Brede Database

RRID:SCR_003327
Type: Tool

Proper Citation

Brede Database (RRID:SCR_003327)

Resource Information

URL: http://hendrix.imm.dtu.dk/services/jerne/brede/

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on August 4th, 2023. A database of human data from functional neuroimaging scientific articles containing Talairach coordinates that provides data for novel information retrieval techniques and automated meta-analyses. Each article in this database is identified by a unique number: A WOBIB. Some of the structure of the Brede database is similar to the structure of the BrainMap database (Research Imaging Center, San Antonio). The database is inspired by the hierarchical structure of BrainMap with scientific articles (bib structures) on the highest level containing one or more experiments (exp structure, corresponding to a contrast in general linear model analyses), these in turn comprising one or more locations (loc structures). The information on the bib level (author, title, ...) is setup automatically from PubMed while the rest of the information is entered manually in a Matlab graphical user interface. On the loc level this includes the 3D stereotactic coordinates in either Talairach or MNI space, the brain area (functional, anatomical or cytoarchitectonic area) and magnitude values such as Z-score and P-value. On the exp level information such as modality, scanner and behavioral domain are recorded with external components (such as face recognition or kinetic boundaries) organized in a directed graph and marked up with Medical Subject Headings (MeSH) where possible. The database is distributed as part of the Brede neuroinformatics toolbox (hendrix.imm.dtu.dk/software/brede/) which also provides the functions to manipulate and analyze the data. The Brede Toolbox is a program package primarily written in Matlab. As of 2006/11, 186 papers with 586 experiments.

Abbreviations: Brede

Resource Type: data or information resource, database

Defining Citation: PMID:19668704, PMID:23666785

Keywords: neuroinformatics, functional neuroimaging, talairach, mni, brain, fmri, neuroimaging, matlab, pet, positron emission tomography, functional magnetic resonance imaging, multichannel electroencephalography, eeg, magnetoencephalography, near infrared spectroscopic imaging, single photon emission computed tomography, mri, coordinate, brain function, brain region, ontology

Funding: European Union ;
Project MAPAWAMO QLG3-CT-2000-300161

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Brede Database

Resource ID: SCR_003327

Alternate IDs: nif-0000-00064

Record Creation Time: 20220129T080218+0000

Record Last Update: 20250422T055113+0000

Ratings and Alerts

No rating or validation information has been found for Brede Database.

No alerts have been found for Brede Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.