

NIF provides a range of services for accessing data and resources. Most of these services are provided via a Representational State Transfer (REST) or REST-like interface. NIF supports an open access policy to ensure that the community can gain access to NIF resources.

We are constantly adding new resources and information that is accessible through NIF. See below for a list of current services that are also listed on the NIF developers page at <http://www.neuinfo.org/developers>. We want to increase NIF services via community feedback. If you have a comment regarding available services or data, please let us know via the NIF forum (<http://forums.neuinfo.org>) or contact us (info@neuinfo.org).

Ontology: Provides access to the NIF vocabularies with the capabilities to query for concepts and relationships.

Data Federation Query Services: Allows access to the NIF database index where developers can search for records in the neuroscience data federation (indexed by NIF) that match a keyword or concept using a programmatic interface.

NIF Resource Catalog Services: Provides developers access to the metadata from the NIF Registry of curated neuroscience resources using a programmatic interface.

RDF Data: NIF is also working on making an RDF (Resource Description Framework) version of the data in NIF's indices available. RDF is a World Wide Web Consortium's standard for encoding, exchange, and reuse of structured metadata.

FIN and NIF Cards: Enhance your application or website by providing dynamic links from neuroscience specific content to NIF's collection of information and resources.

DISCO: DISCO is an information integration approach designed to facilitate increased interoperation among Internet resources. DISCO supports interoperation capabilities involving several types of information (i.e. resource descriptions, terminologies, data interoperation, news). Integration of each of these services is accomplished using service-specific DISCO descriptions provided by each resource and linked from a main "disco.xml" file of the resource. Inside this file is a list of links to other files or scripts that contain specific information to update NIF resource information.

NIF Products are openly available to the research and academic community. For non-academic uses, please contact us for licensing details.

Get Access to NIF

NIF is dedicated to providing open access to data and tools for the community. For web users, there is a web portal for searching neuroscience resources and information using a simple yet very powerful concept-based search interface. For developers, we have published data access services and tools using open standards and application programming interfaces that can be used to access and use NIF data resources.

NIF provides such access to NIF's catalog of neuroscience data resources, web pages, curated resources, and the Neurolex ontology.

Innovation Through Integration

