# **Resource Summary Report**

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# **Mercury**

RRID:SCR\_004231 Type: Tool

**Proper Citation** 

Mercury (RRID:SCR\_004231)

#### **Resource Information**

URL: https://www.hgsc.bcm.edu/software/mercury

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**Description:** An automated, flexible, and extensible analysis workflow that provides accurate and reproducible genomic results at scales ranging from individuals to large cohorts. The analysis pipeline is deployed in local hardware and the Amazon Web Services cloud via the DNAnexus platform.

Abbreviations: Mercury

Synonyms: Illumina Mercury pipeline

Resource Type: software resource

Defining Citation: PMID:24475911

**Keywords:** next-generation sequencing, genome, cloud, exome, cloud computing, illumina, bam, variant call file

Funding:

Availability: Refer to License for terms of use.

Resource Name: Mercury

Resource ID: SCR\_004231

Alternate IDs: OMICS\_02290

Record Creation Time: 20220129T080223+0000

Record Last Update: 20250420T014212+0000

## **Ratings and Alerts**

No rating or validation information has been found for Mercury.

No alerts have been found for Mercury.

## Data and Source Information

Source: SciCrunch Registry

#### **Usage and Citation Metrics**

We found 900 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Yao C, et al. (2025) A stable and biocompatible shortwave infrared nanoribbon for dualchannel in vivo imaging. Nature communications, 16(1), 4.

Dias JSM, et al. (2025) Ruthenium(II) Complex with 1-Hydroxy-9,10-Anthraquinone Inhibits Cell Cycle Progression at G0/G1 and Induces Apoptosis in Melanoma Cells. Pharmaceuticals (Basel, Switzerland), 18(1).

Pukalski J, et al. (2025) Synthesis and characterization of allomelanin model from 1,8dihydroxynaphthalene autooxidation. Scientific reports, 15(1), 567.

Huang Y, et al. (2025) Effect of stearic acid and sodium stearate on hydrophobicity of nano calcium carbonate and mechanism of water vapor adsorption. Scientific reports, 15(1), 364.

Muneer G, et al. (2025) Mapping Nanoscale-To-Single-Cell Phosphoproteomic Landscape by Chip-DIA. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(1), e2402421.

Prusinowska N, et al. (2025) Thio-modified trianglimines, a novel group of chiral macrocyclic compounds of high structural dynamics. Scientific reports, 15(1), 890.

Gogoi D, et al. (2025) Tuning of a Hydrogen-Bonded Organic Framework by Liquid-Assisted Mechanosynthesis between Trans-Aconitic Acid and Isonicotinamide. Chemistry (Weinheim an der Bergstrasse, Germany), 31(4), e202403427.

Lalioti N, et al. (2025) Luminescent Thermometer Based on a Praseodymium(iii) Cyanide-Based Metal-Organic Framework. Inorganic chemistry, 64(1), 192.

Paderni D, et al. (2025) A New Bis-Urea Based Cage Receptor for Anions: Synthesis, Solid State Structures and Binding Studies. Chemistry, an Asian journal, 20(2), e202401258.

He H, et al. (2025) Dynamic hydrogen-bonding enables high-performance and mechanically robust organic solar cells processed with non-halogenated solvent. Nature communications, 16(1), 787.

Kajtár M, et al. (2025) Knoevenagel-IMHDA and -IMSDA sequences for the synthesis of chiral condensed O,N-, S,N- and N-heterocycles. RSC advances, 15(2), 1230.

Zgrabik JC, et al. (2024) The Influence of Phosphorus Substituents on the Structures and Solution Speciation of Trivalent Uranium and Lanthanide Phosphinodiboranates. Inorganic chemistry, 63(21), 9451.

Essahili O, et al. (2024) Photoluminescence lifetime stability studies of ?-diketonate europium complexes based phenanthroline derivatives in poly(methyl methacrylate) films. ChemistryOpen, 13(5), e202300192.

Huang Y, et al. (2024) Evaluation of transrectal ultrasound-guided tru-cut biopsy as a complementary method for predicting pathological complete response in rectal cancer after neoadjuvant treatment: a phase II prospective and diagnostic trial. International journal of surgery (London, England), 110(6), 3230.

Verhoeven DJ, et al. (2024) Alcohol's impact on fine motor skills: Insights from minimally invasive surgical simulation. Heliyon, 10(8), e30099.

Wu M, et al. (2024) Molecular-caged metal-organic frameworks for energy management. Science advances, 10(19), eadl4449.

Ga?nik J, et al. (2024) Comparison of active measurements, lichen biomonitoring, and passive sampling for atmospheric mercury monitoring. Environmental science and pollution research international, 31(24), 35800.

Sherstiuk A, et al. (2024) Dithienylethene-Based Photoswitchable Phosphines for the Palladium-Catalyzed Stille Coupling Reaction. Inorganic chemistry, 63(17), 7652.

Hurtado-Rodríguez D, et al. (2024) Crystal structure, spectroscopy, DFT, and thermal studies of 3-cyano-2(1H)-pyridones as potential anticancer agents. RSC advances, 14(34), 24928.

Ghanbari H, et al. (2024) Synthesis, characterization, and biological activity of a fresh class of sonochemically synthesized Cu2+ complexes. Scientific reports, 14(1), 21325.