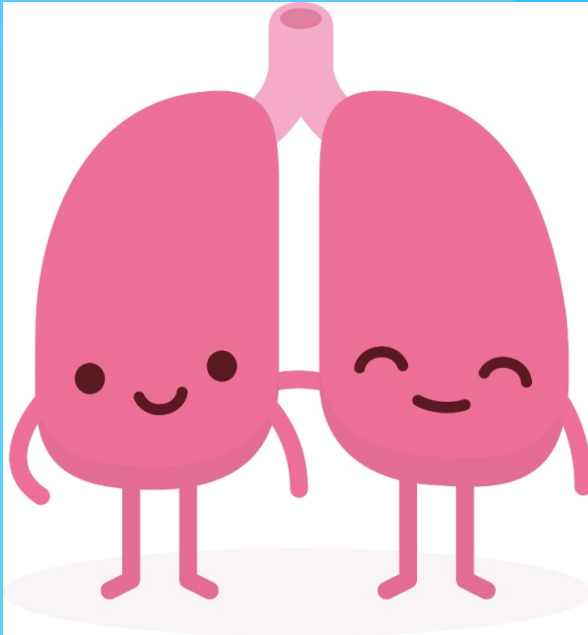


Young Docs Annual Science Fair

Young Docs will host our fourth annual science fair this year.
Our topic will be the **PULMONARY SYSTEM**



Date: December 10, 2016

Time: 10:30-2 pm

Location: Russ Berrie 1,2 on the Columbia University Medical Campus

Sign Up Here: <https://docs.google.com/forms/d/e/1FAIpQLSfAdCfcdeI9dAFCIZdeD79kTB4scvg2MmlGNMIPrs49BXwcLg/viewform>

Last Day to sign up: November 17th

This year, participants will be exploring the lungs. Working either as individuals or in pairs, students will prepare a presentation on the pulmonary system and a related disease as well as create a 3D model of the lungs.

Prizes: The first place and runner up for middle school and high school will be awarded prizes based on judging by Columbia faculty.

Questions? Email us at ke2224@columbia.edu

2016 Young Docs Science Competition Requirements

- Construct a 6-7" 3-D model of the lungs
- On a 36"- 48" tri-fold poster board
 - Label a drawing/schematic of the lungs. Be sure to label the lobes on each side as well as the alveoli, bronchi, pulmonary veins and the pulmonary artery
 - Have one section depicting how the shape of the lungs change with inhalation and exhalation
 - Choose 1 disease that affects the respiratory system (**ex. Lung cancer, asthma**) and explain
 - Pathophysiology: What goes wrong and where in the respiratory system it happens
 - Symptoms of the disease
 - Is there a treatment? What is a treatment for this disease, how does it work?
- 3-5 minute presentation on the Lungs and Disease include:
 - How do the lungs help us breathe?
 - What is the name of your disease
 - Pathophysiology of the disease
 - Symptoms of the Disease
 - Treatments for the disease