1. **Beyond Traditional Borders (BTB)** – undergraduate education initiative of Rice 360°
   - Technologies have served 19,000 people in 15 countries
   - 10% of undergraduates take courses in the global health technologies minor
   - 59 students have declared the minor: 34% in social sciences; 24% in humanities; 24% in natural sciences; 19% in engineering
   - 17 interns worked in 6 countries in 2010. Intern blogs at: [www.owlsbeyondborders.rice.edu](http://www.owlsbeyondborders.rice.edu)
   - 6 students won awards in 2010, including Fulbright, Truman, and Wagoner scholars
   - Sally centrifuge (Fig. 1) featured on CNN, Yahoo! home page
   - BTB funded by HHMI; renewed to 2014 but with budget cuts – seeking endowment ($10 M)

2. **Technology Dissemination**
   - MGMT 748/GLHT 449: Technology Commercialization in Developing Countries.
     - Undergraduate engineers and MBA students develop business plans for BTB technologies. Students do research in Rwanda.
     - The course’s InfantAIR team won the Social Venture Prize in the Rice Alliance Business Plan Competition ($11,750 prize)
   - Engineering undergraduates won the undergraduate business plan competition sponsored by the Rice Alliance for their plan for the IV-drip monitor ($2,500 prize)
   - The course will be offered again in the fall.
   - 25 diagnostic lab-in-a-backpacks (Fig. 2) have been disseminated to mobile clinics in Ecuador, in partnership with the Ministry of Health. The packs will be used in mobile clinics to improve care for an estimated 120,000 people per year.
   - 14 Community Health Outreach backpacks delivered to St. Gabriel’s Hospital in Malawi, serving 250,000 people.
   - Opportunity for country-wide dissemination of Accudose dosing clips (Fig. 3) in Swaziland, in partnership with the Clinton Foundation. The clips help to ensure delivery of the correct dose of liquid medication, and would be provided to the 9,000 participants in Swaziland’s program for the Prevention of Mother to Child Transmission of HIV/AIDS.
   - Beta-prototyping of student-designed GlobalFocus microscope (Fig. 4). GlobalFocus is a portable field microscope which can be built for $220. In an evaluation of the microscope's ability to diagnose TB, the results of which will appear in PLoS ONE this week, the GlobalFocus showed findings equivalent to research grade microscopy.

3. **Select Research Awards in 2009-2010**
   - $1.8 M from Cancer Prevention Research Institute of Texas for development of imaging system for early detection of oral cancer
   - $2 M from NIH to John McDevitt for inexpensive test for oral cancer
   - One of 58 teams (> 700 letters of intent) invited to submit full proposal to Gates Foundation Grand Challenges Point-of-Care Diagnostics program.