

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

Funding:

Resource Name: SIMPLEX

Resource ID: SCR_010807

Alternate IDs: OMICS_00294

Record Creation Time: 20220129T080300+0000

Record Last Update: 20250410T070022+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 19 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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*.

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.

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

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-Wurtemberg, Germany)*, 10(1), e2205451.

Kölle 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.

Zanto TP, et al. (2013) Age-related changes in expectation-based modulation of motion detectability. PloS one, 8(8), e69766.

Fischer M, et al. (2012) SIMPLEX: cloud-enabled pipeline for the comprehensive analysis of exome sequencing data. PloS one, 7(8), e41948.