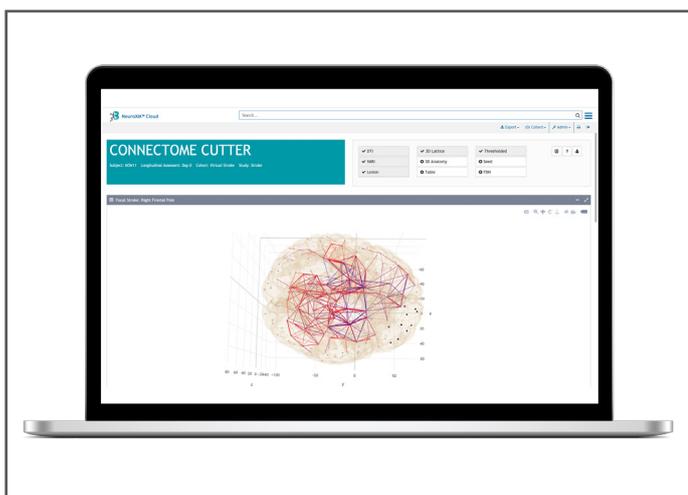


The Connectome Cutter

The NeuroXM™ Connectome Cutter allows you to define and analyze brain lesions in grey and white matter of the individual subject caused by brain damage or neurodegeneration. This way their impact for the integrity of the entire brain network can be predicted.

- > Predictor of local and remote effects of grey and white matter loss based on structural and functional connectivity in the NeuroXM™ Connectome Browser
- > Combination of multiple white and grey matter lesions to represent progressive neurodegeneration.



Focal Stroke

Required Input

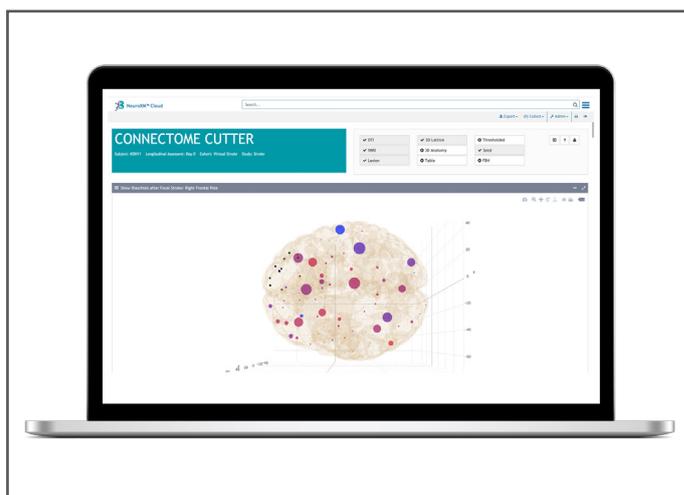
- > Single subject structural connectome from the Connectome Browser
- > Single subject functional connectome from the Connectome Browser

Generated Output

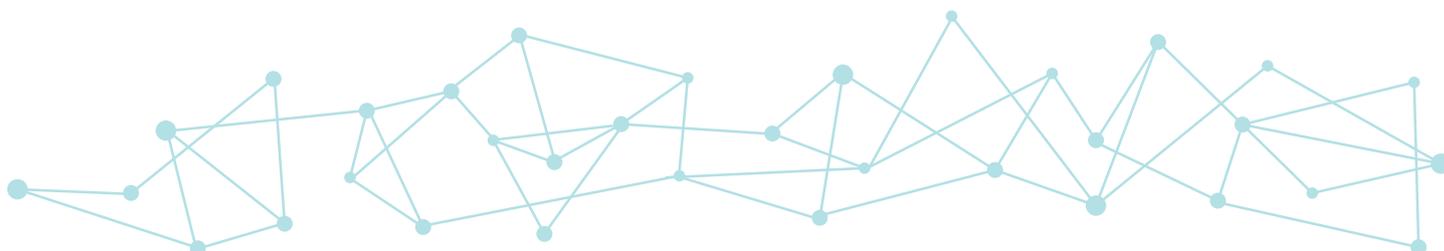
- > A structural or functional connectome to be used in Connectome Browser, Connectome Analyzer, Connectome Editor or Connectome Simulator

Integrated Components

- > Editor to mark lesions in patient datasets
- > Automated labeling of lesions especially after tumor resections from comparing pre- and post-intervention connectome datasets in the Connectome Browser
- > Creation of virtual grey and white matter lesions in healthy subjects, e.g., from public databases in the Connectome Browser
- > Virtual repair of brain lesions in patient datasets by transferring corresponding contralateral connections to lesion site to create a virtual pre-lesion status.



Diaschisis after focal stroke



The NeuroXM™ Cloud

The NeuroXM™ Cloud, consisting of the Connectome and the Transcriptome Clouds, is a novel and unique solution for everyone working with brain data. With it, dealing with multimodal brain data becomes easy and straightforward; it reveals new insights into the brain as never before.

The NeuroXM™ Cloud provides our customers with various software modules for building up, browsing, comparing, analyzing and editing large data volumes.

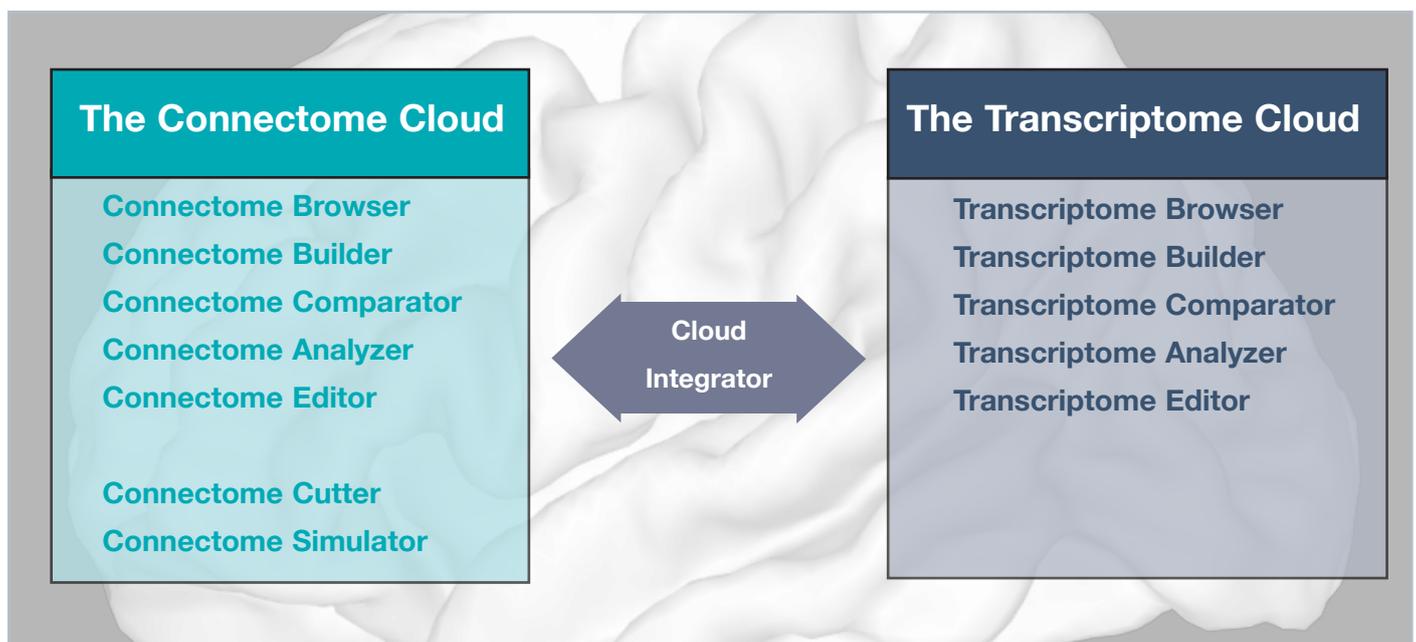
Via the NeuroXM™ Cloud Integrator data from both clouds can be exchanged and combined.

The basis modules for the NeuroXM™ Connectome and Transcriptome Clouds are the Connectome Browser and the Transcriptome Browser.

These basis modules can be licensed alone or in combination with any other software module of the respective cloud.

The Cloud Integrator can only be licensed with the basis modules of both clouds together.

Get in touch with Biomax to receive your individual offer for an attractive bundle including one or two basis modules and additional components.



The NeuroXM™ Cloud from Biomax



Biomax Informatics AG
Robert-Koch-Str. 2
82152 Planegg, Germany
info@biomax.com

Call:
+49 89 895574-0 (DE)
+44 7832 965 326 (UK)
+ 1 608 636 2222 (US)

www.biomax.com