

KRISTIN C. DELEA, MPH, REHS

SUMMARY OF QUALIFICATIONS

- Proven ability to identify, analyze, and document community resources in order to implement appropriate programs
- Excellent communication and leadership skills whether working independently or as part of a team
- Registered Environmental Health Specialist
- Through knowledge of design, implementation, management and evaluation of community-based programs
- Mastery of MS Office Suite, Web /Internet Searches, EpiInfo, SAS, SUDAAN, Graphpad
- Fluent in Spanish, writing, reading and speaking and proficient in spoken Portuguese
- Cross-cultural knowledge applications within extensive work experiences in developing countries and diverse communities

PROFESSIONAL EXPERIENCE

- July 2007-Present **Department of Health and Human Services** Atlanta, Ga
Health Scientist – Emerging Leaders Program
- Aided in the design and construction of two survey tools to describe the environmental antecedents of foodborne illnesses
 - Conducted primary analysis on a dataset investigating environmental antecedents of food-borne illness outbreaks in nine states
- Oct 2005-July 2007 **Everclean Services** Atlanta, Ga
Food Hygiene Consultant
- Conducted food hygiene education and compliance audits for 11+ local restaurants to ensure proper food safety for public consumers
 - Trained restaurant managers and staff to improve food hygiene knowledge and proper practices in order to protect public health
- Sept 2005-June 2007 **Center for Neurodegenerative Diseases** Atlanta, Ga
Research Assistant
- Investigated effects of organochlorines and pyrethroids on the major protein which controls packaging of the neurotransmitters dopamine, norepinephrine, and serotonin in the brain by isolating synaptic vesicles from animals and performing radioligand uptake assays to assess transporter function and the abilities of these chemicals to cause disruptions in the brain
 - Characterized the IC50 concentrations for 20 compounds and described the kinetics for 10 compounds identifying Km and Vmax values to help identify the potential for these chemicals to reach biologically relevant concentrations in humans
 - Contributed to peer reviewed journal articles and produced a Master of Public Health thesis with data collected to contribute to knowledge about environmental contaminants and their role in neurodegenerative diseases, specifically Parkinson's disease
- May 2006-Aug 2006 **CARE Mozambique** Pemba, Mozambique
Consultant/Intern
- Conducted the first year evaluation for the HAUPA water initiative in northern Mozambique to chart progress and establish baseline values
 - Collected over 200 water samples from community water sources and household water storage to test the biochemical water quality
 - Designed and completed survey of community water sources including source type, GPS location, and condition to establish a baseline
 - Designed and conducted locally appropriate household survey on water use and sanitation in 114 households in 22 communities
 - Coordinated and trained local evaluation teams of 10+ people in survey design, sample collection, microbiological analysis, data analysis, and conducting training and program development using community participation, data collection, and conceptual frameworks
 - Designed and conducted technical training on water and sanitation focusing on identification and evaluation of potential routes of water contamination, community problem identification, and program design and evaluation
- Nov 2003-Aug 2005 **Florida Department of Health** West Palm Beach, FL
Environmental Specialist II Solid, Hazardous, and Biomedical Division
- Conducted over 500 hazardous waste and over 200 biomedical waste compliance and education inspections per year to protect community and environmental health
 - Investigated and abated complaints dealing with hazardous and solid waste to eliminate health and environmental risks
 - Conducted over 700 Medical Quality Assurance compliance inspections per year to ensure protection of public health
 - Participated as the environmental specialist for a disaster mitigation team to assess community needs for over 15 communities after two hurricanes and other emergency situations, specifically working with Hispanic communities
 - Wrote and managed 2 grants in All Hazards Training and Communication and Working in Diverse Cultures for public health workers
- Sept 2002-Nov 2003 **Community Sanitation Division**
Environmental Specialist I
- Completed food hygiene inspections and hygiene education training for staff at over 50 food establishments per quarter to ensure proper food safety for public consumers
 - Conducted foodborne illness investigations to identify and abate potential public health threats

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- Performed health compliance inspections for over 100 schools and mobile home parks bi-annually to maintain proper sanitary conditions
- Collected weekly blood samples from four sentinel chicken flocks contributing to the Arbovirus surveillance program in Palm Beach County
- Investigated and abated complaints and sanitary nuisances to improve community health and educate community members
- Investigated epidemiological and environmental aspects of malaria outbreak to identify and eliminate the public health threat
- Educated community in environmental health issues, such as sanitation and vectorborne illnesses to increase public health knowledge

May 2000-Dec 2000

United States Peace Corps

Republic of Panama

Technical and Cross-Cultural Trainer

- Designed and facilitated environmental education training programs in basic environmental and preservation issues, marine environments, preservation of rainforest, and agro forestry to increase knowledge of 100+ Peace Corps trainees/volunteers
- Implemented active learning techniques to improve the technical capacity of volunteers to use participatory education techniques, skills for working with communities and groups, conducting community assessment and impact studies, and project design and management for over 100 Peace Corps trainees/volunteers to increase the abilities of volunteers to work in community development
- Collaborated with international, national, and local organizations to educate and train volunteers about programs and projects in Panama and local communities resulting in integration of volunteers into all appropriate initiatives in Panama
- Designed and facilitated cross-cultural training programs for over 100 Peace Corps trainees/volunteers to increase cultural awareness and the ability of volunteers to be successful in diverse workplaces and situations
- Participated in program evaluations and implementation of new program designs to improve programs and meet needs of trainees

Mar 1998-May 2000

United States Peace Corps

Republic of Panama

Community Environmental Education Extension Agent

- Spearheaded community analysis to identify community needs and priorities to help community choose development programs
- Instructed over 1500 adults and students in environmental education, health, and protection; participatory education; self-esteem and conflict resolution; and evaluating community assets and needs to increase community knowledge and abilities
- Developed and aided in sustainable development projects within rural Panamanian communities
- Collaborated with national and international organizations to develop more than five community based environmental programs including recycling and reuse, solid waste management, water and soil conservation, agro forestry, environmental health and nutrition, community organization, and project design and management to contribute to sustainable community development
- Planned, implemented, funded, budgeted, and evaluated over ten seminars/conferences on Gender and Environmental issues in improve the conditions of adults and youth throughout Panama
- Served as President of Peace Corps Women and Gender in Development Committee (WIDGAD) to promote gender issues

Nov 1994-May 1996

Americorps

Memphis, Tn

Amerikids Student Coordinator

- Worked with over 40 students, Pre-Kindergarten to 6th grade, tutoring and teaching conflict resolution and peer mediation to improve the education and empower inner city children to become leaders in their community
- Oversaw and organized ten volunteers and collaborated between full-time and part time workers to build a successful program

EDUCATION

Aug 2005-May 2007

Emory University Rollins School of Public Health

Atlanta, Ga

Master of Public Health / Global Environmental Health

- Thesis: The Effect of PCBs and Pesticides on the Vesicular Monoamine Transporter 2

Aug 1993-May 1997

Rhodes College

Memphis, Tn

Bachelor of Science / Chemistry

Concentration in Biochemistry

CERTIFICATES

Registered Environmental Health Specialist (Registered Sanitarian)

Sept 2003

ACTFL - Advanced High in Spanish

Dec 2000

Conflict Resolution, Peer Mediation and Trainer of Trainers Certificate

Sept 1994

PUBLICATIONS

W. M. Caudle, J. R. Richardson, **K.C. Delea** et al. (2006). "Polychlorinated Biphenyl - Induced Reduction of Dopamine Transporter Expression as a Precursor to Parkinson's Disease - Associated Dopamine Toxicity." *Toxicological Sciences* 92(2): 490-499.

J.M. Hatcher, **K.C. Delea** et al (In Press). "Disruptions of Dopamine Transport by DDT and its Metabolites".