

L Core Project OT2OD030544

O Details

| Projects | Name | Award | Publications | Repositories | Analytics |
|-------------------|-------------------------|----------------|-----------------|----------------|--------------|
| 3OT2OD030544-01S4 | Biomedical Data Commons | \$3,229,346.00 | 68 publications | 0 repositories | 0 properties |
| 3OT2OD030544-01S2 | Workbench (BDCW) | | | | |
| 3OT2OD030544-01S3 | | | | | |
| 3OT2OD030544-01S1 | | | | | |
| 1OT2OD030544-01 | | | | | |

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 15, 2025 (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 15, 2025 (just now) |
| 34862502 🗗 DOI 🗗 | GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser. | Petras, Daniel33 more Wang, Mingxun | 5. 59 7 | 0 | 49 | 16. 333 | Nat Methods | 202 2 | Sep 15, 2025 (just now) |

| 38636516 ♂ DOI ♂ | Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids. | Dingare, Chaitanya 3 more Steventon , Benjamin | 3. 91 1 | 0 | 16 | 16 | Dev Cell | 202 4 | Sep 15, 2025 (just 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 15, 2025 (just now) |
| 39420002 🗗 | 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 15, 2025 (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 15, 2025 (just now) |

| 38165806 ♂ DOI ♂ | Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated t | Karagiann is, Dimitris11 more Lu, Chao | 3. 44 2 | 0 | 12 | 12 | Cell Rep | 202 4 | Sep 15, 2025 (just now) |
|-----------------------------------|---|---|---------------|---|----|----|------------|----------|-------------------------------------|
| 38286827 ♂ DOI ♂ | 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 15, 2025 (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 15, 2025 (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 15, 2025 (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. 08 6 | 0 | 13 | 6.5 | Int J Tryptophan Res | 202 3 | Sep 15, 2025 (just now) |
|---------------------|--|--|---------------|---|----|-----|----------------------|----------|-------------------------------------|
| 37452018 🗗 DOI 🗗 | 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 15, 2025 (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 15, 2025 (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. 81 | 0 | 32 | 8 | Front Immunol | 202 1 | Sep 15, 2025 (just now) |

| 39535921 🗗 | 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 15, 2025 (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 15, 2025 (just 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. 54 9 | 0 | 6 | 6 | Elife | 202 4 | Sep 15, 2025 (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. 29 3 | 0 | 12 | 6 | Cell Rep | 202 3 | Sep 15, 2025 (just now) |

| 38161977 ♂ DOI ♂ | 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 15, 2025 (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 15, 2025 (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 15, 2025 (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 15, 2025 (just now) |

| 35448980 乙 | 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 15, 2025 (just now) |
|-----------------------------------|---|--|---------------|---|---|-----------|---------------------------------------|----------|-------------------------------------|
| 37983749 乙 | MetGENE: gene-centric metabolomics information retrieval tool. | Srinivasan , Sumana 3 more Subrama niam, Shankar | 0. 16 3 | 0 | 2 | 0.6 67 | Gigascience | 202 2 | Sep 15, 2025 (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. 15 | 0 | 1 | 0.5 | bioRxiv | 202 3 | Sep 15, 2025 (just now) |
| 38226418 ② DOI ② | Fatty acid metabolism promotes TRPV4 activity in lung microvascular endothelial cells in pulmonar | Philip, Nicolas 20 more Suresh, Karthik | 0 | 0 | 2 | 2 | Am J Physiol Lung Cell Mol Physiol | 202 4 | Sep 15, 2025 (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 15, 2025 (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 15, 2025 (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 | 1 | 1 | Alzheimers Res Ther | 202 5 | Sep 15, 2025 (just now) |
| 39824876 ☑ DOI ☑ | 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 | Sep 15, 2025 (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 15, 2025 (just now) |
|---------------------|---|---|---|----------------|---|---|-----------------------------|----------|-------------------------------------|
| 40828023 ☑ DOI ☑ | Synergistic action of specialized metabolites from divergent biosynthesis in the human oral micro | Loop Yao, McKenna 7 more Zhang, Wenjun | 0 | 0 | 0 | 0 | Proc Natl Acad Sci U S A | 202 5 | Sep 15, 2025 (just now) |
| 40670786 🗷 | Imidazole propionate is a driver and therapeutic target in atherosclerosis. | Mastrang elo, Annalaur a 37 more Sancho, David | 0 | 18. 28 8 | 1 | 1 | Nature | 202 5 | Sep 15, 2025 (just now) |
| 37546759 🗹 DOI 🗹 | 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 15, 2025 (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 15, 2025 (just now) |
|---------------------|---|---|---|---|---|---|----------------------------------|----------|-------------------------------------|
| 40052831 ☑ DOI ☑ | 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 15, 2025 (just now) |
| 40166866 ☑ DOI ☑ | Severe Cognitive Decline in Long- term Care Is Related to Gut Microbiome Production of Metabolites | Shoubrid ge, Andrew P 17 more Rogers, Geraint B | 0 | 0 | 0 | 0 | J Gerontol A Biol Sci Med Sci | 202 5 | Sep 15, 2025 (just now) |
| 38544285 🗹 DOI 🗹 | 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 15, 2025 (just now) |

| 39307306 | 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 15, 2025 (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 | Sep 15, 2025 (just now) |
| 39395792 ☑ DOI ☑ | Modeling enzyme competition in eicosanoid metabolism in macrophage cells using a cybernetic frame | Khanum, Sana5 more Ramkrish na, Doraiswa mi | 0 | 0 | 0 | 0 | J Lipid Res | 202 4 | Sep 15, 2025 (just now) |

| 40502162 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 | Sep 15, 2025 (just now) |
|--|---|--|---|---|---|---|-----------------|----------|-------------------------------------|
| 40932625 🗗 | 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 | Sep 15, 2025 (just now) |
| 38975764 🖸 | 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 15, 2025 (just now) |
| <u>38318337</u> ♂ DOI ♂ | 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 15, 2025 (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 15, 2025 (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 15, 2025 (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 15, 2025 (just now) |
| 39702518 ♂ DOI ♂ | Proteomic and metabolomic analyses of the human adult myocardium reveal ventriclespecific regula | Hunter, Benjamin 11 more Lal, Sean | 0 | 0 | 2 | 2 | Commun Biol | 202 4 | Sep 15, 2025 (just now) |

| 40441152 🗗 DOI 🗗 | Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp | Tamir, Tigist Y15 more White, Forest M | 0 | 0 | 0 | 0 | Mol Cell | 202 5 | Sep 15, 2025 (just now) |
|-----------------------------------|--|--|---|---|---|---|---------------------------------|----------|-------------------------------------|
| 38313293 ☑ DOI ☑ | 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 15, 2025 (just now) |
| <u>38187579</u> ℃ <u>DOI</u> ℃ | Matrix Linear Models for connecting metabolite composition to individual characteristics. | Farage, Gregory 5 more Sen, Śaunak | 0 | 0 | 0 | 0 | bioRxiv | 202 3 | Sep 15, 2025 (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 | Sep 15, 2025 (just 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 | Sep 15, 2025 (just now) |
|---------------------|---|--|---|----------------|---|---|--------------|----------|-------------------------------------|
| 40369079 ☑ DOI ☑ | Taurine from tumour niche drives glycolysis to promote leukaemogenesis. | Sharma, Sonali 21 more Bajaj, Jeevisha | 0 | 18. 28 8 | 5 | 5 | Nature | 202 5 | Sep 15, 2025 (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 | Sep 15, 2025 (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 | Sep 15, 2025 (just now) |

| 38937647 (2 <u>DOI</u> (2 | Metabolic abnormalities i marrow cells of young off born to mothers with obe | n the bone spring nesity. | hillips, lysse A .4 nore Maloyan, llina Reposi t | 0 0 | 3 | 3 | Int J Obes (Lond) | 202 4 | Sep 15, 2025 (just now) |
|--|--|---|---|-------------------|-------------------------------|--------|-------------------------|-----------------------------------|-------------------------------------|
| 38102827 🗗 Name | Modeling transcriptional | R ftware reposito regulation n ovel D Watcher | laja, lubesh ories associa nore | ated with 0 0 rks | this pr 0 Issues | 0 | Biophys J Rs Commits | 202 ¹ Con | Sep 15, 2025 trib. |
| Name Tag | s Last Commit Avg Iss | | ام Silva Language | es Lice | ense | Readme | Contributing | Dependo | encies |
| 38018851 2 DOI 2 Notes | Differences in the Extent Remyelination in the Brai Spinal Cord. | of n and n H | No data .5 No data nore Hartley, Meredith | 0 0 | 2 | 2 | J Proteome Res | 202 4 | 15, 2025 (just now) |
| Repository | For storing, tracking change | | | a piece c | of softw | are. | | | |
| | "Dull request" a draft shap | ze (new feature | hug fix et | c.) to a re | epo. | | | | |
| PR | "Pull request", a draft chan | oc (incivi reatare | , 546 11,7, 66 | • | - | | | | |
| PR Closed/Open | Resolved/unresolved. | Se (Hew Teature | ., 50g m, cc | , | | | | | |

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 <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> **?**.

Built on Sep 15, 2025

Developed with support from NIH Award U54 OD036472

| | | ∠ou, ∠hen | | | | | | | 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 15, 2025 (just now) |

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

| 40791373 ♂ DOI ♂ | ndufs2 ^{-/-} zebrafish have impaired survival, neuromuscular activity, morphology, and on | Mitchell, Dana V 10 more Falk, Marni J | 0 | 0 | 0 | 0 | bioRxiv | 202 5 | Sep 15, 2025 (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 | Sep 15, 2025 (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 15, 2025 (just now) |

Notes

RCR Relative Citation Ratio

SJR Scimago Journal Rank

Publications (cumulative)

Total: 68

