

L Core Project OT2OD030544

O Details

| Projects | Name | Award | Publications | Repositories | Analytics |
|-------------------|-------------------------|----------------|-----------------|----------------|--------------|
| 3OT2OD030544-01S2 | Biomedical Data Commons | \$3,229,346.00 | 69 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. 89 3 | 18. 28 8 | 44 | 44 | Nature | 202 4 | Oct 8, 202 5 (just now) |
| 38844817 乙 | Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunos | Scolaro, Tommaso 36 more Mazzone, Massimili ano | 6. 52 5 | 0 | 28 | 28 | Nat Cancer | 202 4 | Oct 8, 202 5 (just now) |
| 34862502 乙 DOI 乙 | GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser. | Petras, Daniel 33 more Wang, Mingxun | 5. 70 8 | 0 | 52 | 17. 333 | Nat Methods | 202 2 | Oct 8, 202 5 (just now) |
| 38636516 🗹 | Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids. | Dingare, Chaitanya 3 more Steventon | 4. 16 6 | 0 | 18 | 18 | Dev Cell | 202 4 | Oct 8, 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. 83 | 0 | 25 | 12. 5 | Nat Metab | 202 3 | Oct 8, 202 5 (just now) |
| 39420002 Z DOI Z | Methionine-SAM metabolism- dependent ubiquinone synthesis is crucial for ROS accumulation in ferro | Xia, Chaoyi 13 more Wang, Yang | 3. 64 | 0 | 13 | 13 | Nat Commun | 202 4 | Oct 8, 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 2 | 0 | 24 | 12 | Nat Commun | 202 3 | Oct 8, 202 5 (just now) |
| 38165806 | Metabolic reprogramming by histone deacetylase inhibition | Karagiann is, Dimitris | 3. 47 9 | 0 | 13 | 13 | Cell Rep | 202 4 | Oct 8, 202 |

| | preferentially targets NRF2-activated t | 11 more Lu, Chao | | | | | | | 5 (just now) |
|-----------------------------------|---|--|---------------|---|----|----|------------|----------|--|
| 38286827 ♂ DOI ♂ | Loss of Pip4k2c confers liver- metastatic organotropism through insulin-dependent PI3K-AKT pathway | Rogava, Meri 43 more Izar, Benjamin | 2. 87 | 0 | 12 | 12 | Nat Cancer | 202 4 | Oct 8, 202 5 (just now) |
| 39535921 🗹 DOI 🗗 | Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the t | Han, Xu 13 more Simon, M Celeste | 2. 67 | 0 | 11 | 11 | Cell Rep | 202 4 | Oct 8, 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. 60 4 | 0 | 9 | 9 | Sci Rep | 202 4 | Oct 8, 202 5 (just now) |

| 39305905 🗗 DOI 🗹 | DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-sig | Kong, Shuyao10 more Roeder, Adrienne H K | 2. 42 9 | 0 | 9 | 9 | Dev Cell | 202 4 | Oct 8, 202 5 (just now) |
|-----------------------------------|--|---|---------------|---|----|---|----------------------|----------|--|
| 38714664 ② DOI ② | FGFR inhibition blocks NF-κB- dependent glucose metabolism and confers metabolic vulnerabilities i | Zhen, Yuanli 11 more Bardeesy, Nabeel | 2. 37 6 | 0 | 9 | 9 | Nat Commun | 202 4 | Oct 8, 202 5 (just now) |
| 37441265 🗹 DOI 🗹 | Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation. | Morgan, Ethan W 12 more Perdew, Gary H | 2. 13 7 | 0 | 14 | 7 | Int J Tryptophan Res | 202 3 | Oct 8, 202 5 (just now) |

| 37452018 🗗 DOI 🗗 | Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis. | Takata, Nozomu 16 more Oliver, Guillermo | 2. 06 6 | 0 | 18 | 9 | Nat Commun | 202 3 | Oct 8, 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. 95 5 | 0 | 6 | 6 | Front Fungal Biol | 202 4 | Oct 8, 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 niam, Shankar | 1. 82 7 | 0 | 33 | 8.2 5 | Front Immunol | 202 1 | Oct 8, 202 5 (just now) |
| 38318337 🗗 DOI 🗗 | Exploring the interplay between running exercises, microbial diversity, and tryptophan metabolism | Vazquez- Medina, Alejandra 6 more | 1. 61 1 | 0 | 5 | 5 | Front Microbiol | 202 4 | Oct 8, 202 5 (just |

| | | Chorna, Nataliya | | | | | | | now) |
|-----------------------------------|---|--|---------------|---|----|-----|--------------------------------|----------|--|
| 38813868 ♂ DOI ♂ | 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. 45 5 | 0 | 6 | 6 | Elife | 202 4 | Oct 8, 202 5 (just now) |
| 37815914 🗹 DOI 🗹 | MYC is a regulator of androgen receptor inhibition-induced metabolic requirements in prostate can | Crowell, Preston D23 more Goldstein, Andrew S | 1. 35 3 | 0 | 13 | 6.5 | Cell Rep | 202 3 | Oct 8, 202 5 (just now) |
| 38926365 ☑ DOI ☑ | METTL3-mediated chromatin contacts promote stress granule phase separation through metabolic repr | Wang, Chen 17 more Zhang, Rugang | 1. 13 2 | 0 | 5 | 5 | Nat Commun | 202 4 | Oct 8, 202 5 (just now) |
| 38161977 🗗 DOI 🗗 | Gut microbiota and metabolites in estrus cycle and their changes in a menopausal transition rat m | Dai, Ruoxi 5 | 1. 02 1 | 0 | 5 | 2.5 | Front Endocrinol (Lausanne) | 202 3 | Oct 8, 202 |

| | | more Sun, Yan | | | | | | | 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. 92 8 | 0 | 7 | 3.5 | Commun Biol | 202 3 | Oct 8, 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. 74 8 | 0 | 7 | 3.5 | Cell Rep | 202 3 | Oct 8, 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. 45 4 | 0 | 3 | 1.5 | J Alzheimers Dis Rep | 202 3 | Oct 8, 202 5 (just now) |

| 35448980 ♂ DOI ♂ | Modular and mechanistic changes across stages of colorectal cancer. | Rahiminej ad, Sara 2 more Subrama niam, Shankar | 0. 45 | 0 | 6 | 2 | BMC Cancer | 202 2 | Oct 8, 202 5 (just now) |
|---------------------|---|--|---------------|---|---|-----------|-------------|----------|--|
| 37983749 🖸 DOI 🗗 | MetGENE: gene-centric metabolomics information retrieval tool. | Srinivasan , Sumana 3 more Subrama niam, Shankar | 0. 15 8 | 0 | 2 | 0.6 67 | Gigascience | 202 2 | Oct 8, 202 5 (just now) |
| 37398141 🗗 DOI 🗗 | Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice. | Norris, Adriana C 7 more Graham, Todd R | 0. 14 3 | 0 | 1 | 0.5 | bioRxiv | 202 3 | Oct 8, 202 5 (just now) |
| 38102827 🗗 | Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach. | Raja, Rubesh 5 more Ramkrish na, | 0 | 0 | 0 | 0 | Biophys J | 202 4 | Oct 8, 202 5 (just |

| | | Doraiswa mi | | | | | | | now) |
|-----------------------------------|--|---|---|---|---|---|----------------|----------|--|
| 38187579 ♂ DOI ♂ | Matrix Linear Models for connecting metabolite composition to individual characteristics. | Farage, Gregory 5 more Sen, Śaunak | 0 | 0 | 0 | 0 | bioRxiv | 202 3 | Oct 8, 202 5 (just now) |
| 39257804 🗹 DOI 🗹 | 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 | Oct 8, 202 5 (just now) |
| 38018851 ☑ DOI ☑ | Lipidomic Analysis Reveals Differences in the Extent of Remyelination in the Brain and Spinal Cord. | De Silva Mohotti, Nishama 5 more Hartley, Meredith D | 0 | 0 | 2 | 2 | J Proteome Res | 202 4 | Oct 8, 202 5 (just now) |
| 38826219 🗗 | Single-cell transcriptomics reveals stage- and side-specificity of gene | Rahiminej ad, Sara | 0 | 0 | 0 | 0 | Res Sq | 202 4 | Oct 8, |

| | modules in colorectal can | 2 more Subrama niam, Shankar | | | | | | | 202 5 (just now) |
|-----------------------------------|---|--|---|---|---|---|-------------------|----------|--|
| 38761133 乙 DOI 乙 | Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho | Welch, Nicole14 more Dasarathy , Srinivasan | 0 | 0 | 3 | 3 | J Physiol | 202 4 | Oct 8, 202 5 (just now) |
| 38937647 乙 | 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 | Oct 8, 202 5 (just now) |
| 39307306 乙 | 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 | 2 | 2 | J Biol Chem | 202 4 | Oct 8, 202 5 (just now) |

| 39754192 🗗 DOI 🗗 | Integrative multiomics reveals common endotypes across PSEN1, PSEN2, and APP mutations in familia | Valdes, Phoebe 9 more Subrama niam, Shankar | 0 | 0 | 4 | 4 | Alzheimers Res Ther | 202 5 | Oct 8, 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 | Oct 8, 202 5 (just now) |
| 40052831 🗗 | 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 | Oct 8, 202 5 (just now) |

| 40369079 乙 | Taurine from tumour niche drives glycolysis to promote leukaemogenesis. | Sharma, Sonali 21 more Bajaj, Jeevisha | 0 | 18. 28 8 | 6 | 6 | Nature | 202 5 | Oct 8, 202 5 (just now) |
|-----------------------------------|--|---|---|----------------|---|---|---------|----------|--|
| 40502162 乙 DOI 乙 | 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 | Oct 8, 202 5 (just now) |
| 40670786 ♂ DOI ♂ | Imidazole propionate is a driver and therapeutic target in atherosclerosis. | Mastrang elo, Annalaura 37 more Sancho, David | 0 | 18. 28 8 | 6 | 6 | Nature | 202 5 | Oct 8, 202 5 (just now) |

| 37546759 亿 DOI 亿 | 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 | Oct 8, 202 5 (just now) |
|-----------------------------------|---|--|---|---|---|---|----------------------------------|----------|--|
| 39702518 乙 DOI 乙 | Proteomic and metabolomic analyses of the human adult myocardium reveal ventricle-specific regula | Hunter, Benjamin 11 more Lal, Sean | 0 | 0 | 2 | 2 | Commun Biol | 202 4 | Oct 8, 202 5 (just now) |
| 39824876 乙 DOI 乙 | Unveiling cellular changes in leukaemia cell lines after cannabidiol treatment through lipidomics. | Chamoso- Sanchez, David 6 more Pellati, Federica | 0 | 0 | 0 | 0 | Sci Rep | 202 5 | Oct 8, 202 5 (just now) |
| 40166866 CZ DOI CZ | Severe Cognitive Decline in Long- term Care Is Related to Gut Microbiome Production of Metabolites | Shoubridg e, Andrew P 17 more | 0 | 0 | 1 | 1 | J Gerontol A Biol Sci Med Sci | 202 5 | Oct 8, 202 5 (just |

| | | Rogers, Geraint B | | | | | | | now) |
|-----------------------------------|---|--|---|---|---|---|---------------------|----------|--|
| 40312501 ♂ DOI ♂ | Synaptic vesicle-omics in mice captures signatures of aging and synucleinopathy. | Gao, Virginia 14 more Burré, Jacqueline | 0 | 0 | 0 | 0 | Nat Commun | 202 5 | Oct 8, 202 5 (just now) |
| 40932625 ☑ DOI ☑ | Autoimmune disease risk gene ANKRD55 promotes TH17 effector function through metabolic modulation. | Xu, Jinjin 14 more Xavier, Ramnik J | 0 | 0 | 0 | 0 | J Exp Med | 202 5 | Oct 8, 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 | Oct 8, 202 5 (just now) |
| 40759793 ♂ DOI ♂ | Left ventricular myocardial molecular profile of human diabetic ischaemic cardiomyopathy. | Hunter, Benjamin 16 | 0 | 0 | 1 | 1 | EMBO Mol Med | 202 5 | Oct 8, 202 |

| | | more Lal, Sean | | | | | | | 5 (just now) |
|---------------------|---|--|---|-----------|---|---|----------|----------|--|
| 40791373 🗗 DOI 🗗 | ndufs2 ^{-/-} zebrafish have impaired survival, neuromuscular activity, morphology, and on | Mitchell, Dana V 10 more Falk, Marni J | 0 | 0 | 1 | 1 | bioRxiv | 202 5 | Oct 8, 202 5 (just now) |
| 39328933 ☑ DOI ☑ | Deletion of <i>Kcnj16</i> altered transcriptomic and metabolomic profiles of Dahl salt-sensitive | Xu, Biyang4 more Starusche nko, Alexander | 0 | 1.3 63 | 1 | 1 | iScience | 202 4 | Oct 8, 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 | Oct 8, 202 5 (just now) |

| 39448026 🗹 DOI 🗗 | Untargeted metabolomics of 3xTg-AD neurotoxic astrocytes. | Carvalho, Diego9 more Arredond o, Florencia | 0 | 0 | 0 | 0 | J Proteomics | 202 5 | Oct 8, 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 | Oct 8, 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 | Oct 8, 202 5 (just now) |

| 39979287 亿 DOI 亿 | Ketogenic diet suppresses colorectal cancer through the gut microbiome long chain fatty acid stea | Tsenkova, Mina 22 more Letellier, Elisabeth | 0 | 0 | 9 | 9 | Nat Commun | 202 5 | Oct 8, 202 5 (just now) |
|-----------------------------------|--|--|---|---|---|---|---------------------------------|----------|--|
| 40308032 ☑ DOI ☑ | Integrated Multiomics Analyses of the Molecular Landscape of Sarcopenia in Alcohol-Related Liver | Welch, Nicole13 more Dasarathy , Srinivasan | 0 | 0 | 0 | 0 | J Cachexia Sarcopenia Muscle | 202 5 | Oct 8, 202 5 (just now) |
| 40441152 🗗 | 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 | Oct 8, 202 5 (just now) |

| Name | D | escription | Stars | Watch | ers | Forks | lss | sues | PRs | Commits | Con | trib. |
|---------------------------------------|------------|--|-------------------------------|------------------------|-------------------|--------------------------|----------|-----------|-------|-----------------------------|----------------------|-------------------------------|
| 4082802 | 3 [| metabolites from | • | Ju | 7 N | o data | 0 | 1 | 1 Pi | roc Natl Acad Sci l | J 202 | 202 5 |
| <u>DOI</u> 🖸 | | biosynthesis in tl micro | he human ora | al | more Zhang | • | U | i | S | A | 5 | ز jus) |
| Name | Tags | Last Commit | Avg Issue | Avg PR | Lan | guages | Licens | e R | eadme | Contributing | Depende | encies |
| | | | | | N | o data | | | | | | |
| | | | | | Westla | nd, | | | | | | Oc. |
| Notes 76 DOI C Repository PR | / | Taurine modulat responses to Hel VacA toxin. For storing, trackir "Pull request", a dr | licobacter pylong changes to, | , and coll | | 0 ng on a pi | | | | fect lmmun | 202 4 | 8, 20: 5 (jus nov |
| Closed/Op | en | Resolved/unresolv | ed. | | | | | | | | | Oc |
| Avg Issue/ | PR . | Average time issue | es/pull reques | ts stay o _l | p s unf,or | before be | ing clos | ed. | | | | 8, |
| ーリハリーチェ | | Gut symbiont-de default pregybeit ઠ ieક્રેલ્ડિકાલ્ક વર્મિંગ | Pesidered fee | Metrics | | f commits nd transiti | | 4 pack | | at Commun n + package-lo | 202 4 ck.json. | 20: 5 (jus nov |

Analytics

Notes

Active Users <u>Distinct users who visited the website</u> **.**

New Users <u>Users who visited the website for the first time</u> **?**.

Engaged Sessions <u>Visits that had significant interaction</u> **?**.

| Bu | ilt on Oct 8, 2025 | | | | Deve | eloped | with | support from NIH Award | U54 C | D036472 |
|----|---------------------|---|---|---|------|--------|------|------------------------|----------|---------------------------------------|
| | 38313293 ☑ DOI ☑ | Metabolic abnormalities in the bone marrow cells of young offspring born to obese mothers. | Maloyan 4 more Kumar, Sushil | 0 | 0 | 0 | 0 | Res Sq | 202 4 | 8, 202 5 (just now) |
| | 38544285 🖸 | Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L | Cochran, Samuel J11 more Gowdy, Kymberly M | 0 | 0 | 1 | 1 | Toxicol Sci | 202 4 | Oct 8, 202 5 (just now |
| - | 39395792 🗹 DOI 🗹 | 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 | Oct 8, 202 5 (just |

[&]quot;Top" metrics are measured by number of engaged sessions.

| | | Doraiswa mi | | | | | | | now) |
|---------------------|--|--|---|-----------|---|---|-------------|----------|--|
| 40074083 乙 | 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 | Oct 8, 202 5 (just now) |
| 40863167 ♂ DOI ♂ | Metabolomics Network Analysis of Various Genotypes Associated with Schizophrenia Gene Variant. | Rajula, Hema Sekhar Reddy 8 more Fanos, Vassilios | 0 | 0.9 96 | 0 | 0 | Metabolites | 202 5 | Oct 8, 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 | Oct 8, 202 5 (just now) |

Notes

RCR Relative Citation Ratio

SJR Scimago Journal Rank

Publications (cumulative)



