

Resource Summary Report

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BOOST

RRID:SCR_013133

Type: Tool

Proper Citation

BOOST (RRID:SCR_013133)

Resource Information

URL: <http://bioinformatics.ust.hk/BOOST.html>

Proper Citation: BOOST (RRID:SCR_013133)

Description: Software application (entry from Genetic Analysis Software) for a method for detecting gene-gene interactions. It allows examining all pairwise interactions in genome-wide case-control studies.

Abbreviations: BOOST

Synonyms: BOolean Operation based Screening and Testing

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

Keywords: gene, genetic, genomic, logistic regression model, gene-gene interactions

Availability: Free, Available for download

Resource Name: BOOST

Resource ID: SCR_013133

Alternate IDs: nlx_154249

Record Creation Time: 20220129T080314+0000

Record Last Update: 20260801T042714+0000

Ratings and Alerts

No rating or validation information has been found for BOOST.

No alerts have been found for BOOST.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Corcoran E, et al. (2025) Automated dynamic phenotyping of whole oilseed rape (*Brassica napus*) plants from images collected under controlled conditions. *Frontiers in plant science*, 16, 1443882.

Jayasri C, et al. (2025) Detecting cyber attacks in vehicle networks using improved LSTM based optimization methodology. *Scientific reports*, 15(1), 19141.

Lee YC, et al. (2024) Enhancing COVID-19 booster vaccination among the elderly through text message reminders. *Human vaccines & immunotherapeutics*, 20(1), 2375665.

Collett BR, et al. (2024) Book-Sharing for Toddlers with Clefts (BOOST): Protocol for a randomized controlled trial of a remote intervention to promote language development in children with cleft palate. *PloS one*, 19(6), e0304630.

Qayoom A, et al. (2024) A novel approach for credit card fraud transaction detection using deep reinforcement learning scheme. *PeerJ. Computer science*, 10, e1998.

Luboeinski J, et al. (2023) Stabilization through self-coupling in networks of small-world and scale-free topology. *Scientific reports*, 13(1), 1089.

Karkaria BD, et al. (2022) Chaos in synthetic microbial communities. *PLoS computational biology*, 18(10), e1010548.

Comellas M, et al. (2022) A Dynamic Wheelchair Armrest for Promoting Arm Exercise and Mobility After Stroke. *IEEE transactions on neural systems and rehabilitation engineering : a publication of the IEEE Engineering in Medicine and Biology Society*, 30, 1829.

van Dijk LV, et al. (2022) Proton Image-guided Radiation Assignment for Therapeutic Escalation via Selection of locally advanced head and neck cancer patients [PIRATES]: A Phase I safety and feasibility trial of MRI-guided adaptive particle radiotherapy. *Clinical and translational radiation oncology*, 32, 35.

Williamson E, et al. (2022) The Clinical Effectiveness of a Physiotherapy Delivered Physical and Psychological Group Intervention for Older Adults With Neurogenic Claudication: The BOOST Randomized Controlled Trial. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 77(8), 1654.

Hung KL, et al. (2022) Targeted profiling of human extrachromosomal DNA by CRISPR-CATCH. *Nature genetics*, 54(11), 1746.

L??pez C, et al. (2022) The key role of differential broad H3K4me3 and H3K4ac domains in breast cancer. *Gene*, 826, 146463.

van Driessche A, et al. (2021) Advance care planning for adolescents with cancer and their parents: study protocol of the BOOST pACP multi-centre randomised controlled trial and process evaluation. *BMC pediatrics*, 21(1), 376.

Rizvi SFJ, et al. (2021) Numerical Analysis of a Liquid Nitrogen (LN2) Engine for Efficient Energy Conversion. *ACS omega*, 6(24), 15663.

Basu S, et al. (2021) Plausible blockers of Spike RBD in SARS-CoV2-molecular design and underlying interaction dynamics from high-level structural descriptors. *Journal of molecular modeling*, 27(6), 191.

Librado P, et al. (2021) The origins and spread of domestic horses from the Western Eurasian steppes. *Nature*, 598(7882), 634.

Luboeinski J, et al. (2021) Memory consolidation and improvement by synaptic tagging and capture in recurrent neural networks. *Communications biology*, 4(1), 275.

Creemers JHA, et al. (2021) A tipping point in cancer-immune dynamics leads to divergent immunotherapy responses and hampers biomarker discovery. *Journal for immunotherapy of cancer*, 9(5).

Evans S, et al. (2020) Systems biology predicts that fibrosis in tuberculous granulomas may arise through macrophage-to-myofibroblast transformation. *PLoS computational biology*, 16(12), e1008520.

Correia T, et al. (2020) Accelerated high-resolution free-breathing 3D whole-heart T2-prepared black-blood and bright-blood cardiovascular magnetic resonance. *Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance*, 22(1), 88.