**NUTRITIONAL SCIENCES**

**DEGREES/MAJORS, DOCTORAL MINORS, GRADUATE PROFESSIONAL CERTIFICATES**

- Clinical Nutrition, M.S. ([http://guide.wisc.edu/graduate/nutritional-sciences/clinical-nutrition-ms/](http://guide.wisc.edu/graduate/nutritional-sciences/clinical-nutrition-ms/))
- Nutritional Sciences, M.S. ([http://guide.wisc.edu/graduate/nutritional-sciences/nutritional-sciences-ms/](http://guide.wisc.edu/graduate/nutritional-sciences/nutritional-sciences-ms/))
- Nutritional Sciences, Ph.D. ([http://guide.wisc.edu/graduate/nutritional-sciences/nutritional-sciences-phd/](http://guide.wisc.edu/graduate/nutritional-sciences/nutritional-sciences-phd/))

**PEOPLE**

**FACULTY**

**MEMBERS OF THE INTERDEPARTMENTAL GRADUATE PROGRAM IN NUTRITIONAL SCIENCES WITHIN THE DEPARTMENT**

**Eide, Dave** (Department Chair), Professor of Nutritional Sciences; Ph.D., 1987. Nutritional genomics and molecular responses to changes in nutrient status

**Eisenstein, Richard**, Professor of Nutritional Sciences; Ph.D., 1985. Iron metabolism; posttranscriptional control of proteins required for the uptake, storage, and use of iron

**Fan, Jing**, Assistant Professor of Nutritional Sciences, Ph.D., 2014. Cancer metabolism; metabolic regulation in dynamic mammalian systems

**Groblewski, Guy**, Professor of Nutritional Sciences; Ph.D., 1991. Intracellular signal transduction and membrane/protein trafficking in gastrointestinal epithelial cells

**Kuchina, Adam**, Assistant Professor of Nutritional Sciences; Ph.D., 2017; Muscle and Protein Metabolism; Understanding how disease affects muscle protein metabolism and muscle assessment techniques

**Lai, Huichuan**, Professor of Nutritional Sciences; Ph.D., R.D., 1994. Epidemiological studies linking nutrition and disease outcomes in pediatric populations

**Ney, Denise**, Professor of Nutritional Sciences; Ph.D., 1986. Nutritional management of phenylketonuria and gastrointestinal physiology

**Ntambi, James**, Steenbock Professor of Nutritional Sciences (also Biochemistry); Ph.D., 1985. Mechanisms of fat cell differentiation; regulation of gene expression by dietary and hormonal factors

**Olson, Beth**, Associate Professor, Ph.D. – Nutrition, University of California at Davis. Breastfeeding support and improving infant feeding practices

**Parks, Brian**, Assistant Professor of Nutritional Sciences, Ph.D., 2008. Systems genetics, Gene-diet interactions, and molecular mechanisms of obesity and diabetes

**Schoeller, Dale**, Faculty Emeritus; Ph.D., Biochemical & Molecular Nutrition; Human Nutrition; Energy metabolism and human obesity, body composition, and stable isotope techniques for macronutrient metabolism

**Sunde, Roger**, Professor of Nutritional Sciences; Ph.D., 1980. Selenium deficiency as a model for nutrient regulation of gene expression; molecular mechanism of selenium regulation and homeostasis; biochemical functions of selenium

**Tanumihardjo, Sherry**, Professor of Nutritional Sciences; Ph.D., 1993. Vitamin A assessment methodology; carotenoid bioavailability; and international nutrition

**Yen, Eric**, Assistant Professor of Nutritional Sciences; Ph.D. 2000. Intestine, assimilation of dietary fat, and energy balance

**MEMBERS OF THE INTERDEPARTMENTAL GRADUATE PROGRAM IN NUTRITIONAL SCIENCES FROM OUTSIDE THE DEPARTMENT:**

**Anderson, Rozalyn**, Assistant Professor, Ph.D., 2000. Nutrient sensitive regulatory pathways in aging and age-associated disease

**Armentano, Louis**, Professor of Dairy Science; Ph.D., 1982. Ruminant nutritional physiology and the role of ruminants in using by-products derived from processing plants for human use

**Attie, Alan**, Professor of Biochemistry; Ph.D., 1980. Cell biology of lipoprotein assembly; genetics of obesity and diabetes

**Binkley, Neil**, Associate Professor of Medicine, M.D. 1979. Vitamin K insufficiency and osteoporosis

**Carey, Hannah**, Professor of Veterinary Medicine; Ph.D., 1983. Gastrointestinal physiology; intestinal adaptation; mammalian hibernation and its application to biomedicine; cellular and physiological responses to stress

**Clagett-Dame, Margaret**, Professor of Biochemistry and Pharmaceutical Sciences; Ph.D., 1985. Vitamin A and nervous system development; therapeutic uses of retinoids and vitamin D analogs

**Combs, David**, Professor of Dairy Science; Ph.D., 1985. Ruminal digestion and metabolism of forages by dairy cattle; food intake regulation in ruminants

**Crenshaw, Thomas**, Professor of Animal Science; Ph.D. 1980. Skeletal tissue growth and assessment; statistical approaches to establishment of mineral and amino acid requirements; swine nutrition


**Denu, John**, Professor of Biomolecular Chemistry; Ph.D. 1993. Investigation of the proposed “Histone Code”; understanding the mechanisms of enzymes that reversibly modify proteins and the effects of these modifications on protein function
Engin, Feyza, Assistant Professor of Biomolecular Chemistry; Ph.D., 2007. Investigating the molecular mechanisms of organelle dysfunction and cellular stress responses in the pathogenesis of diabetes

Funk, Luke, Assistant Professor of Surgery. 2005 MD, Ph.D., FACS. Bariatic and metabolic surgery, esophageal and gastric disorders, abdominal wall hernias and gall bladder disorders

Goldman, Irwin, Professor of Horticulture; Ph.D. Vegetable breeding and genetics, human health attributes of vegetable crops and breeding of vegetables for culinary quality

Hayes, Colleen, Professor of Biochemistry; Ph.D., 1973. Vitamin D regulation of immune function and autoimmune disease; genetic and biochemical analysis of B-lymphocyte survival and apoptosis signaling

Hernandez, Laura, Assistant Professor of Dairy Science; Ph.D. 2008. Regulation of lactation and milk synthesis in relation to the autocrine, paracrine, endocrine and serotonin systems. Regulation of mammary gland calcium transport and maternal calcium homeostasis during lactation

Kanarek, Marty, Professor of Population Health Sciences and Environmental Studies; Ph.D., 1978. Environmental epidemiology; potential population health effects from consumption of fish contaminated with mercury, PCBs, and other chemicals

Karasov, William, Professor of Wildlife Ecology; Ph.D., 1981. Molecular mechanisms of intestinal enzyme adaptation, intestinal absorption, nutritional ecology of wild vertebrates

Kemnitz, Joseph, Professor of Cell and Regenerative Biology (also Director for Translational Technologies and Resources for Institute for Clinical and Translational Research); Ph.D., 1976. Regulation of energy balance; consequences of energy imbalances in early development and aging; nonhuman primate models

Kimple, Michelle, Assistant Professor of Medicine; Ph.D. 2003. Pancreatic beta-cell response to nutrient and hormonal stimulation

Kling, Pamela, Associate Professor of Pediatrics; M.D. 1985. Erythropoiesis, iron metabolism and roles of erythropoietin in early development

Knoll, Laura, Associate Professor of Medical Microbiology & Immunology; Ph.D. 1994. Using -omics technology to study host/ pathogen interactions and metabolism of the intracellular parasite Toxoplasma gondii

Kudsk, Kenneth, Professor of Surgery; M.D., 1975. Effect of route and type of nutrition on surgical outcome; mucosal immunity and response to infection

Lamming, Dudley, Assistant Professor of Endocrinology, Diabetes, and Metabolism; Ph.D., 2008. Protein regulation of cellular processes that affect growth, metabolism, and aging

Mares, Julie, Professor of Ophthalmology; Ph.D., 1987. Epidemiological study of relationships between diet and age-related eye disease

Malecki, Kristen, Assistant Professor of Population Health Sciences, Ph.D. 2005. Epidemiological study of relationships between environment and health; system-science approaches to addressing health disparities, translational community base environmental health research

Merrins, Matthew, Assistant Professor of Medicine; Ph.D., 2008. Ability of pancreatic islet beta cells to trigger cell proliferation and release of insulin during periods of increased insulin demands

Pagliarini, Dave, Director of Metabolism, Morgridge Institute for Research; Associate Professor of Biochemistry; Ph.D., UC- San Diego. Integrating large-scale molecular profiling with mechanistic biochemistry to systematically annotate the functions of mitochondrial proteins


Reed, Jess, Professor of Animal Sciences; Ph.D. 1983. Flavonoids and other phytochemicals in animal and human health and nutrition

Reeder, Scott, Professor. MD. Ph.D. Abdominal adiposity, liver fat, liver iron overload and other features of diffuse liver disease, quantification of perfusion in liver tumors, hemodynamics of portal hypertension, and the use of new contrast agents in liver and biliary diseases

Schaefer, Daniel, Professor of Animal Sciences; Ph.D., 1979. Growth of beef cattle in grazing and feedlot systems

Simon, Philipp, Professor of Horticulture; Ph.D., 1977. Biochemical genetics and breeding of carrots, alliums, and cucumber; genetic improvement of vegetable culinary and nutritional value

Trentham-Dietz, Amy, Professor of Cancer Epidemiology. Ph.D. 1997. Modifiable lifestyle factors including obesity, physical activity, and environmental factors to better understand breast cancer etiology and reveal avenues for prevention

Westmark, Cara, Assistant Professor of Neurology. Ph.D. Alzheimer’s disease and fragile X syndrome focuses on the synaptic function of amyloid beta protein precursor (APP) and amyloid-beta

White, Heather, Assistant Professor of Dairy Science; Ph.D. 2010. Nutritional Physiology – Focus on hepatic carbon flux specifically during the coordinated responses to the transition to lactation, nutrition, and stress in dairy cattle and during onset and progression of NAFLD and NASH in humans

SUPPORT STAFF
Graduate Coordinator: Katie Butzen MS.Ed., kbutzen@wisc.edu