Resource Summary Report

Generated by NIF on May 14, 2025

Brain Architecture Management System

RRID:SCR_007251
Type: Tool

Proper Citation

Brain Architecture Management System (RRID:SCR_007251)

Resource Information

URL: https://bams1.org/

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Description: Knowledge management system designed to handle neurobiological information at different levels of organization of vertebrate nervous system. Database and repository for information about neural circuitry, storing and analyzing data concerned with nomenclature, taxonomy, axonal connections, and neuronal cell types. Handles data and metadata collated from original literature, or inserted by scientists that is associated to four levels of organization of vertebrate nervous system. Data about expressed molecules, neuron types and classes, brain regions, and networks of brain regions.

Abbreviations: BAMS

Synonyms: Brain Architecture Management System, The Brain Architecture Management System

Resource Type: data repository, storage service resource, controlled vocabulary, data or information resource, ontology, service resource, database

Keywords: neurobiology, vertebrate, nervous, system, database, repository, neural, circuitry, analysis, data, nomenclature, taxonomy, axonal, connection, cell,

Funding: NIBIB ;
Human Brain Project ;
NIMH MH61223;
NINDS NS16686;
NINDS NS50792

Availability: Restricted

Resource Name: Brain Architecture Management System

Resource ID: SCR_007251

Alternate IDs: nif-0000-00018

Old URLs: http://brancusi.usc.edu/bkms/

Record Creation Time: 20220129T080240+0000

Record Last Update: 20250513T060906+0000

Ratings and Alerts

No rating or validation information has been found for Brain Architecture Management System.

No alerts have been found for Brain Architecture Management System.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Rusche T, et al. (2021) Nucleus accumbens projections: Validity and reliability of fiber reconstructions based on high-resolution diffusion-weighted MRI. Human brain mapping, 42(18), 5888.

Bjerke IE, et al. (2020) Database of literature derived cellular measurements from the murine basal ganglia. Scientific data, 7(1), 211.

Kim DJ, et al. (2020) Rich-club in the brain's macrostructure: Insights from graph theoretical analysis. Computational and structural biotechnology journal, 18, 1761.

Bota M, et al. (2014) BAMS2 workspace: a comprehensive and versatile neuroinformatic platform for collating and processing neuroanatomical connections. The Journal of comparative neurology, 522(14), 3160.

Wolf L, et al. (2011) Gene expression in the rodent brain is associated with its regional

connectivity. PLoS computational biology, 7(5), e1002040.

Bohland JW, et al. (2009) A proposal for a coordinated effort for the determination of brainwide neuroanatomical connectivity in model organisms at a mesoscopic scale. PLoS computational biology, 5(3), e1000334.