## **Resource Summary Report**

Generated by <u>NIF</u> on May 20, 2025

# **GTRACT**

RRID:SCR\_009651 Type: Tool

**Proper Citation** 

GTRACT (RRID:SCR\_009651)

## **Resource Information**

URL: http://www.nitrc.org/projects/vmagnotta/

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**Description:** A Diffusion Tensor fiber tracking software suite that includes streamline tracking tools. The fiber tracking includes a guided tracking tool that integrates apriori information into a streamlines algorithm. This suite of programs is built using the NA-MIC toolkit and uses the Slicer3 execution model framework to define the command line arguments. These tools can be fully integrated with Slicer3 using the module discovery capabilities of Slicer3. NOTE: All new development is being managed in a github repository. Please visit, https://github.com/BRAINSia/BRAINSTools

Abbreviations: GTRACT

Synonyms: Guided Tensor Restore Anatomical Connectivity Tractography

**Resource Type:** software application, software toolkit, image processing software, data processing software, image analysis software, software resource

#### Defining Citation: PMID:16631385

**Keywords:** c++, dicom, macos, microsoft, modeling, morphology, magnetic resonance, nifti, posix/unix-like, quantification, tensor metric, tractography, windows, dti, diffusion tensor fiber tracking, fiber tracking, nrrd, algorithm, connectivity

Related Condition: Aging

**Funding:** NARSAD ; NINDS R01NS050568-01A2S1; NINDS 5R01NS040068-04; NIMH 5R01MH063405-04; NIMH 5R01MH031593-23; NIMH 2R01MH040856-17A2; NIA 5K23AG020649-03; NIDCR 5R01DE014399-04

Availability: BSD License

Resource Name: GTRACT

Resource ID: SCR\_009651

Alternate IDs: nlx\_155992

Record Creation Time: 20220129T080254+0000

Record Last Update: 20250519T203602+0000

## **Ratings and Alerts**

No rating or validation information has been found for GTRACT.

No alerts have been found for GTRACT.

### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Bijanki KR, et al. (2015) Depressive symptoms related to low fractional anisotropy of white matter underlying the right ventral anterior cingulate in older adults with atherosclerotic vascular disease. Frontiers in human neuroscience, 9, 408.

Matsui JT, et al. (2014) Diffusion weighted imaging of prefrontal cortex in prodromal Huntington's disease. Human brain mapping, 35(4), 1562.