

R. Martin Roop II (Marty)



Marty Roop received a B.S. in Biology in 1979 and Ph.D. in Microbiology in 1985 from Virginia Tech. After postdoctoral work at the Virginia-Maryland Regional College of Veterinary Medicine, he joined the faculty of the department of microbiology and immunology at the University of Arkansas for Medical Sciences in 1988 as an assistant professor. Dr. Roop moved to the department of microbiology and immunology at Louisiana State University Health Sciences Center - Shreveport in 1992, and later joined the department of microbiology and immunology at Brody School of Medicine at East Carolina University in 2001 where he presently holds the rank of Professor.

The work in Dr. Roop's laboratory addressing how the bacterial pathogen *Brucella abortus* produces disease in its mammalian hosts has been funded by the National Institute of Allergy and Infectious Diseases (NIAID), the United States Department of Agriculture and/or the United States Army Medical Research and Materiel Command since 1990.

Dr. Roop has served on grant review panels for NIAID, the USDA and the National Science Foundation, is on the editorial board of *Infection and Immunity* and serves as an *ad hoc* reviewer for numerous scientific journals covering the fields of microbiology and infectious disease research including *Molecular Microbiology* and *Journal of Bacteriology*.

The efforts of students, postdoctoral fellows and research associates have been the driving force behind the contributions that the Roop laboratory has made to field, and the laboratory presently consists of 2 Ph.D. students, 2 M. S. students and 3 postdoctoral fellows. These individuals, along with two research associates and a faculty collaborator, are currently investigating how the brucellae successfully adapt to the harsh environmental conditions they encountered during their intracellular residence in host macrophages.