

Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 2026

QuB

RRID:SCR_018076

Type: Tool

Proper Citation

QuB (RRID:SCR_018076)

Resource Information

URL: <http://www.milesculabs.org/QuB.html>

Proper Citation: QuB (RRID:SCR_018076)

Description: Integrated software platform for ion channel biophysics and neurophysiology. Used to explore dynamics of hidden states in memoryless system. Open source software suite for solving kinetic models, for report generation with publishable graphics, function fitting and scripting for new and repeated processing and AD/DA I/O. Can be applied to any data modeled with Markov kinetics., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16, 2025.

Abbreviations: QuB

Synonyms: Quantify unknown Biophysics

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

Keywords: Ion channel biophysics, neurophysiology data, hidden state, memoryless system, solving kinetic model, data, Markov kinetics, analysis

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: QuB

Resource ID: SCR_018076

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260729T044449+0000

Ratings and Alerts

No rating or validation information has been found for QuB.

No alerts have been found for QuB.

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 [nidm-terms](#) .

Yong XLH, et al. (2021) Regulation of NMDA receptor trafficking and gating by activity-dependent CaMKII?? phosphorylation of the GluN2A subunit. Cell reports, 36(1), 109338.

Navarro MA, et al. (2020) Sodium channels implement a molecular leaky integrator that detects action potentials and regulates neuronal firing. eLife, 9.