

# Resource Summary Report

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## Nutil - Neuroimaging utilities

RRID:SCR\_017183

Type: Tool

### Proper Citation

Nutil - Neuroimaging utilities (RRID:SCR\_017183)

### Resource Information

**URL:** <http://www.nitrc.org/projects/nutil/>

**Proper Citation:** Nutil - Neuroimaging utilities (RRID:SCR\_017183)

**Description:** Software toolbox to simplify and streamline mechanism of pre and post processing 2D brain image data. Neuroscience image processing and analysis utilities. Stand alone application that runs on all operating systems.

**Abbreviations:** Nutil

**Synonyms:** Neuroimaging utilities

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

**Keywords:** neuroscience, 2D, brain, image, data, processing, analysis

**Funding:**

**Availability:** Free, Available for download, Freely available

**Resource Name:** Nutil - Neuroimaging utilities

**Resource ID:** SCR\_017183

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**Record Creation Time:** 20220129T080334+0000

**Record Last Update:** 20250422T060013+0000

## Ratings and Alerts

No rating or validation information has been found for Nutil - Neuroimaging utilities.

No alerts have been found for Nutil - Neuroimaging utilities.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 18 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#).

Goralski TM, et al. (2024) Spatial transcriptomics reveals molecular dysfunction associated with cortical Lewy pathology. *Nature communications*, 15(1), 2642.

Blixhavn CH, et al. (2024) The Locare workflow: representing neuroscience data locations as geometric objects in 3D brain atlases. *Frontiers in neuroinformatics*, 18, 1284107.

Vatsa N, et al. (2024) Network analysis of  $\alpha$ -synuclein pathology progression reveals p21-activated kinases as regulators of vulnerability. *bioRxiv : the preprint server for biology*.

Gurdon B, et al. (2024) Detecting the effect of genetic diversity on brain composition in an Alzheimer's disease mouse model. *Communications biology*, 7(1), 605.

Kleven H, et al. (2024) Comparison of basal ganglia regions across murine brain atlases using metadata models and the Waxholm Space. *Scientific data*, 11(1), 1036.

Øvsthus M, et al. (2024) Spatially integrated cortico-subcortical tracing data for analyses of rodent brain topographical organization. *Scientific data*, 11(1), 1214.

Lubben N, et al. (2024) LRRK2 kinase inhibition reverses G2019S mutation-dependent effects on tau pathology progression. *Translational neurodegeneration*, 13(1), 13.

Geertsma HM, et al. (2024) A topographical atlas of  $\alpha$ -synuclein dosage and cell type-specific expression in adult mouse brain and peripheral organs. *NPJ Parkinson's disease*, 10(1), 65.

Reiten I, et al. (2023) The efferent connections of the orbitofrontal, posterior parietal, and insular cortex of the rat brain. *Scientific data*, 10(1), 645.

Kleven H, et al. (2023) Waxholm Space atlas of the rat brain: a 3D atlas supporting data analysis and integration. *Nature methods*, 20(11), 1822.

Blixhavn CH, et al. (2023) A Timm-Nissl multiplane microscopic atlas of rat brain zincergic terminal fields and metal-containing glia. *Scientific data*, 10(1), 150.

Gurdon B, et al. (2023) Detecting the effect of genetic diversity on brain composition in an Alzheimer's disease mouse model. *bioRxiv : the preprint server for biology*.

Kleven H, et al. (2023) A neuroscientist's guide to using murine brain atlases for efficient analysis and transparent reporting. *Frontiers in neuroinformatics*, 17, 1154080.

Carey H, et al. (2023) DeepSlice: rapid fully automatic registration of mouse brain imaging to a volumetric atlas. *Nature communications*, 14(1), 5884.

Bjerke IE, et al. (2022) DOPAMAP, high-resolution images of dopamine 1 and 2 receptor expression in developing and adult mouse brains. *Scientific data*, 9(1), 175.

Yates SC, et al. (2019) QUINT: Workflow for Quantification and Spatial Analysis of Features in Histological Images From Rodent Brain. *Frontiers in neuroinformatics*, 13, 75.

Sim SB, et al. (2017) A New Diagnostic Resource for *Ceratitis capitata* Strain Identification Based on QTL Mapping. *G3 (Bethesda, Md.)*, 7(11), 3637.

Nicolazzi EL, et al. (2016) SNPConvert: SNP Array Standardization and Integration in Livestock Species. *Microarrays (Basel, Switzerland)*, 5(2).