# Resource Summary Report

Generated by dkNET on Apr 22, 2025

## 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:** https://www.med.unc.edu/marsicolunginstitute/core-facilities/cftr-functional-analysis-core

**Proper Citation:** Cystic Fibrosis and Pulmonary Diseases Research and Treatment Center Functional Analysis Core (RRID:SCR_015386)

**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

**Record Creation Time:** 20220129T080325+0000

**Record Last Update:** 20250422T055852+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.