

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 9, 2026

[RatInABox](#)

RRID:SCR_023682

Type: Tool

Proper Citation

RatInABox (RRID:SCR_023682)

Resource Information

URL: <https://github.com/TomGeorge1234/RatInABox>

Proper Citation: RatInABox (RRID:SCR_023682)

Description: Software Python toolkit for modelling locomotion and neuronal activity in continuous environments. Used to model realistic rodent locomotion and generate synthetic electrophysiological data from spatially modulated cell types.

Resource Type: software resource, software toolkit

Defining Citation: [DOI:10.1101/2022.08.10.503541](https://doi.org/10.1101/2022.08.10.503541)

Keywords: OpenBehavior, modelling locomotion and neuronal activity, continuous environments, model realistic rodent locomotion, generate synthetic electrophysiological data, spatially modulated cell types,

Availability: Free, Available for download, Freely available

Resource Name: RatInABox

Resource ID: SCR_023682

Alternate URLs: <https://edspace.american.edu/openbehavior/project/ratinabox/>

Record Creation Time: 20230616T050221+0000

Record Last Update: 20260905T133315+0000

Ratings and Alerts

No rating or validation information has been found for RatInABox.

No alerts have been found for RatInABox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

George TM, et al. (2024) RatInABox, a toolkit for modelling locomotion and neuronal activity in continuous environments. eLife, 13.