

Resource Summary Report

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BioBERT

RRID:SCR_017547

Type: Tool

Proper Citation

BioBERT (RRID:SCR_017547)

Resource Information

URL: <https://github.com/dmis-lab/biobert>

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Description: Pre-trained biomedical language representation model for biomedical text mining. This repository provides fine-tuning codes of BioBERT, language representation model for biomedical domain, especially designed for biomedical text mining tasks such as biomedical named entity recognition, relation extraction, question answering, etc.

Synonyms: Bidirectional Encoder Representations from Transformers for Biomedical Text Mining

Resource Type: software application, software resource

Defining Citation: [DOI:10.1093/bioinformatics/btz682](https://doi.org/10.1093/bioinformatics/btz682)

Keywords: Pretrained, biomedical, language, representation, model, text, mining, bio.tools

Funding: National Research Foundation of Korea

Availability: Free, Available for download, Freely available

Resource Name: BioBERT

Resource ID: SCR_017547

Alternate IDs: biotools:biobERT

Alternate URLs: <https://github.com/naver/biobert-pretrained>, <https://bio.tools/BioBERT>

License: Apache License

Record Creation Time: 20220129T080335+0000

Ratings and Alerts

No rating or validation information has been found for BioBERT.

No alerts have been found for BioBERT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 56 mentions in open access literature.

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

Liu X, et al. (2026) Maternal and Pediatric Precision in Therapeutic Knowledge Portal (MPRINT-KP): Landscape Analysis of Pharmacology Research in Maternal and Pediatric Patient Populations. *Pharmacotherapy*, 46(3), e70096.

Alhassan A, et al. (2026) Recognition and linking of discontinuous named entities in healthcare: a comparative performance analysis. *Frontiers in digital health*, 8, 1758921.

Yang L, et al. (2026) Multimodal Collaborative Modeling of Molecular Structures and Biomedical Text for Accurate Drug-Drug Interaction Extraction. *Biomedicines*, 14(6).

Alhabiti S, et al. (2025) Predicting Behavioral Determinants of Health from Clinical Text Using Transformer Models and BiLSTM. *medRxiv : the preprint server for health sciences*.

Xu Y, et al. (2025) A multimodal knowledge-enhanced whole-slide pathology foundation model. *Nature communications*, 16(1), 11406.

Hier DB, et al. (2025) A simplified retriever to improve accuracy of phenotype normalizations by large language models. *Frontiers in digital health*, 7, 1495040.

Saadh MJ, et al. (2025) Advanced machine learning framework for enhancing breast cancer diagnostics through transcriptomic profiling. *Discover oncology*, 16(1), 334.

Raciti D, et al. (2025) Characterization and automated classification of sentences in the biomedical literature: a case study for biocuration of gene expression and protein kinase activity. *Database : the journal of biological databases and curation*, 2025.

Theodoropoulos C, et al. (2025) Reduction of supervision for biomedical knowledge discovery. *BMC bioinformatics*, 26(1), 225.

Zhang S, et al. (2025) SCATrans: semantic cross-attention transformer for drug-drug interaction predication through multimodal biomedical data. *BMC bioinformatics*, 26(1), 157.

Schoenmaker L, et al. (2025) Toward Assay-Aware Bioactivity Model(er)s: Getting a Grip on Biological Context. *Journal of chemical information and modeling*, 65(13), 7013.

Jimenez-Maggiora GA, et al. (2025) Artificial intelligence-enabled safety monitoring in Alzheimer's disease clinical trials. *The journal of prevention of Alzheimer's disease*, 12(1), 100002.

Ghelfi A, et al. (2025) Hayai-Annotation: A functional gene prediction tool that integrates orthologs and gene ontology for network analysis in plant species. *Computational and structural biotechnology journal*, 27, 117.

Happi Happi BG, et al. (2025) GRU-SCANET: unleashing the power of GRU-based sinusoidal capture network for precision-driven named entity recognition. *Bioinformatics advances*, 5(1), vba096.

Rodin D, et al. (2025) Medical Cannabis Library: development of a curated database for research articles on cannabis therapeutic activity. *Journal of cannabis research*, 7(1), 39.

Wang H, et al. (2024) Mitophagy in Alzheimer's Disease: A Bibliometric Analysis from 2007 to 2022. *Journal of Alzheimer's disease reports*, 8(1), 101.

Huang DL, et al. (2024) A Combined Manual Annotation and Deep-Learning Natural Language Processing Study on Accurate Entity Extraction in Hereditary Disease Related Biomedical Literature. *Interdisciplinary sciences, computational life sciences*, 16(2), 333.

Rehana H, et al. (2024) Evaluating GPT and BERT models for protein-protein interaction identification in biomedical text. *Bioinformatics advances*, 4(1), vbae133.

Alamro H, et al. (2024) BioBBC: a multi-feature model that enhances the detection of biomedical entities. *Scientific reports*, 14(1), 7697.

Sharma T, et al. (2024) Exploring COVID-related relationship extraction: Contrasting data sources and analyzing misinformation. *Heliyon*, 10(5), e26973.