PLANTS FOR HUMAN HEALTH INSTITUTE, NCSU

Tenure Track Faculty Positions
Closing Date: October 1, 2015 (or until suitable candidate is found)

The PHHI is one arm of an integrated research team at the North Carolina Research Campus (NCRC) in Kannapolis, North Carolina which hosts, in addition to NCSU, six other UNC system universities as well as Duke University.

Currently we are inviting applications for faculty with research in the areas of Regenerative Medicine, Translational Nutrition and Food Allergies/Immunology.

1. Regenerative Medicine (Position 00104960)
We are seeking applicants at the assistant/associate/full professor level to conduct research in the arena of phytoactive compounds and wound healing/regeneration. The successful candidate is expected to develop a transdisciplinary research program to explore strategies for modulating skin elasticity regeneration of organs and tissues with plant-based phytochemical interventions. Research focus will be relevant to the cosmetics and skin allergy fields, and will interface with related industries and clinical operations. This faculty member is also expected to interact closely with other faculty in a team approach to explore novel plant compounds for these applications. (https://jobs.ncsu.edu/postings/55782)

2. Translational Nutrition and Food Sciences (Position 00104962)
We are seeking applicants at a senior (associate or full professor) level to develop a broad-based research program on the interface between nutrition and health protective phytochemicals (phytoactive compounds) in edible plants. The successful candidate will be expected to develop a nutritional translation laboratory which would include both analytical and pilot scale functional food processing instrumentation. The candidate will interface with existing resident faculty on campus in the arenas of pharmacogenomics, phytochemical analysis, bioavailability, systems biology, postharvest and metabolomics in order to assess new plant-based discoveries for human health and expedite translation into food or supplement/product deliverables for clinical, consumer, and developing world applications. (https://jobs.ncsu.edu/postings/55792)

3. Food Allergies/Immunology (Position 00104961)
We are seeking applicants and the assistant/associate/full professor level to conduct research in the arena of food allergies (e.g. peanut, milk, soy, etc.) and use of phytoactive strategies to attenuate allergenicity or human sensitivity to allergies. The successful candidate will apply in vitro, animal, and/or clinical systems approaches to build and test predictive models of allergenicity, and investigate mechanisms of phytoactive compound interactions with allergenic proteins in food products as well as in post-digestive complexes. The selected individual will interact closely with other faculty groups in a team approach to discern mechanisms of action related to attenuation of the allergic response. (https://jobs.ncsu.edu/postings/55786)

Ph.D. required in specified or related field. Appointees may be competitive for David H. Murdock Distinguished Professorships within the Institute. Successful applicants will have appointments in an NCSU department within the College of Agriculture and Life Sciences (CALS). The College of Agriculture and Life Sciences is one of the largest Colleges at NCSU with over 500 faculty.
distributed among 22 academic departments.

The Plants for Human Health Institute (PHHI) at North Carolina State University (NCSU) is seeking up to three new tenured or tenure-track faculty members to join a unique transdisciplinary research team. The PHHI’s research aims to pioneer a dramatic shift in the use of plant food crops, not just as a source of nutrients and calories, but as a source of bioactive plant components that protect and enhance human health. Integrated research in metabolomics, biochemistry, pharmacogenomics, breeding, molecular biology, postharvest attributes, and phytochemistry will be geared towards development of fruit and vegetable produce with pharmacologically-relevant levels of health-protective phytochemical complexes. The ultimate goal is to develop and characterize existing as well as new candidate crops with unique merit for human health and wellness. PHHI faculty seek to link discovery and translational research through a common focus and close collaboration between basic and applied scientists. To facilitate this unprecedented research agenda, PHHI faculty have full access to state-of-the-art facilities, base operating support, and in-house expertise supporting genomic, proteomic, nutrigenomic, and metabolomic research, and are expected to conduct innovative, highly competitive independent research, to participate in interactive team efforts, and to obtain significant external funding to support the research mission. At final capacity, the PHHI will house 15 T/TT faculty members and their research teams, along with relevant industry partners.

To apply, visit http://jobs.ncsu.edu or the specific reference links above for each position. Please submit curriculum vitae, summary of current and proposed research programs, and contact details for 5 references. For questions or additional information, please contact Tara L. Vogelien, Director for Business & Research Administration, Plants for Human Health Institute, Tara_vogelien@ncsu.edu, 704.250.5401.

AA/EOE. In addition NCSU welcomes all candidates regardless of sexual orientation.