



Dr. Mitch Fadem – Training Lead (Key)

OVERALL QUALIFICATIONS RELATED TO SPECIFIC ROLES/RESPONSIBILITIES ASSIGNED

Dr. Fadem has 19 years of experience educating students teachers, military personnel and public health professionals in toxicology and environmental hazards. His skill as an educational administrator has been honored with Kent State University's (KSU) Dean's Award for Outstanding Leadership and Service (1998) and Advisory Board's Award for Outstanding Administrator of the Year (2002).

Skill Type
√ Development and implementation of biosafety-related training programs
Primary Worksite Location
√ Baku, AJ
Time Allocation
√ Full time

Dr. Fadem also brings 23 years of active and reserve military service for the USAF, National Guard, and Ohio Military Reserve as an active and reserve military officer overseeing medical laboratory operations and chemical and biological weapons threat reduction. His service awards include the Bronze Star Medal, Joint Service Commendation Medal, Air Force Commendation Medal, Air Force Outstanding Unit Award with Valor (twice), and the Ohio Military Reserve Medal of Valor—received for risking life and limb while coordinating the safe evacuation of over 6,000 people from an area filled with toxic airborne contaminants. He has a further 10 years of experience managing commercial laboratory operations, including service as a Laboratory Director / Vice President.

Dr. Fadem holds a PhD in Chemistry from Columbia Pacific University, California, and a BA in Music/Chemistry from KSU, Ohio. He has completed 30 hours of post-doctoral biochemistry research and study at KSU, as well as professional development courses in biochemical laboratory techniques, aerosol research, infectious disease control, pathogen identification, and chemical and biological weapons. He is certified as a HAZMAT Instructor (Levels D, C, B, A and Incident Commander), a Biological Safety Professional, and a Certified Environmental Specialist (Certification #9239). He fluently reads, writes, and speaks Russian, German, Spanish, Slovenian, and Dutch/Afrikaans.

Dr. Fadem is an accomplished researcher, author, and lecturer. He has authored successful grant proposals to international organizations including: USAF, USCG, ITC, AACC/ALO/USAID International Workforce Development, UNDP, and the State of Ohio Department of Education. He has authored chapters in technical books, technical and FOUO papers, and presentations on topics including Environmental Respiratory Diseases, Toxicology, Bioaerosol Reduction by Air Filtration, Highly Pathogenic Avian Influenza, Biological Toxin Threat Analysis, and Wide Area Aerial Application Decontamination, as well as International Educational Collaboration, Higher Education Partnerships, and International Partnerships in Environmental Technology. He has lectured and taught at the National University of Rosario (Argentina), Haraan Univesity (Turkey), Chinese Institute of Military Medicine (Bejing, China), National University of Uzbekistan (Tashkent, UZ), Novosibirsk State University (RU), and the Jozef Stefan Institute (Slovenia).

EXPERIENCE WITH SIMILAR TYPES OF WORK

Academic Program Director, Laboratory Technology, Environmental Technology, and Biotechnology Associate Degree Programs, KSU Trumbull Campus (KSUTC), Ohio. Wrote and taught 21 courses, including all biotechnology courses, and supervised all adjunct and part time faculty. Established innovative instruction techniques, including first-of-a-kind web-based courses. Wrote laboratory manual covering all lab operating procedures, quality control, biosafety, analytical procedures to perform analyses and testing. Identified and procured needed equipment for laboratory courses.

Director, Center for Emerging Technologies in Aerial Application Research (CETAAR), at KSUTC, Ohio. Directed CETAAR in performing research projects for the US military, DOE, and other institutions in partnership with scientists in RU, Argentina, Isreal, Turkey and UZ. Established a BSL-2+ laboratory facility at the university with full cell culture and microbiological capabilities. Worked with anthrax simulants testing various BW decontamination materials to establish thresholds for use. Primary materials tested were SNL's experimental material DF-100 and a product developed in Germany called GD-5.

Senior Health Care LNO to MPH and Sr. HAZMAT LNO to the MM, Afghanistan Campaign, Operation Enduring Freedom. Assisted MPH in developing training programs for personnel at the Afghanistan National Public Health Laboratory. Arranged training in hazardous materials identification, control and disposal for MM technical workers.

Visiting Full Professor, Faculty of Physics, National University of Uzbekistan, Voozgorodok, UZ. Presented a series of lectures over the course of several months on toxicology and hazardous materials handling to include detection, isolation, and decontamination. Taught university faculty how to teach HAZMAT courses. Established hazardous materials testing laboratory for the university. Work was funded through a special grant from USAID.