

# Resource Summary Report

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## NeuroChaT

RRID:SCR\_018020

Type: Tool

### Proper Citation

NeuroChaT (RRID:SCR\_018020)

### Resource Information

**URL:** <https://github.com/shanemomara/omaraneurolab/tree/master/NeuroChaT>

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**Description:** Software open source python toolbox to analyse neuronal signals recorded in vivo in freely behaving animal, with particular emphasis on spatial coding. Can be used as application programming interface, or as general user interface, and is designed to help simplify adoption of standardised analyses for behavioural neurophysiology and facilitate open data sharing and collaboration between laboratories.

**Synonyms:** Neuron Characterisation Toolbox

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

**Defining Citation:** [DOI:12688/wellcomeopenres.15533.1](https://doi.org/10.12688/wellcomeopenres.15533.1)

**Keywords:** Neuronal signal, analysis, freely behaving animal, spatial coding, behavioural neurophysiology, data, bio.tools

**Funding:** Wellcome Trust

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

**Resource Name:** NeuroChaT

**Resource ID:** SCR\_018020

**Alternate IDs:** biotools:NeuroChat

**Alternate URLs:** <https://bio.tools/NeuroChaT>

**License:** GNU General Public License version 3

**Record Creation Time:** 20220129T080338+0000

**Record Last Update:** 20260919T195345+0000

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## Ratings and Alerts

No rating or validation information has been found for NeuroChaT.

No alerts have been found for NeuroChaT.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Rizzello E, et al. (2022) Place cells in the claustrum remap under NMDA receptor control. The European journal of neuroscience, 56(2), 3825.

Islam MN, et al. (2019) NeuroChaT: A toolbox to analyse the dynamics of neuronal encoding in freely-behaving rodents in vivo. Wellcome open research, 4, 196.