

# Resource Summary Report

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## Benaroya Research Institute Genomics Core Facility

RRID:SCR\_026658

Type: Tool

### Proper Citation

Benaroya Research Institute Genomics Core Facility (RRID:SCR\_026658)

### Resource Information

**URL:** <https://www.benaroyaresearch.org/our-research/core-labs/genomics-core>

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**Description:** Core provides services for genomics analysis, from sample processing through data generation. Available technologies focus on Illumina RNA and DNA sequencing. RNA-seq can be performed from a variety of sample types, including purified total RNA, cell populations (including low input samples of 50-1000 cells), or single cells (either plate-sorted rare populations or high-throughput 10x single-cell analyses). DNA-seq pipelines can also be performed, including bulk CUT and Tag/CUT and RUN, and ATAC-seq and single cell ATACseq and multiome capture. Custom prepared libraries can also be submitted for sequencing. Core laboratory houses Illumina sequencers, NextSeq2000 instruments and Miseq, plus 10x Chromium X and 10x CytAssist. Additional equipment includes ThermoFisher Kingfisher Flex, for extracting nucleic acid from variety of sample types using magnetic bead technology with throughput of up to 96 samples. Qiagen QIAcube Connect instruments automate extraction of nucleic acid using spin column technology. Ancillary equipment for sample processing includes Formulatrix Mantis Liquid Handler, Agilent TapeStation 4200 and Tecan NanoQuant.

**Synonyms:** , BRI Genomics Core, Benaroya Research Institute BRI Genomics Core

**Resource Type:** access service resource, core facility, service resource

**Keywords:** ABRF, genomics analysis, sample processing, data generation,

**Resource Name:** Benaroya Research Institute Genomics Core Facility

**Resource ID:** SCR\_026658

**Alternate IDs:** ABRF\_3104

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=3104&citation=1>

**Record Creation Time:** 20250326T060329+0000

**Record Last Update:** 20260821T194331+0000

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## Ratings and Alerts

No rating or validation information has been found for Benaroya Research Institute Genomics Core Facility.

No alerts have been found for Benaroya Research Institute Genomics Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Fasano KJ, et al. (2026) UC-associated autoantibodies to  $\alpha 6$  inhibit mucosal TGF $\beta$  activation and predispose to intestinal inflammation. bioRxiv : the preprint server for biology.

Avanessian SC, et al. (2026) IL2/IL15 Signaling Induces NK Cell Production of FLT3LG, Augmenting Anti-PD-1 Immunotherapy. Cancer immunology research, 14(1), 122.

Dela Cruz PC, et al. (2025) IL-13 Modulates Antiviral Effector and Proinflammatory Pathways in Rhinovirus-Infected Pediatric Bronchial Epithelium. bioRxiv : the preprint server for biology.

Jayavelu ND, et al. (2025) Transcriptomic Profiling of Bronchial Epithelium Reveals Dysregulated Interferon and Inflammatory Responses to Rhinovirus in Exacerbation-Prone Pediatric Asthma. bioRxiv : the preprint server for biology.

Doni Jayavelu N, et al. (2025) Bronchial epithelial transcriptome reveals dysregulated interferon and inflammatory responses to rhinovirus in exacerbation-prone pediatric asthma. JCI insight, 10(24).

Nutt WS, et al. (2025) NKTR-255, a polymer-conjugated IL-15, synergizes with CAR-T cell therapy to activate endogenous anti-tumor immunity and improve tumor control. bioRxiv : the preprint server for biology.

DeBerg HA, et al. (2025) T Cells Promote Distinct Transcriptional Programs of Cutaneous Inflammatory Disease in Keratinocytes and Dermal Fibroblasts. The Journal of investigative dermatology, 145(11), 2811.