

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.

syntax

```
getCafInfo?cafDatasetName=<name>  
    [;listStructures=(True|False)]  
    [;listHierarchy=(True|False)]  
    [;listSlides=(True|False)]
```

Examples

- http://212.87.16.231:8080/getCafInfo?cafDatasetName=whs_0.51
- http://212.87.16.231:8080/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.

syntax

```
getReconstruction?cafDatasetName=<dataset name>  
    ;structureName=<structure name>  
    [;qualityPreset=(low|medium|high)]  
    [;outputFormat=(vrml|x3d)]
```

Examples

- http://212.87.16.231:8080/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus
- http://212.87.16.231:8080/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus;qualityPreset=high

getThumbnail

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

syntax

```
getThumbnail?cafDatasetName=<dataset name>  
    ;structureName=<structure name>
```

Examples

- http://212.87.16.231:8080/getThumbnail?cafDatasetName=whs_0.51;structureName=thalamus

getCafSlide

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

syntax

```
getCafSlide?cafDatasetName=<dataset name>  
    ;slideNumber=<slide number>  
    [;structureList=[<structure #1>[,<structure #2>[...]]]  
    [;showLabels=(True|False)]  
    [;showMask=(True|False)]
```

Examples

- http://212.87.16.231:8080/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460
- http://212.87.16.231:8080/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460;showMask=True;showLabels=True
- http://212.87.16.231:8080/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460;showLabels=False