Resource Summary Report

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University of North Carolina at Chapel Hill Translational Genomics Lab Core Facility

RRID:SCR_025231
Type: Tool

Proper Citation

University of North Carolina at Chapel Hill Translational Genomics Lab Core Facility (RRID:SCR_025231)

Resource Information

URL: https://unclineberger.org/tgl/

Proper Citation: University of North Carolina at Chapel Hill Translational Genomics Lab Core Facility (RRID:SCR_025231)

Description: Core facility within Lineberger Comprehensive Cancer Center that performs sample processing for the molecular, pathologic, and genomic characterization of patient-derived specimens using high-end instrumentation and state-of-the-art methods. Service offerings include nucleic acid extraction, gene expression profiling, spatial genomics, next-generation sequencing library preparation, and high-throughput sequencing. Protocols leverage the reproducibility and reliability of automated instrumentation to minimize batch effects and processing errors (e.g. sample swaps). These workflows have been continuously optimized over the last decade, with a sample-to-answer historic success rate of ~90% for the >15,000 FFPE samples TGL has processed.

Abbreviations: TGL

Synonyms: , University of North Carolina at Chapel Hill UNC LCCC Translational Genomics Lab (TGL), UNC LCCC Translational Genomics Lab (TGL)

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

Keywords: ABRF, sample processing, molecular, pathologic, genomic, patient derived specimens characterization,

Resource Name: University of North Carolina at Chapel Hill Translational Genomics Lab Core Facility

Resource ID: SCR_025231

Alternate IDs: ABRF_2716

Alternate URLs: https://coremarketplace.org/?FacilityID=2716&citation=1

Record Creation Time: 20240406T053246+0000

Record Last Update: 20260919T200019+0000

Ratings and Alerts

No rating or validation information has been found for University of North Carolina at Chapel Hill Translational Genomics Lab Core Facility.

No alerts have been found for University of North Carolina at Chapel Hill Translational Genomics Lab Core Facility.

Data and Source Information

Source: SciCrunch Registry

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 .

Pascual T, et al. (2026) Talimogene laherparepvec and atezolizumab in HER2-negative breast cancer following neoadjuvant chemotherapy: a window-of-opportunity phase II trial (SOLTI-1503 PROMETEO). Nature communications, 17(1).

Stanland LJ, et al. (2026) Protocols to evaluate mutant specificity of an oncogene-targeting siRNA using orthogonal in vitro and in vivo approaches. STAR protocols, 7(1), 104323.

Sutcliffe MD, et al. (2026) Transcriptomic profiling of mouse mammary tumors enables prognostic and predictive biomarker discovery for human breast cancers. bioRxiv : the preprint server for biology.

Chao YL, et al. (2025) Snord67 promotes breast cancer metastasis by guiding U6 modification and modulating the splicing landscape. Nature communications, 16(1), 4118.

Parrish ML, et al. (2025) Differential Localization of ??-Catenin Protein in CTNNB1 Mutant Endometrial Cancers Results in Distinct Transcriptional Profiles. Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc, 38(9), 100791.

Alicea Pauneto CDM, et al. (2025) Intra-tumoral hypoxia promotes CD8+ T cell dysfunction via chronic activation of integrated stress response transcription factor ATF4. Immunity.

Stanland LJ, et al. (2025) A first-in-class EGFR-directed KRAS G12V selective inhibitor. Cancer cell.