

Resource Summary Report

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CoCoMac-Paxinos3D viewer

RRID:SCR_009548

Type: Tool

Proper Citation

CoCoMac-Paxinos3D viewer (RRID:SCR_009548)

Resource Information

URL: <http://cocomac.org/WWW/paxinos3D/index.html>

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Description: An interactive interface of macaque stereotaxic atlas with a connectivity database, allowing integrated data analysis and mapping between 3D structures with database vocabularies. These Java-based tools are capable of reading stacks of polygons described in svg vector format and arrange them in 3D space so that the corresponding structures can be viewed and manipulated individually. An additional excel (currently v. 1997-2003) file maintains the structure abbreviations and their mapping to the terminology of databases that provide supplementary information. Here in particular we have manually drawn the cortical, striatal, thalamic and amygdaloid structures of the 151 frontal sections from the Rhesus Monkey Brain in Stereotactic Coordinates authored by Paxinos and colleagues in 1999. After loading the excel file and a set of the svg files, the view can be rotated, zoomed and individual brain structures be selected for identification and simple geometric measures. A stereotaxic grid is a display option. The abbreviations of the brain structures are mapped to entities recorded in the CoCoMac database of primate brain connectivity. Thereby one can retrieve mapping and connectivity information for the selected structure as text or connecting arrows.

Abbreviations: CoCoMac-Paxinos3D viewer

Resource Type: data visualization software, software application, data processing software, software resource

Defining Citation: [PMID:19145492](#)

Keywords: magnetic resonance, java, mapping, connectivity

Availability: GNU General Public License

Resource Name: CoCoMac-Paxinos3D viewer

Resource ID: SCR_009548

Alternate IDs: nlx_155728

Alternate URLs: <http://www.nitrc.org/projects/cp3d>

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260801T190343+0000

Ratings and Alerts

No rating or validation information has been found for CoCoMac-Paxinos3D viewer.

No alerts have been found for CoCoMac-Paxinos3D viewer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.