Contributors

Thomas C. Berg, DVM, MPH, DACVPM, is a Senior Scientist for Biosecurity and Public Health, Medical Readiness and Response at Battelle. Dr. Berg's most recent work has been in biosecurity and public health programs in homeland security, force health protection and agriculture biosecurity to defend against chemical, biological, radiological, nuclear and high-yield explosive (CBRNE) hazards to the Department of Defense, the livestock industry and other federal, state, county, and city government agencies. Dr. Berg has nearly 31 years of military experience (enlisted and officer) in the Navy, Air National Guard, and Air Force. He served 14 years in the Navy and in Air National Guard units as an avionics technician and aircraft maintenance officer, and served 17 years in the Air Force as a public health officer in a variety of assignments. During his career, Dr. Berg managed health risk assessment programs and the public health/preventive medicine aspects of occupational and environmental health consultation for military bases worldwide. He served as the chief of biomedical lab transition (technology transition) and Deputy Site Commander for the Air Force Research Laboratory's (AFRL) Human Effectiveness Directorate. Dr. Berg was also the principal investigator on a project designed to enhance the protection, identification, response, mitigation, and recovery capabilities of a major livestock industry by developing solutions to capability gaps. He is a practicing veterinarian specializing in small animal medicine and surgery. Dr. Berg earned his BS

in Animal Science and Zoology at South Dakota State University; his DVM at Kansas State University; and MPH at the Uniformed Services University of the Health Sciences. Dr. Berg is also a Diplomate, American College of Veterinary Preventive Medicine (DACVPM).

Jim A. Davis, DVM, DrPH, DACVPM, is a Senior Program Manager for Battelle. Dr. Davis served 22 years in the Army and Air Force. His last assignment was as the Deputy Director of the USAF Counterproliferation Center. Previously, Dr. Davis was the AF Surgeon General's Chair to Air University. Before coming to Air University, he was the Commander, 48th Aerospace Medicine Squadron at RAF Lakenheath, UK. He also served as UK Medical Intelligence Officer and USAFE Consultant for Public Health. Dr. Davis served 4 years in the U.S. Army Veterinary Corps, 6 years in private veterinary medicine, and was in the Air Force since 1987. His areas of special interest include Chemical and Biological Warfare, bioterrorism, and occupational epidemiology. Dr. Davis has several academic degrees including a Doctorate of Veterinary Medicine from Texas A&M and a Doctorate of Public Health from the University of Texas. He is board certified with the American College of Veterinary Medicine.

Robert P. Ellis, PhD, is the Colorado State University Biosafety Officer, and Professor, Department of Microbiology, Immunology and Pathology, Colorado State University, Fort Collins, CO. Dr. Ellis has organized and taught courses for the Eagleson Institute, American Biological Safety Association (ABSA) Summer Seminar Series, and the ABSA Annual Meeting (Arboviral Vector Containment in the BSL-3 Laboratory; and Design, Construction, and Management of a BSL-3 Laboratory Building). He initiated a 2 credit, graduate/undergraduate course at Colorado State University: Biosafety in the Research Laboratory. He earned his BS at the University of Wyoming, Laramie, (Microbiology), and his MS in Veterinary Microbiology and PhD in Immunology at Purdue University, West Lafayette, Indiana. Dr. Ellis is a Certified Biological Safety Professional, a Diplomate of the American College of Microbiology (Specialist Microbiologist, Biological Safety) and a Diplomate, American College of Veterinary Microbiologists (Honorary). He is the Executive Director of the Conference of Research Workers in Animal Diseases, and

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John R. Herbold, DVM, PhD, MPH, DACVPM is Associate Director of the Center for Biosecurity and Public Health Preparedness, University of Texas Health Science Center at Houston, and Associate Professor of Epidemiology, University of Texas School of Public Health Regional Campus at San Antonio. He holds an active commission in the Texas State Guard as Officer in Charge, Veterinary Unit, Alamo Group, Texas Medical Rangers. John Herbold's previous positions include: Defense Science Board ad-hoc Task Force on SARS Quarantine; Chair, Occupational & Environmental Sub-Committee Armed Forces Epidemiological Board; Senior Policy Analyst for Preventive Medicine and Health Promotion, Office of the Assistant Secretary of Defense (Health Affairs); Chief Scientist for the Air Force Armstrong Laboratory Directorate of Aerospace Medicine; Vice Commander, USAF Occupational and Environmental Health Laboratory; Chief of Disease Surveillance, USAF School of Aerospace Medicine; Medical Intelligence Officer, HQ U.S. Air Forces Europe (USAFE); Chief, Environmental Medicine Branch, HQ USAFE; Assistant to the Command Veterinarian, HQ USAFE; Chief of Veterinary Services, Zweibrucken Air Base, FRG; Chief of Veterinary Public Health, Hanscom Field, MA. John Herbold is a Fellow of the American College of Epidemiology and Diplomate of the American College of Veterinary Preventive Medicine. He was awarded Bachelor of Science and Doctor of Veterinary Medicine degrees from Texas A&M University, the Master of Public Health from the University of North Carolina at Chapel Hill, and the Doctor of Philosophy (Epidemiology) from The Ohio State University.

Colonel Donald L. Noah, USAF, DVM, MPH, DACVPM currently serves as the Department of Defense Liaison to the Centers for Disease Control and Prevention in Atlanta, Georgia. Col Noah's military

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Lieutenant Colonel Brian V. Noland, USA, DVM, MPH, DACVPM, is the Command Veterinarian, U.S. NORTHCOM, Peterson AFB, CO. LTC Noland is the subject matter expert for agricultural and food issues at U.S. Northern Command in Colorado Springs, CO. LTC Noland's previous assignments include Chief, Current Operations and Facilities Division, U.S. Army Veterinary Command, Fort Sam Houston, TX; Assistant to the Chief, Veterinary Corps, Fort Sam Houston, TX; Chief, UK/Ireland Division, Northern Europe Veterinary Detachment, RAF Feltwell, United Kingdom; Deputy Commander, Northern Europe Veterinary Detachment, Darmstadt, Germany; Deputy Commander, 110th Medical Detachment (VS), Frankfurt, Germany; Chief, Animal Medicine, Presidio of San Francisco, CA; Officer-in-Charge, Team E, 106th Medical Detachment, Taegu, S. Korea; and Chief, Animal Medicine Branch, Ft. Bragg, NC. He graduated from Utah State University with BS degrees in Animal Science and Bioveterinary Science. He received a Doctor of Veterinary Medicine degree from Colorado State University and a Master of Public Health degree from the University of Texas. He achieved Diplomate status in the American College of Veterinary Preventive Medicine. He is a graduate of the U.S.D.A. Foreign Animal Disease Diagnostic School.

Wendie A. Phelps, BS, is a graduate research assistant and student at Colorado State University. As an undergraduate, Ms. Phelps worked part-time in the Animal Physiology and Meat Science laboratories. She also had the opportunity to work and travel internationally, partaking in a study abroad/internship program at the Scottish Agricultural College in Edinburgh, Scotland, and as an intern with the U.S. Meat Export Federation-Mexico located in Mexico City, Mexico. Ms. Phelps earned her bachelors degree in Animal Science at the University of Arkansas.

Barbara E. Powers, DVM, PhD, MS, is the Professor and Director, Diagnostic Laboratory, Department of Pathology, College of Veterinary Medicine and Biomedical Sciences, Colorado State University (CSU). Dr. Powers' previous positions include Associate Professor and Director, Diagnostic Laboratory, Department of Pathology, College of Veterinary Medicine and Biomedical Sciences, CSU; Associate Professor and Director, Diagnostic Laboratory, Department of Pathology, College of Veterinary Medicine and Biomedical Sciences, CSU; Associate Professor, Department of Radiological Health Sciences, College of Veterinary Medicine and Biomedical Sciences, CSU; Assistant Professor, Department of Radiology and Radiation Biology, College of Veterinary Medicine and Biomedical Sciences, CSU; Joint Appointment, Diagnostic Laboratory, College of Veterinary Medicine and Biomedical Sciences, CSU; post-doctoral fellow in Radiology and Radiation Biology, CSU. Dr. Powers holds a BS in Agriculture Science, MS in Veterinary Anatomy, and DVM from Purdue University; and a PhD in Veterinary Pathology from CSU. Dr. Powers is the Immediate Past-President, Colorado Veterinary Medical Association; and Vice-President, American Association Veterinary Laboratory Diagnosticians (AAVLD).

Lieutenant Colonel (Select) Tasha L. Pravecek, USAF, BSC, PhD, is the Chief of CBRNE Education, Research and Analysis at the USAF Counterproliferation Center. Previously, Lt Col (Sel) Pravecek was a student at Air Command and Staff College. She also served as the 354th Medical Group, Bioenvironmental Engineering Commander at Eielson AFB, AK. Other previous positions include Chief, Chemistry and Toxicology Branch, Air Force Center for Environmental Excellence,

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John A. Scanga, PhD, is an Assistant Professor and Extension Meat Specialist at Colorado State University, Ft. Collins, CO. He also oversees the day-to-day operations of the Meat Science Teaching Laboratory, where he conducts research pertinent pre-harvest, post-harvest and post-processing red meat safety, red meat quality, international trade issues and carcass disposal technologies. His previous research includes the use of postmortem marination treatments to improve beef tenderness and implicated the usefulness of these techniques in beef total quality and palatability management systems. In addition, Dr. Scanga's research from several commercial cattle feeding operations which included production records, feedlot performance data, and carcass performance allowed him to make recommendations to the beef industry to help feeders reduce economic losses due to dark cutting beef. Dr. Scanga was appointed to the Editorial Board for the Journal of Animal Science in 2002. He sits on the Colorado Beef Quality Assurance Council, the American Society of Testing and Measures F10 Committee on Livestock, Meat and Poultry Evaluation Systems, CSU's Public Policy Institute and the advisory board for CSU's Veterinary Diagnostic Laboratory. Dr. Scanga earned his BS degree in Animal Science, MS degree in Meat Science, and PhD in Animal Science at Colorado State University.

Howard F. Schwartz, PhD, is a Professor of Plant Pathology & Associate Department Head, Department of Bioagricultural Sciences and Pest Management at Colorado State University (CSU). His current work emphasizes disease management of vegetable crops. Dr. Schwartz's previous positions include Associate Professor of Plant Pathology, CSU; Assistant Professor of Plant Pathology, CSU; and Senior Staff Scientist, Plant Pathologist, Centro Internacional de Agricultura Tropical

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