

3d Brain Atlas Reconstructor on-line service

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Available services

getCafInfo

Returns the index file of selected CAF dataset. Index file contains list of structures available for reconstruction, their hierarchy and list of slides within given dataset.

Examples

- http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51
- http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51;listSlides=False;listStructures=False

getReconstruction

Returns a model of a given structure from selected dataset as a zip file containing the reconstruction and short description.

Examples

- http://service.3dbar.org/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus
- http://service.3dbar.org/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus;qualityPreset=high

getPreview

Displays window allowing to manipulate (rotate, zoom, etc.) lightweight version of the reconstruction. Note that the web browser has to support WebGL in order to use this feature.

Examples

- http://service.3dbar.org/getPreview?cafDatasetName=whs_0.51&structureName=CNS
- http://service.3dbar.org/getPreview?cafDatasetName=whs_0.5&structureName=Hc
- http://service.3dbar.org/getPreview?cafDatasetName=sba_DB08&structureName=FBr

getThumbnail

Returns a thumbnail of the reconstruction of a given structure available via getReconstruction in png format.

Examples

- http://service.3dbar.org/getThumbnail?cafDatasetName=whs_0.51;structureName=corpus-callosum
- http://service.3dbar.org/getThumbnail?cafDatasetName=whs_0.51;structureName=thalamus

- http://service.3dbar.org/getThumbnail?cafDatasetName=whs_0.51;structureName=CNS
- http://service.3dbar.org/getThumbnail?cafDatasetName=sba_DB08;structureName=FL
- http://service.3dbar.org/getThumbnail?cafDatasetName=sba_DB08;structureName=LV
- http://service.3dbar.org/getThumbnail?cafDatasetName=sba_PHT00;structureName=Brain

getCafSlide

Returns a SVG image with CAF slide filtered by provided settings.

Examples

- http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460
- http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460;showMask=True;showLabels=False
- http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460;showLabels=False
- http://service.3dbar.org/getCafSlide?cafDatasetName=sba_DB08;slideNumber=84;structureList=Cx
- http://service.3dbar.org/getCafSlide?cafDatasetName=sba_DB08;slideNumber=84;structureList=Cx.Th

Available datasets

The Waxholm Space mouse atlas, 2010 delineation (whs_0.51)

http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51

The Waxholm Space mouse atlas, 2009 delineation (whs_0.5)

http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.5

sba_DB08

http://service.3dbar.org/getCafInfo?cafDatasetName=sba_DB08

sba_PHT00

http://service.3dbar.org/getCafInfo?cafDatasetName=sba_PHT00

sba_WHS09

http://service.3dbar.org/getCafInfo?cafDatasetName=sba_WHS09

sba_WHS10

http://service.3dbar.org/getCafInfo?cafDatasetName=sba_WHS10