

## RESEARCH OPPORTUNITIES IN THE PURDUE NUTRITION DEPARTMENT WITHIN SIGNITURE AREAS

**Appetite,  
Metabolism, and  
Obesity**

**Cancer  
Prevention**

**Botanical and  
Bioactives for  
Health**

**Calcium,  
Vitamin D, and  
Bone Health**

### EXAMPLES OF FOCUSED LABORATORY STUDIES:

#### *Appetite, Metabolism, and Obesity Area:*

- Dr. Kimberly Buhman's laboratory studies factors that regulate sensing, metabolism, and absorption of dietary fats that can potentially be used for preventative interventions for obesity, diabetes and heart disease.
- Dr. Nana Gletsu Miller's laboratory studies the nutritional status in obesity and weight loss interventions, specifically within bariatric surgery.

#### *Cancer Prevention Area:*

- Dr. Mridul Datta's lab studies the role of nutrition, particularly dietary bioactive components, in helping cancer treatment related inflammation and fatigue.
- Dr. Dorothy Teetgarden's lab studies the role and mechanism of vitamin D metabolites in regulation of proteins during breast cancer progression.

#### *Botanical and Bioactives for Health Area:*

- Dr. Cordelia Running's research uses sensations such as taste, smell, and chemesthesis to improve the efficacy of food for health.
- Dr. John Burgess' lab studies the complications of diabetes, specifically peripheral neuropathies.

#### *Calcium, Vitamin D, and Bone Health:*

- Dr. Kathleen Hill Gallant's lab focuses on factors that regulate intestinal absorption of dietary phosphorus using human clinical studies.
- Dr. Connie Weaver's lab studies calcium needs during adolescence and post-menopause and calcium's influence on development of peak bone mass.

Additional information can be found at:

[http://www.purdue.edu/hhs/nutr/research/research\\_areas/index.html](http://www.purdue.edu/hhs/nutr/research/research_areas/index.html)

**Purdue Nutrition Students are always welcome and encouraged to participate in faculty research, so feel free to join the fun that Purdue research has to offer!**

**Victoria Mullen  
Purdue University  
College of Health and Human Sciences  
Department of Nutrition Science  
Dietetics**

**Feel free to contact [vmullen@purdue.edu](mailto:vmullen@purdue.edu) with any questions or concerns!**