Resource Summary Report

Generated by Kravitz on Sep 10, 2026

ECHO

RRID:SCR_011851
Type: Tool

Proper Citation

ECHO (RRID:SCR_011851)

Resource Information

URL: http://uc-echo.sourceforge.net/

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Description: Error correction algorithm designed for short-reads from next-generation sequencing platforms such as Illumina"s Genome Analyzer II.

Abbreviations: ECHO

Synonyms: ECHO: A reference-free short-read error correction algorithm

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

Defining Citation: PMID:21482625, DOI:10.1101/gr.111351.110

Keywords: error correction, rnaseq, rna sequence, short-read, next-generation sequencing, ngs, illumina, bio.tools

Availability: Free, Available for download

Resource Name: ECHO

Resource ID: SCR_011851

Alternate IDs: biotools:echo, OMICS_01102

Alternate URLs: https://bio.tools/echo, https://sources.debian.org/src/uc-echo/

Record Creation Time: 20220129T080307+0000

Record Last Update: 20260905T132714+0000

Ratings and Alerts

No rating or validation information has been found for ECHO.

No alerts have been found for ECHO.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 312 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

Liu T, et al. (2025) Maternal vaginal and fecal microbiota in later pregnancy contribute to child fecal microbiota development in the ECHO cohort. iScience, 28(4), 112211.

Abou-Kassem D, et al. (2025) Opioid Therapy in Chronic Pain: Assessment of Clinical Outcomes and Relationships With Endocrine Biomarkers. European journal of pain (London, England), 29(6), e70027.

Li Y, et al. (2025) Newborn blood DNA methylation and childhood asthma: findings from the ECHO program. International journal of epidemiology, 54(3).

Chuah J, et al. (2025) Dual-approach co-expression analysis framework (D-CAF) enables identification of novel circadian co-regulation from multi-omic timeseries data. BMC bioinformatics, 26(1), 72.

Zhao T, et al. (2025) A Versatile High-Throughput Single-Cell Screening Platform for Profiling Antigen-Specific Long-Lived B Cells in Blood and Bone Marrow. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(21), e2414945.

Lin YC, et al. (2025) A Streamlined Approach to Anticounterfeiting Technologies: Patterned AAO Membranes Based on Photonic Crystal Effects with Tunable Color Shifts and pH Responsiveness. Small (Weinheim an der Bergstrasse, Germany), 21(8), e2409919.

McBride J, et al. (2025) A Quantitative Approach to Data Collection and Analysis of ECHO Programs Focused on Cancer Care. Journal of medical education and curricular development, 12, 23821205251358088.

Chen YF, et al. (2025) Hibiscus Mutabilis-Inspired Upcycled TPEE Films with Orthogonal Wavelength-Controlled Spiropyrans for Dynamic Anticounterfeiting and Photoswitchable Conductivity. Small (Weinheim an der Bergstrasse, Germany), 21(36), e03829.

Rollins K, et al. (2025) Target cell adhesion limits macrophage phagocytosis and promotes trogocytosis. bioRxiv : the preprint server for biology.

Lu JY, et al. (2025) Inhibitory effects of Raphanus sativus root extracts on MUC5AC gene expression in human airway epithelial cells. NPJ science of food, 9(1), 181.

Adalarasan S, et al. (2025) Determinants Influencing the Electrocardiographic Diagnosis of Left Ventricular Hypertrophy Among Hypertensive Patients. Cureus, 17(2), e79217.

Dizon GVC, et al. (2025) Bioinert Fibrous Polypropylene Membranes via In Situ Polymerization of Zwitterionic Poly(sulfobetaine methacrylate). Langmuir : the ACS journal of surfaces and colloids, 41(7), 4524.

Wei HX, et al. (2025) Fabrication of pH- and Ultrasound-Responsive Polymeric Micelles: The Effect of Amphiphilic Block Copolymers with Different Hydrophilic/Hydrophobic Block Ratios for Self-Assembly and Controlled Drug Release. Biomacromolecules, 26(4), 2116.

Busireddy MR, et al. (2025) Achieving Low Dissipation Factors and Low Dielectric Constants via Thermally Stable Naphthalene-Based Poly(ester-imide)s with Fluorine Groups. ACS applied materials & interfaces, 17(12), 18931.

Evertsen FW, et al. (2025) Quantifying the Impact of Spatial Disorientation on Pilot Mental Workload and Attentional Focus. Human factors, 67(10), 997.

Akbaryan A, et al. (2025) COVID-19 Pandemic Exposure and Toddler Behavioral Health in the ECHO Program. JAMA network open, 8(9), e2530346.

Schrott R, et al. (2025) Prenatal opioid exposure and the early life epigenome: results from ECHO. Journal of substance use, 30(3), 484.

Chen CJ, et al. (2025) Pre-Loading of Cells via Vapor Sublimation and the Deposition Polymerization Process with a 3D Porous Scaffold for Cell Cultures. ACS biomaterials science & engineering, 11(8), 4941.

Niu Z, et al. (2025) Maternal Cardiometabolic Risk Factors in Pregnancy and Offspring Blood Pressure at Age 2 to 18 Years. JAMA network open, 8(5), e259205.

Suolitiken D, et al. (2025) Transformed to myelofibrosis is a risk factor for pulmonary hypertension in Philadelphia chromosome-negative myeloproliferative neoplasms. Annals of hematology, 104(4), 2279.