# Resource Summary Report

Generated by NIF on May 24, 2025

## MGH NextGen Sequencing Core

RRID:SCR_012294
Type: Tool

### Proper Citation

MGH NextGen Sequencing Core (RRID:SCR_012294)

### Resource Information

**URL:** http://nextgen.mgh.harvard.edu

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**Description:** Core facility that provides the following services: NextGen sequencing, Data Analysis. The NextGen Core is a collaboration between the Department of Molecular Biology, the Center for Human Genetics Research, the Center for Computational Biology, and the Executive Committee on Research (ECOR). Currently, the Core operates using a single Ilumina HiSeq instrument, accompanied by Illumina""s cBot for cluster generation. This upgrade from our Genome Analyzer II doubled our capacity and greatly increased the data amount, quality, and stability over extra-long reads. The Core is located in the state-of-the-art Richard Simches Research Center on Cambridge St. as part of the MGH main campus in Boston. The many multi-investigator groups in the building - including those that study human genetics, stem cells, genomics, and more - make it the perfect location for the Core to service the researchers in those groups. The majority of customers come from MGH, but they also service customers at other academic medical centers and industry.

**Abbreviations:** MGH NextGen Core

**Synonyms:** Massachusetts General Hospital NextGen Sequencing Core, NextGen Sequencing Core (MGH)

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

**Keywords:** next generation sequencing, data analysis

**Funding:**

**Resource Name:** MGH NextGen Sequencing Core

**Resource ID:** SCR_012294

**Alternate IDs:** SciEx_11594

**Alternate URLs:** http://harvard.eagle-i.net/i/00000135-343e-53d1-0fb7-ab1580000000, http://www.scienceexchange.com/facilities/nextgen-sequencing-core-mgh-harvard

**Record Creation Time:** 20220129T080309+0000

**Record Last Update:** 20250524T060432+0000

## Ratings and Alerts

No rating or validation information has been found for MGH NextGen Sequencing Core.

No alerts have been found for MGH NextGen Sequencing Core.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Hernandez M, et al. (2015) The transcriptome of a complete episode of acute otitis media. BMC genomics, 16(1), 259.

Kalb R, et al. (2014) BRCA1 is a histone-H2A-specific ubiquitin ligase. Cell reports, 8(4), 999.

Heider AR, et al. (2014) Developing a communitywide electronic health record disease registry in primary care practices: lessons learned from the Western new york beacon community. EGEMS (Washington, DC), 2(3), 1089.

Xia J, et al. (2014) Endogenous small-noncoding RNAs and their roles in chilling response and stress acclimation in Cassava. BMC genomics, 15(1), 634.

Moldovan L, et al. (2014) Methodological challenges in utilizing miRNAs as circulating biomarkers. Journal of cellular and molecular medicine, 18(3), 371.