

POSTDOCTORAL POSITION

A postdoctoral research opportunity is available with the Methods and Application of Food Composition Laboratory (MAFCL), Beltsville Human Nutrition Research Center, Agricultural Research Service (ARS), U.S. Department of Agriculture (USDA), located in Beltsville, Maryland. This appointment will be through a University.

Research Project: The mission of the Analytical Methods Research Group (AMR) at MAFCL, is to improve the breadth and quality of composition data by developing, validating, and disseminating new analytical technologies that can be used in identifying and quantifying food components as well as verifying the identity of food materials. The laboratory is equipped with the latest technology, including Orbitrap 240 high-resolution mass spectrometer (HRMS, Thermo Scientific) attached to a Vanquish dual LC, multiple Agilent 1290HPLC systems attached to a single quad mass spectrometer, a near-infrared spectrophotometer, Ankom fiber analyzer, ion chromatography, and several other types of laboratory equipment.

Qualifications:

The qualified candidate should have received a doctoral degree in chemistry or food and agriculture sciences.

Preferred skills:

- Experience in working with high-resolution mass spectrometry and chromatographic separation
- Experience in the collection and analysis of large analytical metabolomic datasets and data mining approaches
- Experience in the analysis of major food components such as carbohydrates and other secondary metabolites
- Strong statistical, computational, and analytical skills
- Strong oral and written communication skills
- Practical knowledge of agricultural sciences, biology, or a similar field is beneficial

A complete application consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student's academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. All transcripts must be in English or include an official English translation.
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional recommendations

All documents must be in English or include an official English translation.

Anticipated Appointment Start Date: As soon as a qualified candidate is identified.

Appointment Length: The appointment will initially be for two years. It may be renewed on the availability of funds.

Level of Participation: The appointment is full-time.

Participant Stipend: The participant(s) will receive a monthly stipend commensurate with their educational level and experience.

Please email your completed application to Dave.Luthria@USDA.gov