

Resource Summary Report

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SIMPLEX

RRID:SCR_010807

Type: Tool

Proper Citation

SIMPLEX (RRID:SCR_010807)

Resource Information

URL: <http://icbi.at/software/simplex/simplex.shtml>

Proper Citation: SIMPLEX (RRID:SCR_010807)

Description: Cloud-enabled pipeline for the comprehensive analysis of exome sequencing data.

Abbreviations: SIMPLEX

Resource Type: software resource

Resource Name: SIMPLEX

Resource ID: SCR_010807

Alternate IDs: OMICS_00294

Record Creation Time: 20220129T080300+0000

Record Last Update: 20260829T182337+0000

Ratings and Alerts

No rating or validation information has been found for SIMPLEX.

No alerts have been found for SIMPLEX.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Choi HR, et al. (2026) Physics-Guided Neural Network for Quantitative Parameter Mapping Using Balanced Steady State Free Precession MRI. *Magnetic resonance in medicine*, 96(3), 1313.

Li T, et al. (2025) SIMPLEX Enriches Hydrophobic and Lipidated Proteins in Membrane Proteomics Experiments. *Proteomics*, 25(16), 28.

Schlicht K, et al. (2025) Prediabetes and type 2 diabetes but not obesity are associated with alterations in bile acid related gut microbe-microbe and gut microbe-host community metabolism. *Gut microbes*, 17(1), 2474143.

Hong H, et al. (2025) Noise-induced hearing loss enhances Ca²⁺-dependent spontaneous bursting activity in lateral cochlear efferents. *bioRxiv : the preprint server for biology*.

Bolton WJ, et al. (2024) Personalising intravenous to oral antibiotic switch decision making through fair interpretable machine learning. *Nature communications*, 15(1), 506.

Stedem AK, et al. (2024) Systematic evaluation of spatial resolution and gamma criteria for quality assurance with detector arrays in stereotactic radiosurgery. *Journal of applied clinical medical physics*, 25(2), e14274.

Imrie F, et al. (2023) AutoPrognosis 2.0: Democratizing diagnostic and prognostic modeling in healthcare with automated machine learning. *PLOS digital health*, 2(6), e0000276.

Geuzebroek AC, et al. (2023) Balancing true and false detection of intermittent sensory targets by adjusting the inputs to the evidence accumulation process. *eLife*, 12.

Weyant KB, et al. (2023) A modular vaccine platform enabled by decoration of bacterial outer membrane vesicles with biotinylated antigens. *Nature communications*, 14(1), 464.

Henneke L, et al. (2022) A dietary carbohydrate - gut *Parasutterella* - human fatty acid biosynthesis metabolic axis in obesity and type 2 diabetes. *Gut microbes*, 14(1), 2057778.

Chen WJ, et al. (2022) Podocalyxin-Like Protein 1 Regulates Pluripotency through the Cholesterol Biosynthesis Pathway. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 10(1), e2205451.

K??lle M, et al. (2022) Lower fractional anisotropy of the corticothalamic tract and increased response time variability in adult patients with ADHD. *Journal of psychiatry & neuroscience : JPN*, 47(2), E99.

Geisler C, et al. (2022) Cohort profile: the Food Chain Plus (FoCus) cohort. *European journal of epidemiology*, 37(10), 1087.

Nyaruaba R, et al. (2021) Developing multiplex ddPCR assays for SARS-CoV-2 detection based on probe mix and amplitude based multiplexing. *Expert review of molecular diagnostics*, 21(1), 119.

Gabrielli F, et al. (2021) Model-based signal processing enables bidirectional inferring between local field potential and spikes evoked by noxious stimulation. *Brain research bulletin*, 174, 212.

Zamith-Miranda D, et al. (2021) Omics Approaches for Understanding Biogenesis, Composition and Functions of Fungal Extracellular Vesicles. *Frontiers in genetics*, 12, 648524.

Morid MA, et al. (2020) Temporal Pattern Detection to Predict Adverse Events in Critical Care: Case Study With Acute Kidney Injury. *JMIR medical informatics*, 8(3), e14272.

van Maanen L, et al. (2019) Fast and slow errors: Logistic regression to identify patterns in accuracy-response time relationships. *Behavior research methods*, 51(5), 2378.

Dander A, et al. (2014) SeqBench: integrated solution for the management and analysis of exome sequencing data. *BMC research notes*, 7, 43.

Ben-David BM, et al. (2014) Effects of aging and distractors on detection of redundant visual targets and capacity: do older adults integrate visual targets differently than younger adults? *PloS one*, 9(12), e113551.