

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 16, 2026

[bioNerDS](#)

RRID:SCR_006784

Type: Tool

Proper Citation

bioNerDS (RRID:SCR_006784)

Resource Information

URL: <http://bionerds.sourceforge.net/>

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Description: A named entity recognizer for the recovery of bioinformatics databases and software from primary literature. The entity recognizer achieved an F-measure of between 63% and 91% on different datasets (63%78% at the document level). Results from full-text literature analysis for both Genome Biology and BMC Bioinformatics journals are available as well as a full list of references and links for the various major resources mentioned. Data generated data can be used for exploration of bioinformatics database and software usage. This tool makes heavy use of GATE (version 6.1). It can be run in sandbox mode, which means a installation of GATE is not a prerequisite, but you will instead need to point the config to a unzipped gate_plugins directory instead (located in the bin/BMC_Files directory).

Abbreviations: bioNerDS

Synonyms: Bioinformatics Named Entity Recognizer for Databases and Software, Bioinformatics Named Entity Recogniser for Databases and Software

Resource Type: data or information resource, data set, software application, software resource, source code, text-mining software

Defining Citation: [PMID:23768135](#)

Keywords: literature mining, bioinformatics, database, software, resource

Funding: BBSRC

Availability: Open-source license, Acknowledgement requested, Source code, Simplified BSD License, All included libraries retain their own respective licenses. Some source code from other projects has been used/adapted for inclusion in this project (e.g., LINNAEUS, JCommander, JOrtho, GATE and Snowball). Attribution for these remains with the original

respective authors, And is distributed in accordance with their own licenses.

Resource Name: bioNerDS

Resource ID: SCR_006784

Alternate IDs: nlx_152793

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260912T195645+0000

Ratings and Alerts

No rating or validation information has been found for bioNerDS.

No alerts have been found for bioNerDS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Wei Q, et al. (2020) Recognizing software names in biomedical literature using machine learning. Health informatics journal, 26(1), 21.

Duck G, et al. (2016) A Survey of Bioinformatics Database and Software Usage through Mining the Literature. PloS one, 11(6), e0157989.

Duck G, et al. (2013) bioNerDS: exploring bioinformatics' database and software use through literature mining. BMC bioinformatics, 14, 194.