# **Resource Summary Report**

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# Cystic Fibrosis and Pulmonary Diseases Research and Treatment Center Functional Analysis Core

RRID:SCR\_015386

Type: Tool

## **Proper Citation**

Cystic Fibrosis and Pulmonary Diseases Research and Treatment Center Functional Analysis Core (RRID:SCR\_015386)

#### Resource Information

**URL:** <a href="https://www.med.unc.edu/marsicolunginstitute/core-facilities/cftr-functional-analysis-core">https://www.med.unc.edu/marsicolunginstitute/core-facilities/cftr-functional-analysis-core</a>

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**Description:** Core that analyzes ion channel properties and correction efficiency of human bronchial epithelial (HBE) cells from harvested CF lungs to provide a full characterization report to investigators, measures ion transport function of CFTR and ENaC in HBE and human nasal epithelial (HNE) cultures by bioelectric and organoid assays to asses efficacy of candidate therapies, evaluates CFTR expression and processing by biochemical analyses to assess efficacy of CFTR modulation strategies, and validates the suitability of reagents, supplies, and techniques for optimizing HBE and HNE cell integrity.

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

**Keywords:** cystic fibrosis, gene targeting, functional analysis

Funding: Cystic Fibrosis Foundation Resource Development Program BOUCHE15R0

Resource Name: Cystic Fibrosis and Pulmonary Diseases Research and Treatment Center

Functional Analysis Core

Resource ID: SCR\_015386

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Record Last Update: 20250525T032832+0000

### **Ratings and Alerts**

No rating or validation information has been found for Cystic Fibrosis and Pulmonary Diseases Research and Treatment Center Functional Analysis Core.

No alerts have been found for Cystic Fibrosis and Pulmonary Diseases Research and Treatment Center Functional Analysis Core.

## **Data and Source Information**

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We have not found any literature mentions for this resource.