

## **Baccalaureate Training**

Mentored >1500 undergraduates in 10 years teaching

## **Graduate Training**

♦ Mentored 23 Master's & Ph.D students

## Post-Graduate Training (T32 Funded)

Successfully Mentored 7 Fellows

## **Publications**

12 in last 18 months, top 1% journals in cardiopulmonary

## **Grant Funding**

Currently 100% independently funded lab of 6 scientists

### **Past Trainees**

 Successful admission to medical & graduate school, residency, fellowship, internships, & employment

Talk With Us About Your Research Interests in Cardiopulmonary Blood Vessels & Lymphatics:

http://www.ucdenver.edu/academics/colleges/Engineering/Programs/bioengineering

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## **Baccalaureate Training**

♦ B.S. & B.A. Programs, Dept. of Bioengineering

## **Graduate Training**

Master's & Ph.D Programs, Dept. of Bioengineering

## Post-Graduate Training (T32 Funded)

Post-Doctoral fellowship, Clinical Research fellowship

### What You Will Learn

- Cardiopulmonary Science
- Immunology & Inflammation Biology
- Grant Writing, Scientific Ethics, Oral & Written Communication

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# **W** MYKC Laboratory **What We Offer**

## The Setting

- Departments of Pediatrics-Critical Care & Bioengineering
- **World Renowned Cardiovascular Pulmonary Laboratories**
- **Linda Crnic Institute for Down Sundrome**

#### The Focus

- Basic, Translational, and Clinical Sciences
- **Cardiopulmonary Vasculature and Lymphatics**

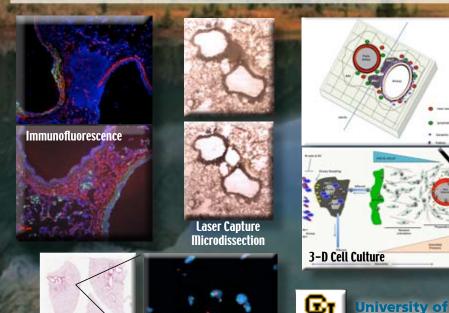
## The Opportunities

Baccalaureate, Master's, Ph.D., Post-doctoral/Clinical Fellows

Colorado Denver

## Research Contract Services (Call for Pricing)

- In vitro & In vivo Research Assays & Technical Expertise
- In vivo Modeling, Tissue Processing, Hemodynamics, Echocardiography, Flow Cytometry, Pharmacokinetics





# **MYKC Laboratory Our Science**

#### **Basic Research**

- ♦ 2D & 3D Heart, Lung, Immune Cell Co-Culture
- ❖ Interstitial Fluid Flow & Cell Morphology/Migration
- Flow Cutometru

### Translational Research

- In vivo Modeling of Cardiopulmonary Diseases
  - Live Imaging, Cell Lineage Tracing, Cell Tracking
  - **Bone marrow transplantation** 
    - T2 MR Imaging, Lymphatic Fluid Imaging

### **Clinical Science**

- Immune/Autoimmune Phenomena
- Cardiopulmonary Disease, Down Syndrome

