



**Postdoctoral Scholar Position
Department of Food Science
Penn State**



Job Number: 61034

Link to Job on Job Website: <https://psu.jobs/job/61034>

Job Title: Postdoctoral Scholar
Department: Food Science
Work Unit: Agricultural Sciences
Campus Location: UP

Announce Start Date: 12/9/2015
Closing End Date: Until Filled

A postdoctoral position in the Department of Food Science is available in the Food For Gut Health Laboratory at Penn State University under Dr. Jairam Vanamala. Please see Dr. Vanamala's profile at: <http://foodscience.psu.edu/directory/juv4>. The laboratory employs both in vitro and in vivo models, and employs 'omics' approaches in conjunction with cellular and molecular techniques to determine anti-inflammatory and anti-cancer properties of whole foods and complex mixtures, and of individual plant bioactive compounds. Dr. Vanamala's long-term research goal is to optimize the health profiles of food products and provide modern evidence for ancient wisdom on diet and disease. List of publications from the lab are present in the link above. The candidate should have demonstrated excellent scientific productivity evidenced by high-quality research publications, be able to conduct independent and creative research, and show good inter-personal and communication skills. The candidate is required to have PhD or equivalent degree in pharmacology, nutrition, food science, biochemistry and molecular biology or similar. Two-three publications as first or second author in a high-quality, peer reviewed international journals. Demonstrate enthusiasm, motivation, flexibility and confidence. Knowledge in two or more of the following areas would be considered an advantage: Colonic inflammation, cancer stem cells and colon cancer, rodent and/or porcine models, gut bacteria, metabolomics and proteomics methods data analysis/interpretation. Primary responsibilities are to conceive and conduct experiments to decipher processing effects on anti-inflammatory activity of food products using pig as a model. Disseminate research results through conferences and publications in peer-reviewed journals. Participate in grant writing and fellowship applications. Participate in lab meetings and journal clubs. Develop with the PI a rigorous post-doctoral training plan that can lead to research independence. Interested applicants should upload a CV and cover letter. Review of applications will begin December 21, 2015 and continue until a suitable candidate is identified.

Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.