Improved Breastpump

Successful extraction of breastmilk from lactating mothers is necessary for improved infant health. However, there are several limitations to the breast pumps currently on the market. Most importantly, current technology does not mimic the biomechanical motions of the nursing infant. Recent data (http://www.pnas.org/content/111/14/5230.full) has documented the kinematics of nursing. This project will result in a novel pump design to improve milk extraction. The pump design will mimic nursing kinematics.