

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

BrainBrowser

RRID:SCR_009535

Type: Tool

Proper Citation

BrainBrowser (RRID:SCR_009535)

Resource Information

URL: <http://brainbrowser.cbrain.mcgill.ca>

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Description: A web-enabled brain surface viewer that allows the user to explore in real time a 3D brain map expressed on a base surface. BrainBrowser has two modes of operation, exploring either a pre-calculated database of structural correlation maps or working with user-defined data. In this mode, the user may choose to explore the correlation structure for cortical thickness, cortical area or cortical volume, or any other pre-calculated metric. In the second mode, the user is prompted for the local filenames of the statistical map and the base surface. BrainBrowser can also be used to manipulate 3D fibre pathways derived from DTI, using the same simple file format (.obj) as for surface data. BrainBrowser on Youtube: <http://www.youtube.com/watch?v=HIRTUYUf1Ew> NOTE: BrainBrowser requires a WebGL-enabled browser such as Google Chrome to support its 3D graphics capability.

Abbreviations: BrainBrowser

Resource Type: data or information resource, production service resource, data set, data analysis service, analysis service resource, service resource

Keywords: image display, javascript, minc2, magnetic resonance, nifti, os independent, rendering, ruby, surface rendering, three dimensional display, two dimensional display, visualization, volume rendering, 3d visualization, neuroimaging, fmri, web application, web resource, data visualization service

Availability: Free

Resource Name: BrainBrowser

Resource ID: SCR_009535

Alternate IDs: nlx_155710

Alternate URLs: <http://www.nitrc.org/projects/brainbrowser>

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260808T185925+0000

Ratings and Alerts

No rating or validation information has been found for BrainBrowser.

No alerts have been found for BrainBrowser.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Xiong Y, et al. (2024) Cortical mapping of callosal connections in healthy young adults. Human brain mapping, 45(3), e26629.

Halle M, et al. (2017) The Open Anatomy Browser: A Collaborative Web-Based Viewer for Interoperable Anatomy Atlases. Frontiers in neuroinformatics, 11, 22.

Das S, et al. (2016) Cyberinfrastructure for Open Science at the Montreal Neurological Institute. Frontiers in neuroinformatics, 10, 53.