

DIVISION OF PATHOLOGY AND LABORATORY MEDICINE  
COLLEGE OF MEDICINE

SUMMER RESEARCH OPPORTUNITIES FOR UNDERGRADUATE students

FOR APPLICATION YEAR: 2026

PROJECT TITLE: Pathologic and molecular assessment of pediatric liver tumors

Kalyani Patel  
Division of Pathology and Laboratory  
Medicine, Cincinnati Children's Hospital  
3333 Burnet Ave Cincinnati, OH 45229  
513-636-8152  
Kalyani.Patel@cchmc.org

**Project Description**

This project is based in the Pathology Division of Cincinnati children's hospital and involves study of pediatric liver tumors. Pediatric liver tumors are a rising cause of morbidity and mortality in children. This project involves a combination of tools to study the liver tumors such as histopathology assessment, immunohistochemistry, molecular testing, image analysis, annotation of digitally scanned slides, data analysis, and basic statistics. Work done during this period is expected to lead to a publication with the candidate getting first or co-authorship depending on the contribution.