**Emissions reductions.** The Aga Khan Health Services Carbon Management Tool [ref] will be used to calculate the project's total carbon footprint by simulating all of the study's carbon-generating activities and processes, from transportation to the transport of lab specimens and their analysis to the consumption of grid electricity and the operation of refrigeration systems. Emissions from the project's activities as a whole will be monitored every six months, and reduced where practical. It is our intention to incorporate the knowledge gained from our efforts to measure and lower emissions into future endeavors.

Ph.D.