

## **2007 Forward Thinking Poster Session/Colloquy Presentation Awardees**

### **Dr. Lisa Hanson, Associate Professor, Nursing and Kathryn Osborne - A pilot study to develop a behavioral intervention to support self-regulated pushing during second stage labor: A focus group of Certified Nurse-Midwives as Informants**

The aim of this study is to gather information from practicing Certified Nurse-Midwives that will be used to develop a full protocol for the behaviors that compose supportive care. The protocol will be based on the principle of self-directed pushing and a re-conceptualization of second stage labor.

### **Dr. Fabien Josse, Professor, Electrical and Computer Engineering; Dr. Susan Schneider, Associate Professor, Electrical and Computer Engineering and Meetalee Dalal - Mold Detection using Acoustic Wave Sensors**

A Thickness Shear Mode Resonator will be used to detect the presence of mold to provide proof-of-concept data to support possible use of this or similar acoustic wave devices as mold sensors. If mold can be reliably detected using an acoustic wave device, then the growth status of mold may be determined at any given time.

### **Dr. Astrida Kaugars, Assistant Professor, Psychology and Christopher J. Fitzgerald - Father Involvement in Caring for Adolescents with Diabetes: An Investigation Piloting New Techniques in Pediatric Research**

This study will explore five major characteristics of father-adolescent relationships and examine how these factors relate to fathers who are more involved in an adolescent's diabetes care, as well as how this involvement is associated with the adolescent's treatment adherence.