July Air Quality Sampling

Are you willing to carry a lightweight air pollution sampler for 3 hours on the 3rd of July, helping us to perform high resolution mapping on an important air pollutant? If yes ... read on.

Background
The Fourth of July holiday brings many activities including fireworks and barbeques. These activities contribute to the particulate matter in the air around everyone. This increase in matter can lead to serious health consequences if high levels of these particles stay in the air. To read more about the effects of Fourth of July on the pollution in the air go to http://time.com/3943702/fourth-of-july-fireworks-pollution/

Project
For the Iowa City fireworks display (Sunday July 3rd), the Stanier Lab Group would like to map the particulate matter around Iowa City using a new technology. Using AirBeam sensors and tablets (pictured below), we can map differences in pollutant levels throughout the area. This project is part of an ongoing project called CLE4R. CLE4R aims to improve the air quality of the Mississippi River Valley by education, outreach, and research. More about this project can be found on the website http://www.iihr.uiowa.edu/clear4/

Equipment
The lightweight and easy to use AirBeam sensor will be provided to volunteers.

IF YOU ARE INTERSTED IN VOLUNTEERING, EMAIL HANNAH-HUMES@UIOWA.EDU