Looking for an internship for winter term? Interested in Health Technologies? Apply for the Little Devices Lab internship at MIT!

The Little Devices Lab based at MIT develops empowerment technologies for health. They are currently seeking interns to work on any of the following three projects during W15!

1) **Designing maker spaces to promote nurses as inventors of innovative solutions in medical technology.** Funded by the Robert Wood Johnson Foundation, the Little Devices Lab is working with nurses across the country to understand, adapt and build toolsets for "maker nurses" in the US. This approach is derived from the Little Devices Lab approach to working with partners in developing countries to identify and develop solutions for healthcare settings and encourage and empower hospital staff to create their own solutions. Students with any academic background are welcome to apply. Students with background or interests in **policy, anthropology, sociology, geography, writing** and have a sense of **design** are **strongly encouraged** to apply. Students selected for this internship will have the opportunity to shadow hospital staff at several national and regional hospitals and will travel domestically with faculty mentors to understand and implement maker spaces at several hospitals. Responsibilities include liaising with the online community platform, MakerNurse Create, manage user projects, submissions, and online activity using Wordpress, social media, and dedicated prototypes to illustrate medical making how-to’s.

2) **Modular Diagnostic Test Construction Kits.** The Little Devices Lab has developed several remote diagnostic kits for use in developed and resource-limited settings. The selected intern will work on designing assays, perform antibody screening, functionalizing isothermal PCR on paper and the design and fabrication of paper microfluidic tests for infectious diseases such as Ebola, Dengue, and Marburg. Students interested in working on
this project should have strong **biology** and/or **chemistry** background.

3. **Mechanical Design Test Construction Kits.** Designing individual 3-D printed construction set modules for democratizing diagnostic assays. Work with the lab on embedding biosensors and hardware sensors to integrate the kit into a design software platform being developed at the lab. Strong **design**, **mechatronic**, and **fabrication** skills desired. Interest in collaborative prototyping for non-designers a plus.

Please [apply online](mailto:jessica.k.friedman@dartmouth.edu), submit an electronic transcript and personal statement directly to [jessica.k.friedman@dartmouth.edu](mailto:jessica.k.friedman@dartmouth.edu).