJR [Scimago Journal Rank](#)

# Publications (cumulative)

Total: 40

