

Resource Summary Report

Generated by [kravitz2](#) on Sep 5, 2026

VIVO

RRID:SCR_005246

Type: Tool

Proper Citation

VIVO (RRID:SCR_005246)

Resource Information

URL: <http://vivoweb.org/>

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Description: Open source semantic web application that enables the discovery of research and scholarship across disciplines at a particular institution and across institutions by creating a semantic cloud of information that can be searched and browsed. Participants include institutions with local installations of VIVO or those with research discovery and profiling applications that can provide semantic web-compliant data. The information accessible through the national network's search and browse capability will therefore reside and be controlled locally within institutional VIVO or other semantic web applications. The VIVO ontology provides a set of types (classes) and relationships (properties) to represent researchers and the full context of their experience, outputs, interests, accomplishments, and associated institutions.

<https://wiki.duraspace.org/display/VIVO/VIVO-ISF+Ontology> VIVO is populated with detailed profiles of faculty and researchers including information such as publications, teaching, service, and professional affiliations. It also supports browsing and a search function which returns faceted results for rapid retrieval of desired information. The rich semantically structured data in VIVO support and facilitate research discovery. Examples of applications that consume these rich data include: visualizations, enhanced multi-site search through VIVO Search, and applications such as VIVO Searchlight, a browser bookmarklet which uses text content of any webpage to search for relevant VIVO profiles, and the Inter-Institutional Collaboration Explorer, an application which allows visualization of collaborative institutional partners, among others. Institutions are free to participate in the national network by installing and using the application. The application provides linked data via RDF data making users a part of the semantic web! or any other application that provides linked data can be used. Users can also get involved with developing applications that provide enhanced search, new collaboration capabilities, grouping, finding and mapping scientists and their work.

Abbreviations: VIVO

Synonyms: VIVO - enabling national networking of scientists

Resource Type: community building portal, controlled vocabulary, data or information resource, ontology, portal, service resource, software application, software resource

Keywords: data sharing, network, semantic web, linked data, rdf, owl, database, people resource

Funding: NCRR U24 RR029822

Availability: Open unspecified license

Resource Name: VIVO

Resource ID: SCR_005246

Alternate IDs: nlx_144266

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260903T234750+0000

Ratings and Alerts

No rating or validation information has been found for VIVO.

No alerts have been found for VIVO.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 51 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Canudo-Barreras G, et al. (2026) ViVo: A Temporal Modeling Framework That Boosts Statistical Power and Minimizes Animal Usage. Journal of medicinal chemistry, 69(2), 1724.

Heitzer M, et al. (2025) Hemostasis and Gingival Healing-Polyurethane Adhesive Postextraction Under Rivaroxaban Therapy in a Rodent Model. International journal of dentistry, 2025, 3384210.

Ebrahimibasabi S, et al. (2025) Designing parylene coating for implantable brain-machine interfaces. RSC advances, 15(33), 26660.

Asrani K, et al. (2025) SFPQ-TFE3 reciprocally regulates mTORC1 and induces lineage plasticity in a mouse model of renal tumorigenesis. Nature communications, 16(1), 8822.

Zhu W, et al. (2025) Research on the influence of the visual perception characteristics of fitness trail landscape space based on psychological perception: a case study of Hunnan District, Shenyang, China. *Frontiers in psychology*, 16, 1595451.

Barra RHD, et al. (2025) Effect of coenzyme Q10 on tibial fracture resistance in nicotine-exposed rats. *PloS one*, 20(1), e0315462.

Tan R, et al. (2025) The develop of persistent luminescence nanoparticles with excellent performances in cancer targeted bioimaging and killing: a review. *Journal of nanobiotechnology*, 23(1), 299.

Zayed HM, et al. (2024) Gingival-derived mesenchymal stem cell therapy regenerated the radiated salivary glands: functional and histological evidence in murine model. *Stem cell research & therapy*, 15(1), 46.

Kappelides P, et al. (2024) Barriers and enablers of women carers from culturally and linguistically diverse communities participating in physical activities. *Frontiers in sports and active living*, 6, 1444025.

Beel W, et al. (2024) Effect of a Partial Superficial and Deep Medial Collateral Ligament Injury on Knee Joint Laxity. *The American journal of sports medicine*, 52(8), 1952.

Goldblatt D, et al. (2024) Motor neurons are dispensable for the assembly of a sensorimotor circuit for gaze stabilization. *bioRxiv : the preprint server for biology*.

Zuo B, et al. (2024) Endothelial Slc35a1 Deficiency Causes Loss of LSEC Identity and Exacerbates Neonatal Lipid Deposition in the Liver in Mice. *Cellular and molecular gastroenterology and hepatology*, 17(6), 1039.

Tuo H, et al. (2024) Shikonin alleviates doxorubicin-induced cardiotoxicity via Mst1/Nrf2 pathway in mice. *Scientific reports*, 14(1), 924.

Friese S, et al. (2024) Long-term suboptimal dietary trace element supply does not affect trace element homeostasis in murine cerebellum. *Metallomics : integrated biometal science*, 16(2).

Ying S, et al. (2023) tRF-Gln-CTG-026 ameliorates liver injury by alleviating global protein synthesis. *Signal transduction and targeted therapy*, 8(1), 144.

Morishita Y, et al. (2023) Generation of myocyte agonal Ca²⁺ waves and contraction bands in perfused rat hearts following irreversible membrane permeabilisation. *Scientific reports*, 13(1), 803.

Heitzer M, et al. (2023) Evaluation of the Hemostatic Effect of an Innovative Tissue Adhesive during Extraction Therapy under Rivaroxaban in a Rodent Model. *Journal of functional biomaterials*, 14(7).

Mason AJ, et al. (2023) Sympathetic neurons secrete retrogradely transported TrkA on extracellular vesicles. *Scientific reports*, 13(1), 3657.

Huang Y, et al. (2023) Nrf2 inhibition increases sensitivity to chemotherapy of colorectal cancer by promoting ferroptosis and pyroptosis. *Scientific reports*, 13(1), 14359.

Naish C, et al. (2023) An exploration of parent perceptions of a take-home loose parts play kit intervention during the COVID-19 pandemic. PloS one, 18(10), e0292720.