

DHT-Lab Fellows Program 2015-2016

The Developing World Healthcare Technology Laboratory (DHT-Lab) Fellows program provides engineering undergraduates with an opportunity to gain intensive experience in the field of medical instrumentation applied to the developing world alongside DHT-Lab faculty and staff. Fellows receive course credit and also have the opportunity to do field work in a developing country during the summer. This competitive program is open to students from any department. The program is under the direction of Dr. Robert Malkin, Director of the DHT Lab.

DHT-Lab Fellows receive course credit for up to three independent studies. For example:

Biomedical Engineering [493, 494, 494]*

- 493, 494, 494 - Projects in Biomedical Engineering

Fellows are selected about midway in their junior year. Selection criteria include research interests, academic record, intellectual ability, and maturity. A Fellow must be either a graduate or a selected future participant of the Engineering World Health Summer Institute (with or without funding from DukeEngage) or a similar program. Fellows may use their DHT-Lab Fellows work as the basis of a Senior Honors Thesis for graduation with distinction. Fellows may optionally elect to take BME462 to work on a related (but separate) design project. Upon completion, those pursuing graduation with distinction present their work to an advisory panel and examining committee at the end of the Fellow's senior year. Achievements of DHT-Lab Fellows have included publications, presentations at conferences, and other significant contributions to improve healthcare in the developing world. Typically, DHT-Lab Fellows travel to the developing world sometimes more than once and often graduate with many other university and engineering honors.

Interested? Students who are interested in the program are encouraged to contact Dr. Malkin, carefully study the DHT-Lab web site (dhtlab.pratt.duke.edu), and/or contact one of the current DHT-Lab Fellows to find out what research and design projects in the lab they find most interesting. To apply, send an e-mail describing your preferred project to Dr. Malkin (robert.malkin@duke.edu). If you are applying based on a summer experience similar to the Duke-EWH Summer Institute, also forward your application to that experience.

DEADLINE: Requests for consideration to Dr. Malkin before October 31, 2015

NOTICES: You will notified if you are receiving a fellowship offer on or about November 15, 2015

*Students may not receive credit toward graduation for more than two independent studies. However, three semesters are required for DHT-Lab Fellows. Access to BME462 is preferentially given to seniors who have not previously taken design. DHT-Lab Fellows who are seniors who have not previously taken senior design have preferential entry into BME462.

DHT-Lab Fellows Program FAQ

I'm interested in the DHT-Lab Fellows and I've already done the EWH Summer Program. Do I need to complete an application?

No. Your Duke-EWH Summer Institute application is sufficient. Simply send an e-mail describing your preferred project to Dr. Malkin (robert.malkin@duke.edu).

But I never completed the Duke-EWH Summer Institute? I have not even applied to the Duke-EWH Summer Institute?

If you have completed or are applying to complete a similar program, you are eligible to apply for the DHT-Lab Fellows program. If you are applying based on a program similar to the Duke-EWH Summer Institute, you'll need to submit your application to that program.

What do you mean by similar?

In most cases, any developing world placement of significant duration is sufficient to qualify.

I completed Duke-EWH Summer Institute a year ago, am I still eligible?

Yes!

I am a graduate student. Am I eligible?

Yes. Graduate students completing a course-work or project-only master's degree are welcome to apply. If you are completing a thesis or dissertation, you are probably not eligible. Graduate students should contact Dr. Malkin before applying.

Can I do both DHT-Lab Fellows and Pratt-Fellows?

No. The two programs are similar but not interchangeable.