

New Interdisciplinary EPICS Team for Fall 2016!

Global Air Quality Trekkers (GAQT)

Friday 10:30AM-12:20PM, ARMS 3109



We are recruiting motivated undergraduate students from all engineering disciplines, health sciences, atmospheric science & beyond to form a team to tackle global air pollution challenges.

Air pollution is the largest environmental health risk in the world & responsible for 7 million deaths each year (WHO, 2012).

Starting Fall 2016, we are working with groups of women from the Nandi community in Western Kenya & Kenyan research partners to mitigate indoor air pollution in kitchens. We will develop low-cost, solar-powered air quality sensor modules using Arduino and Beaglebone platforms. We are also conducting a community-led intervention study to test clean kitchen concepts designed & built by the Nandi women themselves.

Why join our EPICS team?

- Make a global impact
- Study air pollution & health effects
- Learn how to program Arduino
- International learning experience
- Collect indoor air quality data on biomass stove emissions in Kenya
- Experience Nandi cooking practices & culture
- Field test & calibrate sensors

Be a part of our EPICS team & join us in Kenya for a study abroad over Winter Break!

Purdue GEP Study Abroad Trip Planned for Dec. 29, 2016 to Jan. 8, 2017



For more information, please contact Prof. Brandon E. Boor
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