



## (Core Project U24OD036598)

### Overview

High-level info about this project.

| Projects          | Name   | Award  | Publications    | Repositories   | Analytics    |
|-------------------|--|--------|-----------------|----------------|--------------|
| 4U24OD036598-08   | Molecular Transducers of Physical Activity (MoTrPAC) | \$7.9M | 14 publications | 0 repositories | 0 properties |
| 3U24OD036598-08S1 |  |        |                 |                |              |
| 9U24OD036598-07   |  |        |                 |                |              |
| 3U24OD036598-07S1 |  |        |                 |                |              |
| 3U24OD036598-07S2 |  |        |                 |                |              |

## Publications

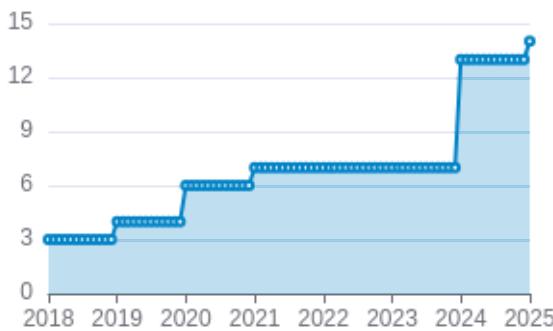
Published works associated with this project.

| ID   | Title  | Authors  | RC<br>R        | SJ<br>R        | Cit.<br>ati<br>ons | Cit.<br>/ye<br>ar | Journal           | Pub<br>lished | Upd<br>ated  |
|--|--|--|----------------|----------------|--------------------|-------------------|-------------------|---------------|--------------|
| <a href="#">38693412</a>    | Temporal dynamics of the multi-omic response to endurance exercise training.                         | MoTrPAC Study Group<br>...1 more...<br>MoTrPAC Study Group                                 | 33.<br>58<br>7 | 18.<br>28<br>8 |                    |                   | Nature            | 2024          | Dec 28, 2025 |
| <a href="#">38701776</a>    | The mitochondrial multi-omic response to exercise training across rat tissues.                       | Amar, David<br>...28 more...<br>MoTrPAC Study Group  | 11.<br>91<br>5 | 11.<br>98<br>9 | 51                 | 51                | Cell metabolism   | 2024          | Dec 28, 2025 |
| <a href="#">32589957</a>  | Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to... | Sanford, James A<br>...14 more...<br>Molecular Transducers of Physical Activity Consortium | 11.<br>66<br>3 | 22.<br>61<br>2 | 216                | 43.<br>2          | Cell              | 2020          | Dec 28, 2025 |
| <a href="#">38693320</a>  | Sexual dimorphism and the multi-omic response to exercise training in rat subcutaneous white adip... | Many, Gina M<br>...25 more...<br>MoTrPAC Study Group                                       | 7.9<br>22      | 7.5<br>29      | 35                 | 35                | Nature metabolism | 2024          | Dec 28, 2025 |

|                          |  |  | Nair, Venugopalan | D                                    | 6.1<br>25 | 6.2<br>38 | 28         | 28 | Cell genomics  | 202<br>4 | Dec<br>28,<br>2025 |
|--------------------------|--|--|-------------------|--------------------------------------|-----------|-----------|------------|----|--|----------|--------------------|
| <a href="#">38697122</a> | Molecular adaptations in response to exercise training are associated with tissue-specific transcri... |  |                   | ...22 more...<br>MoTrPAC Study Group |           |           |            |    |  |          |                    |
| <a href="#">34587765</a> | Phenotypic Expression, Natural History, and Risk Stratification of Cardiomyopathy Caused by Filam...   | Gigli, Marta<br>...34 more...<br>Mestroni, Luisa       |                   | 5.6<br>73                            | 8.6<br>68 | 85        | 21.<br>25  |    | Circulation  | 202<br>1 | Dec<br>28,<br>2025 |
| <a href="#">38984994</a> | Physiological Adaptations to Progressive Endurance Exercise Training in Adult and Aged Rats: Insi...   | Schenk, Simon<br>...16 more...<br>MoTrPAC Study Group  |                   | 5.5<br>95                            | 0.8<br>77 | 21        | 21         |    | Function (Oxford, England)                           | 202<br>4 | Dec<br>28,<br>2025 |
| <a href="#">29601582</a> | Cardiovascular disease: The rise of the genetic risk score.  | Knowles, Joshua W<br>Ashley, Euan A                    |                   | 3.9<br>45                            | 4.2<br>79 | 114       | 16.<br>286 |    | PLoS medicine  | 201<br>8 | Dec<br>28,<br>2025 |
| <a href="#">38634503</a> | Molecular Transducers of Physical Activity Consortium (MoTrPAC): human studies design and protocol.    | MoTrPAC Study Group<br>...92 more...<br>Willis, Leslie |                   | 2.6<br>56                            | 1.0<br>78 | 8         | 8          |    | Journal of applied physiology (Bethesda, Md. : 1985) | 202<br>4 | Dec<br>28,<br>2025 |
| <a href="#">30062216</a> | Cardiovascular Precision Medicine in the Genomics Era.   | Dainis, Alexandra M<br>Ashley, Euan A                  |                   | 2.3<br>96                            | 2.4<br>96 | 64        | 9.1<br>43  |    | JACC. Basic to translational science                 | 201<br>8 | Dec<br>28,<br>2025 |

### Publications (cumulative)

Total: 14



## Notes

RCR [Relative Citation Ratio ↗](#)

SJR [Scimago Journal Rank ↗](#)

# </> Repositories

Software repositories associated with this project.

N  
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**Description**

|   | S | F | W | C |             | I | P | R  | L | C | O | n | o | L | C | a |
|---|---|---|---|---|-------------|---|---|----|---|---|---|---|---|---|---|---|
| T | t | o | a | o |             | s | R | e  | d | i | n | o | o | L | o | n |
| a | g | g | g | g | Last Commit | t | c | m  | A | a | c | i | o | t | g | u |
| m | s | s | r | k | a           | h | m | it | v | d | b | f | n | r | a | i |

Built on Jan 6, 2026

Developed with support from NIH Award [U54 OD036472](#)

No data

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## Notes

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.

Issue/PR Avg Average time issues/pull requests stay open for before being closed.

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

Website metrics 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.