

**Department of Nutritional Sciences
College of Allied Health Sciences, Academic Health Center
SUMMER RESEARCH OPPORTUNITIES
FOR UNDERGRADUATE WOMEN**

APPLICATION DEADLINE: March 1, 2006

The Department of Nutritional Sciences is pleased to offer the following research project for the summer of 2006. Interested students are urged to contact the faculty member(s) directing the project that most interests them. By contacting the faculty member, you can discover more about the project, learn what your responsibilities will be and if possible, develop a timetable for the twelve-week research period.

Nutrition, Pregnancy, and Future Diseases

**Professor Debra Krummel
University of Cincinnati Academic Health Center
Department of Nutritional Sciences
ML 394
Cincinnati, OH 45267-0394
Tel. (513-558-8537)
Fax (513-558-7500)
Email: debra.krummel@uc.edu**

Project Description

With the high prevalence of obesity, more women are entering pregnancy with excess body weight. Pre-pregnant obesity confers high risk to the mother (gestational diabetes, hypertensive, and thromboembolic disorders) and to the unborn child (large baby, late fetal death, congenital malformations). We are involved in mechanistic and intervention studies addressing the obesity in pregnancy. Our project this summer is a prospective study of the effects of maternal nutrition on metabolic parameters and placental nutrient transport. Students would be involved in recruitment, assessment, laboratory analysis, and data collection.