

# Nutritional Sciences

Director of Graduate Studies: Dr. Pamela Hinton, [HintonP@missouri.edu](mailto:HintonP@missouri.edu)

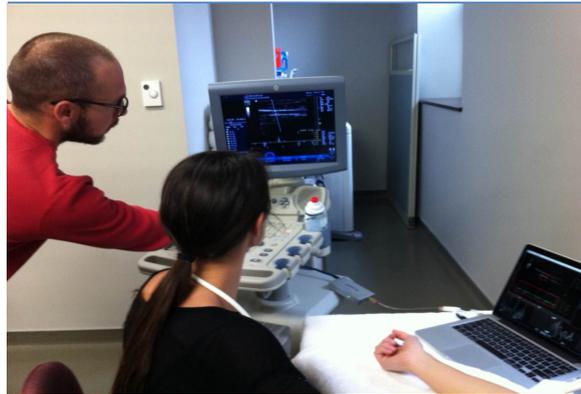
The Nutritional Sciences Graduate Program provides training in the distinct core nutrition knowledge described by the Graduate Nutrition Education Committee of the American Society for Nutrition:

- general research skills
- structure and biochemical and metabolic functions of nutrients and other dietary constituents
- food, diets, and supplements
- nutritional status assessment
- nutrition and disease
- nutrition interventions and policies
- analytical skills

Graduate students also receive training in laboratory research, seminar preparation and delivery, scientific writing, problem solving and research grant writing.

Graduate study in Nutritional Sciences at the University of Missouri offers the advantage of interdisciplinary nutrition research that is facilitated via the many research centers at MU, including Food for the 21st Century (F21C), the Botanical Center, and the Life Sciences Center.

The graduate program is administered by the Department of Nutrition and Exercise Physiology in association with the College of Human Environmental Sciences, the College of Agriculture, Food and Natural Resources, and the School of Medicine.



# Exercise Physiology

Director of Graduate Studies: Dr. Jill Kanaley, [KanaleyJ@missouri.edu](mailto:KanaleyJ@missouri.edu)

Exercise physiology faculty seek to develop new knowledge in the area of exercise training, exercise metabolism, and obesity. The current focus of the program is physical inactivity, cardiovascular physiology, exercise and nutrition strategies for weight management and the prevention of lifestyle related diseases. The mission of the Exercise Physiology Graduate Program is to train graduate students who will provide professional leadership and research developments in areas of human health and sports conditioning.

The Graduate Program offers **MS and PhD degrees** in Exercise Physiology. These exercise physiology degrees are designed to prepare students for careers in exercise physiology or exercise physiology/nutrition.

Teaching and research assistantships are available on a competitive basis. There are approximately 15 Exercise Physiology graduate students in the program.

The Nutrition & Exercise Physiology Department is the only department on campus that spans three colleges (Human Environmental Sciences; Medicine; and Agriculture, Food and Natural Resources). This unique configuration poises and challenges us to become a model of interdisciplinary research and education on campus.

The primary graduate degree program in nutritional sciences is the NSGP. Both MS and PhD degrees in Exercise Physiology are also associated with the Nutritional Sciences Program. In addition, MS or PhD degrees in animal sciences, biochemistry and food science are offered to students studying nutrition through the respective departments.

Entering graduate students should see the NEP website for the prerequisites and requirements of the respective programs.

<http://ns.missouri.edu/grad.html>

For more info, contact:

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<http://ns.missouri.edu/grad.html>

### **Faculty**

Steve Ball, PhD  
Dale Brigham, PhD  
Sara Gable, PhD  
Chris Hardin, PhD  
Pam Hinton, PhD  
LeGreta Hudson, MS, RD, CDE  
Jill Kanaley, PhD  
Pauline Landhuis, MS, RD  
Heather Leidy, PhD  
Jaume Padilla, PhD  
Elizabeth J. Parks, PhD  
Catherine A. Peterson, PhD, RD  
Nkki Raedeke, PhD, RD  
Jennifer Schnell, MS, RD, LD  
Dan Smith, MS  
John Thyfault, PhD  
Victoria Vieira-Potter, PhD

### **Joint Faculty**

Mick Petris, PhD  
Lakshmi Pulakat, PhD, M.Phil  
Scott Rector, PhD

### **Adjunct Faculty**

Frank Booth, PhD  
Ann Cohen, MS, RD, LD  
Paul Fadel, PhD  
Kevin Fritsche, PhD  
Jamal Ibdah, MD, PhD  
Chi-Hua (Peter) Lu, PhD  
Dennis B. Lubahn, PhD  
J. Bryan Mann, PhD  
Tina Roberts, EdS, MS  
Steve Sayers, PhD

### **Extension Faculty**

Jo Britt-Rankin, PhD, MS  
Candance Gabel, MS, RD  
Susan Mills-Gray, MA



# **Nutrition & Exercise Physiology**

## **Graduate programs**

**Colleges of  
Human Environmental  
Sciences; Medicine; and  
Agriculture, Food and Natural  
Resources**



University of Missouri

## **Overview**

Welcome! The **Nutritional Sciences Graduate Program (NSGP)** at the University of Missouri provides world class training that can open the door to a wide variety of career opportunities in the life sciences. We offer outstanding training that will help you achieve your career goals. Our graduate program is part of a campus-wide network of research programs that provides integrative reserach in the biomedical sciences.

Our department has a long tradition of educational excellence at the undergraduate and graduate level. We have **two outstanding graduate programs (Nutritional Sciences and Exercise Physiology)** both offering MS and PhD degrees. These programs provide outstanding educational and cutting edge research opportunities for our students in the areas of nutrition, physical activity, exercise, and its relationship to human health and disease. Our research programs are grant funded both nationally and locally and include research in:

- Human exercise physiology and metabolism
- Cardiovascular physiology
- Bone density and exercise
- Vitamin D and bone growth
- Lipid and carbohydrate metabolism
- Molecular mineral nutrition
- Obesity research.