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Currently Senior Program Officer for Vector Control in the Malaria and Neglected Infectious Diseases Programs, Global Health Division, Bill and Melinda Gates Foundation. Served as National Program Leader for Veterinary, Medical, and Urban Entomology, and Acting Director of Overseas Biological Control Laboratories, Agricultural Research Service, U.S. Department of Agriculture, 2006-2014. From 2003-2006, served at a county, operational level as Vector Ecologist for Santa Clara County Vector Control District, San José, CA.

Completed 22 years of military service (highest rank: Colonel, Medical Service Corps, US Army; highest medal: Legion of Merit) as Chief, Department of Entomology, Walter Reed Army Institute of Research. Entered the military in 1981 as a Captain in the U.S. Air Force, transferred to the Army in 1984. Served in Peace Corps in Paraguay from 1978 to 1980. Received Ph.D. in entomology in 1978, M.S. in 1976 from the University of Illinois, the late Dr. William Horsfall as adviser. Graduated (B.A., biology) with Highest Honors (Valedictorian) from the University of California, Riverside, in 1974. Attended Dartmouth College, Hanover, NH, 1971-1973 before transferring to UCR. Author of a total of 110 peer reviewed publications (43 as senior author), 12 book chapters, and three books (*Insect Repellents: Principles, Methods, and Uses*, co-editor; *Prevention of Bug Bites, Stings, and Disease*, first author; *Insect Repellents Handbook*, co-editor).

Key career accomplishments include: Systematized larval movement of mosquitoes, providing a practical tool for field identification; Isolated drug resistant pathogen of scrub typhus (*Orientia tsutsugamushi*) and defined its characteristics in the laboratory; Discovered the effect of magnetic fields on mosquitoes; Revised the taxonomy of *Culex stigmatosoma*, the second-most abundant mosquito in California; Eradicated *Aedes aegypti* from a Thai village without the use of insecticides, eliminating dengue virus transmission; Led the military preventive medicine team during Operation Enduring Freedom, achieving the lowest rate of disease non-battle injury during any conflict in U.S. history; Eradicated an infestation of *Aedes albopictus* from Santa Clara County, California; Co-inventor of RNAi insecticide for mosquito control.