

Research Technician Tufts University

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Posted May 7, 2025, set to expire Dec. 31, 2025

Job Title	Research Technician
Department	Human Nutrition Research Center on Aging
Institution	Tufts University Medford, Massachusetts
Date Posted	May 7, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Nutrition and Dietetics
Job Website	https://jobs.tufts.edu/jobs/21554?lang=en-us&iis=Job+Board&iisn=AcademicKeys
Apply By Email	
Job Description	

Overview

The mission of the USDA Human Nutrition Research Center on Aging at Tufts University (HNRCA) is to promote healthy aging through nutrition science to empower people seeking to enjoy long, active, and independent lives. HNRCA investigators examine how nutrition and physical activity play a role in the prevention of the major chronic degenerative conditions and diseases associated with aging.

The Diet and Chronic Diseases of Aging research directive focuses on advancing the scientific basis for how diet quality and physical activity influence cellular function, physiology, metabolism, and eating behaviors. Critical to achieving this goal is to elucidate mechanisms of action and identify physiologic states that modify age-related chronic disease initiation and progression by expanding our knowledge of the underlying processes responsible for these relationships. This is achieved by conducting investigations to identify dietary patterns, specific foods and food components, and physical activities that promote healthy aging and prevent the progression of age-related chronic diseases. The success of this research will influence guidance on improving dietary patterns and

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increasing physical activity to promote healthy aging and reduce the physical toll and economic burden of age-related chronic diseases.

What You'll Do

This is a grant funded position and is not eligible for severance pay.

The Research Technician will be responsible for performing specialized analyses using gas chromatography (GC). Training will be provided, as needed. Specific responsibilities will include: lipid extraction from biological specimens and food samples, GC setup, analysis, integration and data entry; equipment maintenance; keeping records and assisting with routine laboratory work.

Essential Functions:

- Conduct laboratory experiments including but not limited to fatty acid, sterol, and bile acid analyses, following training using established protocols.
- Perform GC sequence setup, integration, data entry and GC maintenance.
- Record results and maintain accurate records of experiments.
- Assist with routine laboratory work such as inventory control, sample tracking, order supplies and update freezer inventory.
- Assist with monitoring of quality control and lab safety protocols, including satellite accumulation area (hazardous and biohazardous waste disposal).
- Other duties as directed by the PI.

What We're Looking For

Basic Requirements:

- Bachelor's degree in science with up to one-year laboratory experience

Preferred Qualifications:

- Familiarity with basic laboratory techniques and procedures
- Familiarity with MS office suite
- Ability to analyze data using basic statistics
- Strong organizational skills

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- Ability to work independently, and also collaboratively as part of a team
- Ability to be flexible with work hours to meet project needs

Pay Range

Minimum \$20.10, Midpoint \$23.90, Maximum \$27.70

Salary is based on related experience, expertise, and internal equity; generally, new hires can expect pay between the minimum and midpoint of the range.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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