

NIH T32 Nutrition Research Fellowship

The objective of this interdepartmental program is to train the next generation of physician scientists and PhD researchers committed to disease prevention and health promotion through careers in Nutrition. As suboptimal diets contribute the major share of modifiable mortality and health risks globally, the rationale for an outstanding nutrition research workforce is compelling. The training program, based in a major academic medical center, addresses 3 broad themes: 1) obesity and its co-morbidities; 2) nutrition, diet and eating behavior; and 3) lifecourse and development.

Program faculty in the Departments of Pediatrics, Medicine, College of Nursing, and the Colorado School of Public Health on the Anschutz Medical Campus provide the foundation of nutrition research. Areas of interest include obesity and energy balance; behavioral research related to eating & obesity; health promotion & nutrition education; implementation science; molecular, genetic, and environmental basis of insulin resistance and Type 2 diabetes; micronutrient homeostasis and effects of nutrient deficiency states; global nutrition; maternal and fetal nutrient utilization; fetal origins of adult disease, human aging; and the epidemiology of nutrition-related conditions.

Program Description

The training program is for MD fellows seeking research training and for post-doctoral PhD trainees. Research trainees are expected to spend a minimum of 80% effort on their research & training activities. In addition to developing their research project, trainees will acquire:

Knowledge and skills in basic research methods

- Development of critical thinking skills related to research design and interpretation
- Principles of Nutrition Science
- Training in the ethical conduct of research
- Research skills necessary to prepare and submit a mentored grant application

Many physician fellows elect to complete coursework for a Master's degree in Public Health or Clinical Science during their fellowship.

Each fellow works with an identified mentor and also a mentoring committee made up of 3 additional program faculty who help to guide the fellowship experience. A committee-approved proposal of the research plan to be undertaken is required at the end of the fourth month of the first year. Formal presentation of progress will be required through the nutrition seminar series (once yearly) and the fellow's scholarship oversight committee (biannually).



"The Nutrition T32 has had a critical impact on my career trajectory. The training introduced me to invaluable mentorship relationships and provided the "hands-on" experience in study design and management that has been foundational to my success."

— Bridget Young, Assistant Professor
University of Rochester, former T32 fellow



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NUTRITION RESEARCH FELLOWSHIP



University of Colorado
Anschutz Medical Campus

NIH-NIDDK T32 Institutional Training Program in Nutrition



Training Faculty

University of Colorado School of Medicine

Department of Pediatrics

- Nancy F. Krebs, MD, MS (PI)
- Richard E. Boles, PhD
- Kristen E. Boyle, PhD
- Laura D. Brown, MD
- Glenn T. Furuta, MD
- Matthew Haemer, MD, MPH
- Susan L. Johnson, PhD
- Noel Mueller, Noel T, PhD, Mph, FAHA
- Theresa Powell, MD
- Paul Rozance, MD
- Darleen Sandoval, PhD
- Kartik Shankar, PhD
- Minghua Tang, PhD
- Darcy A. Thompson, MD

Department of Medicine

- Linda Barbour, MD, MSPH
- Bryan Bergman, PhD
- Daniel Bessesen, MD
- Joanne Cole, PhD
- Wendy Kohrt, PhD
- Paul MacLean, PhD
- Edward L. Melanson, PhD

University of Colorado College of Nursing

- Teri Hernandez, PhD, RN

Colorado School of Public Health

- Dana Dabelea, MD, PhD

Training Environment

The University of Colorado Anschutz Medical Campus in Aurora is one of the world's premier education, research, and patient care facilities. The state-of-the-art campus consists of three zones that promote collaboration and innovation: an education zone with remarkable facilities for training future physicians and other health professionals; a research zone with groundbreaking, internationally renowned translational research, including an NIH-funded Nutrition Obesity Research Center, NIH Diabetes Research Center, and a clinical care zone with the University of Colorado Hospital and Children's Hospital Colorado, the University of Colorado School of Medicine's primary adult and pediatric hospital partners, nearby. These have been joined by the new adjacent Veteran's Affairs Medical Center.

The campus is also home to the Colorado School of Public Health and Colorado Clinical Translational Science Institute.

This training environment promotes collaborative research and fosters productive interactions between physicians and PhD researchers, a model that prepares trainees to be exceptionally well positioned to emerge as future leaders in Nutrition to address the most compelling global health challenges.

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Are you a pediatrician? We have a Pediatric Clinical Nutrition Fellowship for physicians available. For more information please contact:

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Associate Professor of Pediatrics
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Aurora, CO 80045
E-mail: ClinicalNutrition@cuanschutz.edu



"The T32 program provided me a unique advantage and solid foundation to help facilitate my future success as an independent physician researcher."

— Martine Saint-Cyr, MD, Assistant Professor, Washington University, recent T32 fellow



Of recent past trainees, over 80% have progressed to careers in academic settings, and two-thirds have obtained grant funding such as NIH K99 awards, F32 awards, K Awards, and Foundation Funding.

Postdoctoral fellowship support is available for 2 to 3 years of research training through NIDDK-funded Nutrition Training Grant (T32 DK07658; PI: Nancy F. Krebs, MD).