

Post-doctoral position available:

The candidate is expected to carry out dielectric properties measurements on biological materials over a broad microwave frequency range, collect and analyze data, and propose models correlating dielectric properties with physical-chemical parameters characterizing the materials. In particular, the candidate will focus on studying the dielectric response of poultry meat, grain and seed, and nuts. To achieve these goals, the candidate needs to have a good understanding of the electromagnetic wave-material interaction, a strong Electrical Engineering, Physics or Physical Chemistry background, and skills in mathematics and modeling.

The candidate will work in the Quality and Safety Assessment Research Unit, Agricultural Research Service, U. S. Department of Agriculture, at the Richard B. Russell Agricultural Research Center, Athens, GA. Compensation includes a salary of \$56,000 and benefits. The position is funded for one year, and the appointment can be extended for a second year depending on performance and available funding. Employment is restricted to U. S. citizens and citizens of countries currently allied with the United States in the current defense effort.

Those interested should contact Dr. Samir Trabelsi, 706-546-3157 samir.trabelsi@ars.usda.gov.