MYKC Laboratory
University of Colorado Denver

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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**MYKC Laboratory**

**What We Offer**

The Setting
- Departments of Pediatrics–Critical Care & Bioengineering
- World Renowned Cardiovascular Pulmonary Laboratories
- Linda Crnic Institute for Down Syndrome

The Focus
- Basic, Translational, and Clinical Sciences
- Cardiopulmonary Vasculature and Lymphatics

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

Research Contract Services (Call for Pricing)
- In vitro & In vivo Research Assays & Technical Expertise
- In vivo Modeling, Tissue Processing, Hemodynamics, Echocardiography, Flow Cytometry, Pharmacokinetics

**Our Science**

Basic Research
- 2D & 3D Heart, Lung, Immune Cell Co-Culture
- Interstitial Fluid Flow & Cell Morphology/Migration
- Flow Cytometry

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

Images:
- Immunofluorescence
- Laser Capture Microdissection
- 3-D Cell Culture
- Flow Cytometry
- Western Blotting
- Normal heart is easily detectable on these T2-MRI.

**University of Colorado Denver**