POSTDOCTORAL RESEARCH ASSOCIATE Oct. 2, 2020

The USDA, Agricultural Research Service, Invasive Insect and Behavior Laboratory in Beltsville Agricultural Research Center, Beltsville, Maryland is seeking a POSTDOCTORAL RESEARCH ASSOCIATE, Research Entomologist for ONE YEAR APPOINTMENT with possibility of extension. Position is available immediately. Ph.D. is required. Salary is commensurate with experience $72,030 per annum, plus benefits. The incumbent will conduct chemical ecology (mainly in semiochemical identification) and toxicology to develop efficient crop protection tools for management of invasive species, e.g., brown marmorated stink bug (BMSB), spotted wing drosophila (SWD), cocoa pod borer (CPB), as well as pest control tools for insect of medical importance, e.g., mosquitoes, bedbugs, and ticks. The assignment is to use approaches of analytical and biological to: 1) identify, synthesize, and modify sustainable natural products that can be used to protect crop damage from insect pest, e.g. attractants, feeding deterrents/repellents, pesticides; 2) evaluate attractive activities and toxicities of candidate compounds under the laboratory and field conditions; 3) develop application tools using sustainable attractants, feeding deterrents/repellents, and pesticides against the insect pests; 5) write manuscript for publication; and 6) work with commercial companies to enable rapid commercialization of technologies. The position requires a recent Ph.D. with knowledge of chemical ecology, entomology, toxicology, and skill in the use of statistical analysis software. Send application and references to Dr. Aijun Zhang, **USDA, Agricultural Research Service,** Invasive Insect Biocontrol and Behavior Laboratory, Bldg. 007, Rm. 303, BARC-West, 10300 Baltimore Ave., Beltsville, MD 20705-2350. Tel: 301-504-5223 (Office), E-mail: [aijun.zhang@usda.gov](mailto:aijun.zhang@usda.gov)**. *USDA/ARS is an equal opportunity employer and provider***