

# **L** Core Project OT2OD030544

## O Details

Projects	Name	Award	Publications	Repositories	Analytics
3OT2OD030544-01S2	Biomedical Data Commons	\$3,229,346.00	64 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. 28 1	18. 28 8	39	39	Nature	202 4	Sep 5, 202 5 (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. 41 8	0	26	26	Nat Cancer	202 4	Sep 5, 202 5 (just now )
34862502 <b>♂</b> DOI <b>♂</b>	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Petras, Daniel 33 more Wang, Mingxun	5. 59 7	0	49	16. 333	Nat Methods	202 2	Sep 5, 202 5 (just now )
38636516 🗹 DOI 🗹	Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids.	Dingare, Chaitanya 3 more Steventon	3. 91 1	0	16	16	Dev Cell	202 4	Sep 5, 202 5 (just

		, Benjamin							now )
37798473 🗗 DOI 🗗	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate	Miller, Anne 7 more Yellen, Gary	3. 81 7	0	24	12	Nat Metab	202 3	Sep 5, 202 5 (just now )
39420002 <b>Z</b> DOI <b>Z</b>	Methionine-SAM metabolism- dependent ubiquinone synthesis is crucial for ROS accumulation in ferro	Xia, Chaoyi 13 more Wang, Yang	3. 62	0	12	12	Nat Commun	202 4	Sep 5, 202 5 (just now )
37349305 🗹 DOI 🗹	Defining diurnal fluctuations in mouse choroid plexus and CSF at high molecular, spatial, and tem	Fame, Ryann M 21 more Lehtinen, Maria K	3. 61 9	0	23	11. 5	Nat Commun	202 3	Sep 5, 202 5 (just now )
38165806	Metabolic reprogramming by histone deacetylase inhibition	Karagiann is, Dimitris	3. 44 2	0	12	12	Cell Rep	202 4	Sep 5, 202

	preferentially targets NRF2-activated t	11 more Lu, Chao							5 (just now )
38286827 <b>②</b> DOI <b>②</b>	Loss of Pip4k2c confers liver- metastatic organotropism through insulin-dependent PI3K-AKT pathway	Rogava, Meri 43 more Izar, Benjamin	3. 05 4	0	12	12	Nat Cancer	202 4	Sep 5, 202 5 (just now )
39305905 🗹 DOI 🗹	DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-sig	Kong, Shuyao 10 more Roeder, Adrienne H K	2. 59 5	0	9	9	Dev Cell	202 4	Sep 5, 202 5 (just now )
38172157 🗗 DOI 🗗	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C 7 more Graham, Todd R	2. 21 5	0	7	7	Sci Rep	202 4	Sep 5, 202 5 (just now )

<u>37441265</u> <b>♂</b> <u>DOI</u> <b>♂</b>	Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation.	Morgan, Ethan W 12 more Perdew, Gary H	2. 08 6	0	13	6.5	Int J Tryptophan Res	202 3	Sep 5, 202 5 (just now )
37452018 🗗	Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis.	Takata, Nozomu 16 more Oliver, Guillermo	2. 04 2	0	17	8.5	Nat Commun	202 3	Sep 5, 202 5 (just now )
38714664 🗹 DOI 🗹	FGFR inhibition blocks NF-κB- dependent glucose metabolism and confers metabolic vulnerabilities i	Zhen, Yuanli 11 more Bardeesy, Nabeel	1. 99 3	0	7	7	Nat Commun	202 4	Sep 5, 202 5 (just now )
34721400 🗹 DOI 🗹	Immune Response in Severe and Non-Severe Coronavirus Disease 2019 (COVID-19) Infection: A Mechani	Mukund, Kavitha 6 more Subrama	1. 81	0	32	8	Front Immunol	202	Sep 5, 202 5 (just

		niam, Shankar							now )
39535921 🗗 DOI 🗗	Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the t	Han, Xu 13 more Simon, M Celeste	1. 78 1	0	7	7	Cell Rep	202 4	Sep 5, 202 5 (just now )
39206133 🗹 DOI 🗹	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format	Qu, Xianya 7 more Kronstad, James W	1. 71	0	5	5	Front Fungal Biol	202 4	Sep 5, 202 5 (just now )
<u>38813868</u> ☑ <u>DOI</u> ☑	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. 54 9	0	6	6	Elife	202 4	Sep 5, 202 5 (just now )
37815914 🗹	MYC is a regulator of androgen receptor inhibition-induced	Crowell, Preston D 23	1. 29 3	0	12	6	Cell Rep	202 3	Sep 5, 202

	metabolic requirements in prostate can	more Goldstein, Andrew S							5 (just now )
38161977 <b>亿</b> DOI <b>亿</b>	Gut microbiota and metabolites in estrus cycle and their changes in a menopausal transition rat m	Dai, Ruoxi 5 more Sun, Yan	1. 07	0	5	2.5	Front Endocrinol (Lausanne)	202 3	Sep 5, 202 5 (just now
38001239 🗹 DOI 🗹	IL-1β-mediated adaptive reprogramming of endogenous human cardiac fibroblasts to cells with immun	Siamwala, Jamila H 11 more Gilbert, Richard J	0. 83	0	6	3	Commun Biol	202 3	Sep 5, 202 5 (just now
37515770 ☑ DOI ☑	The stability of the myelinating oligodendrocyte transcriptome is regulated by the nuclear lamina.	Pruvost, Mathilde 16 more Casaccia, Patrizia	0. 78 3	0	7	3.5	Cell Rep	202 3	Sep 5, 202 5 (just now )

37849634 🗹 DOI 🗹	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzhei	Patel, Ashay O2 more Subrama niam, Shankar	0. 47 6	0	3	1.5	J Alzheimers Dis Rep	202 3	Sep 5, 202 5 (just now )
35448980 🗷 DOI 🗗	Modular and mechanistic changes across stages of colorectal cancer.	Rahiminej ad, Sara 2 more Subrama niam, Shankar	0. 46 4	0	6	2	BMC Cancer	202 2	Sep 5, 202 5 (just now )
37983749 🗷 DOI 🗗	MetGENE: gene-centric metabolomics information retrieval tool.	Srinivasa n, Sumana 3 more Subrama niam, Shankar	0. 16 3	0	2	0.6 67	Gigascience	202	Sep 5, 202 5 (just now )
37398141 🖸	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C 7 more	0. 15	0	1	0.5	bioRxiv	202 3	Sep 5, 202 5 (just

		Graham, Todd R							now )
38761133 🗗 DOI 🗗	Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho	Welch, Nicole14 more Dasarathy , Srinivasa n	0	0	3	3	J Physiol	202 4	Sep 5, 202 5 (just now )
38926365 🗹 DOI 🗹	METTL3-mediated chromatin contacts promote stress granule phase separation through metabolic repr	Wang, Chen 17 more Zhang, Rugang	0	0	3	3	Nat Commun	202 4	Sep 5, 202 5 (just now )
38975764 <b>♂</b> DOI <b>♂</b>	Taurine modulates host cell responses to Helicobacter pylori VacA toxin.	Westland, Mandy D 5 more Cover, Timothy L	0	0	2	2	Infect lmmun	202 4	Sep 5, 202 5 (just now )
39824876 🖸	Unveiling cellular changes in leukaemia cell lines after	Chamoso- Sanchez,	0	0	0	0	Sci Rep	202 5	Sep 5,

	cannabidiol treatment through lipidomics.	David 6 more Pellati, Federica							202 5 (just now )
40074083 🗷	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	Sep 5, 202 5 (just now )
40751246 ☑ DOI ☑	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	Sep 5, 202 5 (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	Sep 5, 202 5 (just now )

39979287 ☑ DOI ☑	Ketogenic diet suppresses colorectal cancer through the gut microbiome long chain fatty acid stea	Tsenkova, Mina 22 more Letellier, Elisabeth	0	0	7	7	Nat Commun	202 5	Sep 5, 202 5 (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	Sep 5, 202 5 (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	Sep 5, 202 5 (just now )

37546759 <b>(2</b> DOI <b>(2</b>	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate	Miller, Anne 7 more Yellen, Gary	0	0	0	0	Res Sq	202 3	Sep 5, 202 5 (just now
39300135 🗗	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Sun, Xiaomei 12 more Zou, Zhen	0	0	2	2	Nat Commun	202 4	Sep 5, 202 5 (just now
39307306 <b>2</b>	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	Sep 5, 202 5 (just now )
39328933 <b>乙</b>	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	Sep 5, 202 5 (just

		nko, Alexander							now )
38826219 <b>♂</b> DOI <b>♂</b>	Single-cell transcriptomics reveals stage- and side-specificity of gene modules in colorectal can	Rahiminej ad, Sara 2 more Subrama niam, Shankar	0	0	0	0	Res Sq	202 4	Sep 5, 202 5 (just now )
39754192 <b>乙</b> DOI <b>乙</b>	Integrative multiomics reveals common endotypes across PSEN1, PSEN2, and APP mutations in familia	Valdes, Phoebe 9 more Subrama niam, Shankar	0	0	1	1	Alzheimers Res Ther	202 5	Sep 5, 202 5 (just now )
39257804 🗗	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp	Tamir, Tigist Y 15 more White, Forest M	0	0	0	0	bioRxiv	202 4	Sep 5, 202 5 (just now )
40166866 ℃ DOI ♂	Severe Cognitive Decline in Long- term Care Is Related to Gut	Shoubrid ge, Andrew P	0	0	0	0	J Gerontol A Biol Sci Med Sci	202 5	Sep 5, 202

	Microbiome Production of Metabolites	17 more Rogers, Geraint B							5 (just now )
40502162 🗗	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	Sep 5, 202 5 (just now )
40600951 🗹	Histidine decarboxylase inhibition attenuates cancer-associated muscle wasting.	Dasgupta, Aneesha 11 more Doles, Jason D	0	0	0	0	J Exp Med	202 5	Sep 5, 202 5 (just now )
38102827 ♂ DOI ♂	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	Sep 5, 202 5 (just now )

38187579 <b>♂</b> DOI <b>♂</b>	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Farage, Gregory 5 more Sen, Śaunak	0	0	0	0	bioRxiv	202 3	Sep 5, 202 5 (just now )
38318337 <b>♂</b> DOI <b>♂</b>	Exploring the interplay between running exercises, microbial diversity, and tryptophan metabolism	Vazquez- Medina, Alejandra 6 more Chorna, Nataliya	0	0	4	4	Front Microbiol	202 4	Sep 5, 202 5 (just now )
38544285 <b>♂</b> DOI <b>♂</b>	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	1	1	Toxicol Sci	202 4	Sep 5, 202 5 (just now )

38937647 <b>乙</b> DOI <b>乙</b>	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	Sep 5, 202 5 (just now )
<u>39448026</u> ℃ <u>DOI</u> ℃	Untargeted metabolomics of 3xTg-AD neurotoxic astrocytes.	Carvalho, Diego9 more Arredond o, Florencia	0	0	0	0	J Proteomics	202 5	Sep 5, 202 5 (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	Sep 5, 202 5 (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	Sep 5, 202 5 (just

		Doraiswa							now	
		mi							)	
40052831 <b>♂</b> DOI <b>♂</b>	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	Sep 5, 202 5 (just now )	
40312501 <b>乙</b>	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	Sep 5, 202 5 (just now )	
40308032 <b>乙</b>	Integrated Multiomics Analyses of the Molecular Landscape of Sarcopenia in Alcohol-Related Liver 	Welch, Nicole13 more Dasarathy , Srinivasa  /> // Repos	0 <b>itor</b> i	o ies	0	0	J Cachexia Sarcopenia Muscle	202 5	Sep 5, 202 5 (just now )	
40369079 <b>♂</b> DOI <b>♂</b>	Taurine from tumour niche drives Sharma, 0 18. 5 5 Nature glycolysis to promote Software repositories iassociated with this project.									

Name	C	escription	Stars	Watchers	Forks	Issue	es PRs	Commits	Con	trib.
		leukaemogenesi	S.	2	No data	8				202
				mo	re					5
Name	Tags	Last Commit	Avg Issue	Avg PR I	_anguages	License	Readme	Contributing	Depende	encies
					No data					)
				Mit	chell,					Sep
Notes 4079137 Republifor: PR Closed/Op	ТУ	ndufs2 <sup>-/-&lt; have impaired su Fजार्थाकामधुङ्गाविद्यात morphology, and "Pull request", a di Resolved/unresolv</sup>	urvival, ngtivibunges to d on raft change (n	sh Dar 10 , and colla <b>b</b>	na V ) O fæting on a p	0 0 iece of soft o a repo.	0 b ware.	ioRxiv	202 5	5, 202 5 (just now )
3970251	main, 18 <b>[</b> ]	Average time issue defate brish and r analyses of the h cieristearladifreev regula	netabolomifo Onsideredifo Duman adult	Hui r metrics like <sub>r</sub> ipe <b>rap</b> e, direc mo	nter, # <sub>a</sub> ofiicommit	5.		n + package-lo	202 ock.json.	Sep 5, 202 5 (just now

## Analytics

Traffic metrics of websites associated with this project.

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.

Bu	ilt on Sep 5, 202	5			Dev	elope	d with	support from NIH	l Award U54 (	DD036472
		υριπαι συτα.	Meredith D							now )
<u>[</u>	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	Sep 5, 202 5 (just now )
	40441152 <b>2</b> DOI <b>2</b>	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp	Tamir, Tigist Y 15 more White, Forest M	0	0	0	0	Mol Cell	202 5	Sep 5, 202 5 (just now )

#### Notes

RCR Relative Citation Ratio

SJR Scimago Journal Rank

### Publications (cumulative)

Total: 64

