# Resource Summary Report

Generated by dkNET on Apr 16, 2025

## NIFSTD

RRID:SCR_005414
Type: Tool

### Proper Citation

NIFSTD (RRID:SCR_005414)

### Resource Information

**URL:** https://github.com/SciCrunch/NIF-Ontology

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**Description:** The NIF Standard Ontology (NIFSTD) is a collection of modular ontologies that provides an extensive set of terms and concepts important for the domains of neuroscience and biology, as well as the data and resources relevant for the life sciences. It is a core component of the Neuroscience Information Framework (NIF) project, a semantically enhanced portal for accessing and integrating neuroscience data, tools and information.

**Abbreviations:** NIFSTD

**Synonyms:** Neuroscience Information Framework Standard Ontology, NIF Ontology, NIF Standard, NIF-Ontology, Neuroscience Information Framework (NIF) Standard Ontology, NIF Standard Ontology, NIFSTD Ontology, NIF Ontologies

**Resource Type:** ontology, controlled vocabulary, data or information resource

**Defining Citation:** PMID:18975148, PMID:22737162

**Keywords:** behavioral activity, behavioral paradigm, brain region, cell, neuron, disease, molecule, nervous system function, subcellular part, resource type, quality, brain, neuroscience, biological process, cellular anatomy, anatomy, subcellular, subcellular anatomy, organism, neurological disorder, neurologic disease, dysfunction, owl

**Funding:**

**Resource Name:** NIFSTD

**Resource ID:** SCR_005414

**Alternate IDs:** nlx_144512

**Alternate URLs:** http://bioportal.bioontology.org/ontologies/NIFSTD

**Old URLs:** https://confluence.crbs.ucsd.edu/display/NIF/Ontologies+and+Vocabularies

**Record Creation Time:** 20220129T080230+0000

**Record Last Update:** 20250416T063410+0000

## Ratings and Alerts

No rating or validation information has been found for NIFSTD.

No alerts have been found for NIFSTD.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 15 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET.

Kleven H, et al. (2023) AtOM, an ontology model to standardize use of brain atlases in tools, workflows, and data infrastructures. Scientific data, 10(1), 486.

Gillespie TH, et al. (2022) The Neuron Phenotype Ontology: A FAIR Approach to Proposing and Classifying Neuronal Types. Neuroinformatics, 20(3), 793.

Surles-Zeigler MC, et al. (2022) Extending and using anatomical vocabularies in the stimulating peripheral activity to relieve conditions project. Frontiers in neuroinformatics, 16, 819198.

Oh J, et al. (2019) Construction And Analysis Of The Time-Evolving Pain-Related Brain Network Using Literature Mining. Journal of pain research, 12, 2891.

Kennedy DN, et al. (2019) Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. Frontiers in neuroinformatics, 13, 1.

Veeraraghavan H, et al. (2014) Faceted visualization of three dimensional neuroanatomy by combining ontology with faceted search. Neuroinformatics, 12(2), 245.

Hastings J, et al. (2014) Interdisciplinary perspectives on the development, integration, and application of cognitive ontologies. Frontiers in neuroinformatics, 8, 62.

Larson SD, et al. (2013) NeuroLex.org: an online framework for neuroscience knowledge. Frontiers in neuroinformatics, 7, 18.

Vasilevsky NA, et al. (2013) On the reproducibility of science: unique identification of research resources in the biomedical literature. PeerJ, 1, e148.

Roncaglia P, et al. (2013) The Gene Ontology (GO) Cellular Component Ontology: integration with SAO (Subcellular Anatomy Ontology) and other recent developments. Journal of biomedical semantics, 4(1), 20.

Bowden DM, et al. (2012) NeuroNames: an ontology for the BrainInfo portal to neuroscience on the web. Neuroinformatics, 10(1), 97.

Schriml LM, et al. (2012) Disease Ontology: a backbone for disease semantic integration. Nucleic acids research, 40(Database issue), D940.

Laird AR, et al. (2009) ALE Meta-Analysis Workflows Via the Brainmap Database: Progress Towards A Probabilistic Functional Brain Atlas. Frontiers in neuroinformatics, 3, 23.

De Schutter E, et al. (2009) The International Neuroinformatics Coordinating Facility: evaluating the first years. Neuroinformatics, 7(3), 161.

Gupta A, et al. (2008) Federated access to heterogeneous information resources in the Neuroscience Information Framework (NIF). Neuroinformatics, 6(3), 205.