



Renee Dufault – Health Educator

Doctorate Degree Health Education. Highly Qualified Teacher (HQT). U.S. Public Health Service Officer (retired) /Toxicologist (see peer reviewed publications at end), Adjunct Tribal College Instructor, Nutrition Researcher, Mercury Researcher, Founding Executive Director Food Ingredient and Health Research Institute www.foodingredient.info Professional/Environmental Investigator, Licensed Teacher of Special Education/Learning Disabled Children

Overview - Summary

Dr. Dufault is a health educator and environmental and public health professional specializing in mercury toxicology and the development of nutrition education and dietary interventions for use by vulnerable populations such as learning disabled children and American Indian, Alaska Native, and Native Hawaiians. Dr. Dufault began her public health career after graduating from the University of California at Davis and accepting a commission with the Navy. She served as an Industrial Hygiene Officer and was assigned to the Camp Lejeune Naval Hospital. In the Navy she performed a variety of tasks to ensure safe working conditions for both Marine Corps and Navy personnel. After two years in the Navy, she transferred to the Public Health Service and assumed a position as an Industrial Hygienist at the National Institute of Health (NIH) Environmental Protection Branch. At NIH, Dr. Dufault helped characterize the NIH medical pathological waste streams to determine alternative waste disposal options. She also audited off campus NIH laboratory hazardous waste disposal practices to determine compliance with environmental regulations. After two years, she was detailed to the US Environmental Protection Agency (EPA) where she helped develop the agency's Environmental Due Diligence (Investigation) Process and managed decommissioning activities for contaminated EPA research laboratories' undergoing closure and property transfer. EPA then detailed Dr. Dufault to an Indian reservation where she worked with the Tribe and stakeholders to close and reclaim 14 open pit dumps, remove underground storage tanks, build a transfer station and recycling center, and essentially build a National model for solid waste disposal in Indian country. She finally transferred to the US Food and Drug Administration (FDA) where she conducted Phase I due diligence audits for all of the FDA's laboratories undergoing closure and managed most of the Phase II and III ESA laboratory decommissioning projects. At the FDA, Dr. Dufault worked for a number of years on a variety of public health initiatives and research projects to include: Mercury Contamination in High Fructose Corn Syrup (HFCS), Indian Country Environmental Hazard Assessment Training Project (ICEHAP), Inhibition of Reactive Oxygen Species in Alzheimer and Normal Human Olfactory Bulb Tissue, Effects of an Environmental Services Professional Training Course on the Nosocomial Rates of Infection at Suburban Hospital. As Director, ICEHAP, Dr. Dufault provided community environmental hazard assessment training at a number of tribal communities located in both Alaska and the lower 48 states. Dr. Dufault honorably retired early from the PHS to publish her findings of mercury in high fructose corn

Education

Bachelor of Science (BS)
Environmental Policy Analysis &
Planning with Environmental
Science /Toxicology Emphasis
University of CA at Davis - 1990
Masters in Teaching (MAT)
University of Maryland -2007
Doctorate Health Education
(DHEd)
ATSU University -2016

Years of Experience

US Army: 4 Years
US Navy: 2 Years
US Public Health Service: 14 Years
Non-Profit Organization: 6 Years

Registration/Certification

Professional Teacher –
Credentialed to teach grades 7-12
Biology/Science and K-6 Special
Education in Hawaii

Non-profit Work

Food Ingredient and Health
Research Institute 2010 – present
www.foodingredient.info



syrup, conduct research, and teach. Since 2008, Dr. Dufault has led investigative teams to conduct research and publish findings in peer reviewed medical journals. Two articles explain in detail how consumption of high fructose corn syrup weakens the immune system creating metabolic conditions for the development of pervasive developmental disorders such as autism and ADHD from exposures to mercury, lead, and organophosphate pesticides (2009, 2012). On the topic of type-2 diabetes, the most current article describes the results of a nutrition intervention study conducted on a population in Indian Country that led to significant reductions in risk factors associated with insulin resistance, including inorganic blood mercury and fasting glucose levels (2015). Analysis of NHANES data confirmed these associations (2015). Dr. Dufault is the founder of the non-profit Food Ingredient and Health Research Institute (FIHRI) where she works as a volunteer health educator and independent researcher. www.foodingredient.info

Teaching

2006-Present

American International School of Jeddah, SA Biology Teacher

2015- 2017

On a fulltime basis, provide instruction for high school Anatomy & Physiology, Biology, Honors Biology and AP Biology. Also serve as Head of Science Department and National Honors Society (NHS) Sponsor. Manage high school laboratory and science staff. Develop and maintain all curriculum online for all courses taught. Assess and track individual progress for approximately 110 students in grades 9-12.

United Tribes Technical College (UTTC) Adjunct Instructor

2006 - 2015

Dr. Dufault collaborated with UTTC to successfully convert Indian Country Environmental Hazard Assessment Program (ICEHAP) workshop materials/curriculum to on-line format. She provided online instruction for this course which was funded by EPA for nearly 10 years. To date, participants from over 90 Indian communities learned how to conduct community environmental hazard assessment surveys to identify their most pressing environmental exposure issues of concern. In the online training, participants learned how to develop work plans to address their issues of concern.

Naalehu Elementary School Substitute Teacher

2011 - 2015

On a part-time, on call, basis, provided substitute teaching for grades K-6 as needed.

Fort Peck Tribal Community College (FPCC) Adjunct Instructor and EPA Eco-Ambassador

2011- 2013

With funding from EPA, Dr. Dufault developed curriculum for the online macroepigenetics nutrition intervention course for use in preventing type-2 diabetes in Native American community members. Curriculum located at www.foodingredient.info Students in the pilot study received 3 units nutrition science credit from FPCC and made significant improvements in their diet that resulted in lower BMI, weight loss and lower mercury and fasting glucose levels.. Students learned how what we eat determines how our genes behave.

Naalehu Elementary School Special Education Teacher

2008 - 2010

On a fulltime basis, provided case management and instruction for children with a variety of learning disabilities to include, among other conditions, autism, oppositional defiance disorder, and dyslexia. Reading instruction delivered via multisensory approach (e.g. OG). I worked with each child's support team to develop IEP goals and objectives. I also conducted reading and math assessment tests.

**Food Ingredient and Health Research Institute (FIHRI)
Founding Executive Director (volunteer)**

2010 - Present

Serves as Founding Executive Director, writes grant proposals to fund research activities, develops curriculum for online intervention courses tailored to meet the needs of specific populations, delivers instruction for online courses, develops power point presentations and delivers them upon invitation at conferences or via webinar (e.g. 2013 Clinical Epigenetics Conference, 2013 Tar Creek Superfund Conference, 2013 EPA Tribal Eco-Ambassador Conference, 2013 Learning Disabilities Association of America Conference, 2013 NIH Health Disparities Conference, 2012 Webinar “Autism Revolution: Food and Environment” featuring Dr. Martha Herbert, MD (Harvard University) and Renee Dufault (FIHRI) <http://www.youtube.com/watch?v=mgAsDXgo5ao> , 2011 Woman is First Environment Conference, 2011 EPA Tribal College Conference, American Association for Intellectual and Developmental Disabilities. Mercury Exposure, Nutritional Deficiencies and Metabolic Disruptions may Affect Learning in Children, February 9, 2010), Smithsonian Institute: Patterns of Health & Wellbeing- Keynote Speaker <https://youtu.be/IwapwKitM0k>

Collaborator and Principal Investigator on research projects designed to infuse education with survey and biomarker data collection using technology. Topics of major interest include diabetes, autism, and heart disease.

One of the founders of macroepigenetics (Dufault et al., 2012) - the study of how environmental and dietary factors interact to regulate genes that protect health or make us more susceptible to disease. “ A macroepigenetic approach to identify factors responsible for the autism epidemic in the United States” published April 2012 by Clinical Epigenetics journal

**Public Health Volunteer
Principal Investigator**

2008-2009

As a volunteer, I collaborated with researchers outside of government to finish the investigation of mercury in high fructose corn syrup (HFCS) and products containing HFCS. We published our results in two publications. First paper “Mercury from chlor-alkali plants: measured concentrations in food product sugar” published in Environmental Health January 2009. Second paper on how mercury exposure, nutritional deficiencies and metabolic disruptions may affect learning in sensitive populations entitled, “Mercury exposure, nutritional deficiencies and metabolic disruptions may affect learning in children” submitted to Behavioral and Brain Functions Journal and published in October 2009.

Food and Drug Administration

1999-2008

**Indian Country Environmental Hazard Assessment Project (ICEHAP)
Program Director**

CDR Dufault served as the Director of ICEHAP, an interagency education project, funded by the Bureau of Indian Affairs (BIA) and the Environmental Protection Agency (EPA). She authored grant proposals to secure funding to pay for training materials and travel costs for the volunteer instructors. CDR Dufault also served as lead teacher responsible for coordinating all activities associated with the project – curriculum materials, travel reimbursement, coordinating dates and locations for workshops. She authored memorandums of agreements between BIA, EPA and three different colleges including Harvard University. Training and education was delivered at the following locations: Woody Island, AK, Crow Reservation, MT, Winnebago Reservation, NE, Taos Pueblo, NM, Makah Reservation, WA, Spirit Lake Sioux Reservation, ND. During each workshop, participants conducted an environmental hazard assessment survey of their communities to identify environmental health and safety issues of concern and then they used an environmental problem-solving tool to develop work plans for addressing the most important issues (lead based paint and elevated blood lead levels in children, abandoned formerly used defense sites (FUDS), elevated radon levels in pueblo homes, mold in homes, water supply shortages, mercury in fish, contaminated properties, unhealthy workplace conditions).

In related work, I served as FDA's delegate on the President's Native American Task Force on Environmental Justice.

**Laboratory Decommissioning
Project Officer**

As the agency's technical expert on environmental remediation, for 8 and a 1/2 years - conducted the Phase I Environmental Site Assessments (Due Diligence Audits) for all FDA research laboratories undergoing renovation, closure, and/or property transfer. Provided technical assistance and/or managed the Phase II sampling and Phase III remediation efforts as required to address contamination issues of concern (leaking acid dilution tank, mercury in plumbing, perchlorate contamination in hoods, mercury in kennel sewer system from dogs being dosed with mercury, lead paint, asbestos, extensive radioactive contamination in plumbing system due to improper disposal of radioactive waste material). Responsible for reviewing Work Plans, Site Safety and Health Plans, Sampling and Analysis Plans, Quality Control Plans, and Waste Plans for all contractor activities. Provided contractor oversight for supervised investigative and decommissioning efforts that included biological contaminants (mold and bacteria), dioxins and furans, mercury, PCBs, lead, asbestos, and hazardous waste removal from laboratory interiors and waste containment areas. Reviewed and approved all Decommissioning Reports detailing sequential decontamination efforts prior to release of the properties to prior owners or GSA. I helped develop a protocol to remove mercury contamination from plumbing systems and then upon request, served as chairwoman for a laboratory decommissioning subcommittee. In this capacity I co-authored a paper to present at a Leadership Conference sponsored by NIH, EPA, NIEHS, and the National Association of Physician's for the Environment.

**District of Columbia (DC) and DC Hospital Association (DCHA) Collaborative Project
Lead Investigator**

As lead investigator, I developed a survey tool for use at the District hospitals to track the regulated and infectious waste streams from point of generation to point of disposal. I collaborated with one other person to conduct a survey of regulated and infectious waste management practices at 22% of the District's hospitals. We authored and delivered a report of findings and recommendations to include the need for a comprehensive, structured occupational safety and health training course for environmental services personnel (hospital housekeeping staff). In collaboration with members of DCHA, I developed 8 hours of award winning curriculum for use in training hospital environmental services professionals (ESP) and then provided instruction at Providence Hospital for a train-the-trainer course presented to ESP management personnel at DCHA hospitals.

Members of the World Bank contacted me about the course and the survey. I provided technical assistance to World Bank personnel in revising the Bank's Healthcare Facilities guideline. The World Bank wanted to use the EPS curriculum in Spanish speaking countries, so I managed the translation of the ESP training course to Spanish.

In related work, I also served as principal investigator for a study conducted on the effects of an environmental services professional (ESP) training course, a hand washing encouragement program, and the introduction of a new disinfectant on antibiotic use rates at Suburban Hospital, Bethesda, MD. After this intervention, there was an overall reduction of 10.1% in the use of antibiotics over a 12-month period, which may indicate there were 1,379 fewer hospital acquired infections. My collaborators and I presented the results of the study at the 2009 Maryland Patient Safety Conference and the Canadian Infectious Control Conference.

On behalf of FDA, I responded to the Joint Commission Accredited Hospital Organization's request for comments on the new Infection Control standards

Mercury Related Research Projects Principal Investigator

As Principal Investigator, I worked with collaborators at the Armed Forces Radiobiology Research Institute (AFRRI) to follow up on the mercury cycle investigation to determine mercury content in non-fish foods containing high fructose corn syrup (HFCS). We used ICP-MS at Uniformed Services University of the Health Sciences in Bethesda to conduct the analyses. I obtained HFCS samples from various manufacturers with assistance from investigator at FDA Denver field office and sent some of these samples to different laboratories for analyses (NIST, Univ. of CA-Davis, Univ. of Wisconsin - Platteville, Argonne National Lab). We presented preliminary findings with collaborators at the University of CA - Davis to the FDA Center for Food Safety and Applied Nutrition.

As lead investigator, I conducted an investigation on the mercury cycle and current U. S. Mercury Policy. I presented my findings to the public at a watershed protection conference sponsored by EPA and River Network. Also presented the findings to the FDA, the EPA, the pharmaceutical industry trade group Pharmacopeia, the chlorine industry trade group Chlorine Institute, and at the 2004 USGS Mercury conference.

On a study of the harmful effects of mercury exposure, I worked with collaborators at various academic institutions throughout the country on a research project to determine the root cause of Alzheimer's disease, assuming that mercury exposure occurs worldwide via inhalation and ingestion and that mercury bioaccumulates in fatty brain tissue over time. My team was located at the Uniformed Services University of the Health Sciences. As the principal investigator, I was responsible for obtaining funding and resources for our part of the overall project which was to look at the activity of Reactive Oxygen Species (ROS) in human olfactory brain tissue when there are deficiencies in selenium and vitamin E. We looked at ROS activity in human olfactory bulb specimens using *electron paramagnetic resonance* (EPR) technology. We presented our findings at the International EPR conference.

EPCRA Compliance Project Industrial Hygiene Officer

Provided leadership and coordination for the FDA to achieve compliance with Local Emergency Planning Council hazardous materials regulations – obtained chemical inventories for all research center laboratory buildings and worked with the engineering group to develop a floor plan (map) of every building showing the locations where hazardous materials were being used and stored by research personnel.

Public Health Service (PHS-1) Disaster Medical Assistance Team (DMAT) Environmental Health Officer

I served on DMAT for two years during which time I deployed on three occasions to provide technical support in the area of preventive medicine (conducted food sanitation inspections of Army mess hall operations, monitored heat stress conditions with WBGT, worked on special Army entomology team to survey tick and mosquito populations at Fort AP Hill.

Environmental Protection Agency

1995-1999

Laboratory Decommissioning Project Officer

As project manager, I facilitated and coordinated the Environmental Due Diligence Process for all EPA research laboratories undergoing closure and property transfer. I conducted due diligence audits for each lab (Phase I ESA) and then managed the Phase II sampling and Phase III remediation efforts. Examples of issues of concern in need of remediation included improper disposal of acids and solvents in pit -> groundwater contamination, mercury in plumbing systems, disposal of dioxin contaminated incinerator

equipment, improper disposal of laboratory chemicals into septic tank via wastewater discharge lines, elevated levels of silver in pond sediment from wastewater discharge to pond.

Coordinated and facilitated the development of “Guidelines for Transferring EPA Real Property and Complying with the Community Environmental Response Facilitation Act (CERFA). This guidance document became the basis for the development of decommissioning guidelines for all federal property disposal actions.

As a Work Assignment Manager for a \$500,000 Department of Energy Laboratory Decommissioning Study, I reviewed and commented on all reports and provided instructions for additional work/tasks to be done to complete the project. On a related project, I provided technical expertise for the development of the EPA Policy on Enforcement of RCRA Section 3004(j) Storage Prohibition at Facilities Generating Mixed Radioactive/Hazardous Wastes, which was published in the Federal Register.

**EPA Environmental Compliance Project
Industrial Hygiene/Training Officer**

Conducted Environmental Health & Safety (EHS) audit of EPA headquarters building on M Street in Washington DC and initiated follow up corrective action to achieve compliance with District of Columbia’s wastewater treatment standards (hazardous waste being improperly disposed of down the drain) and hazardous waste (RCRA) reporting requirements. I also conducted EHS audit of EPA Region 5 Eastern District Office and Laboratory.

Delivered DOT/RCRA manifest training to On-Scene Coordinators (OSCs) working at superfund sites located within EPA Region 1. Developed and delivered 24 hours of hazardous waste operations training to EPA personnel working at Environmental Photographic Interpretation Center.

**Detailed to Duck Valley Indian Reservation & the Shoshone-Palute Tribes
Director of Tribal Environmental Protection Program**

EPA sent me to the Duck Valley Indian Reservation at the request of the Tribes to serve as Director of the Tribes’ Environmental Protection Program with total budget responsibility of \$275,000/year. In this capacity, I authored grant proposals and work plans to secure funding for program development and environmental problem resolution, conducted a household solid waste characterization study and used the results to develop an Integrated Municipal Solid Waste Plan. I also worked with contractor to develop dump closure plans. I wrote a Municipal Solid Waste Ordinance (passed by Tribal Council) and closed 14 open pit dumps. I authored a Franchise Fee (tax) Ordinance to generate funding for the Operation and Maintenance (O & M) of Tribes’ Solid Waste Transfer Station (passed by Tribal Council). Prepared O & M budget for Solid Waste Transfer Station and worked with the Indian Health Service to build transfer station and recycling center. I worked with stakeholders such as the Indian Health Service and Bureau of Indian Affairs to implement dump closure plans and reclaim open pit dump sites. Worked with Tribal fisheries manager to collect water and soil samples along the Owyhee River for analyses to determine baseline water quality parameters. I also worked with a contractor to develop Tribes’ water quality standards. I surveyed the community to identify all of the above and underground storage tanks and then wrote Underground and Aboveground Storage Tank Ordinances (passed by Tribal Council). I conducted a Historical Review for each abandoned (contaminated) property to determine the identity of the responsible party (mercury, asbestos, and UST at old hospital bldg.). I initiated lead testing of children in head-start program. Conducted radon survey of tribally owned and operated buildings and provided oversight for mitigation effort required in the two buildings found to have elevated levels..

I conducted an EHS audit of the Bureau of Indian Affairs road shop and found that employees were being exposed to friable asbestos so I shut it down. BIA employees were also engaging in improper waste disposal

practices – they had historically dumped their used motor oil into a dry well. I conducted EHS audit of all Tribal operations (hospital, head-start program, senior center, tribal headquarters building, fisheries, natural resources, land management, tribal court). Provided follow up on all recommendations (my own, of course) – found improper disposal of pesticide containers, improper disposal of used motor oil, stockpiled hazardous waste, lack of training on the proper use of hazardous materials.

The town's drinking water supply was contaminated by a leaking fuel oil line so I provided contractor oversight for the development and implementation of a work plan to identify the parameters of the plume of hydrocarbon contamination in the soil and groundwater beneath a leaking fuel oil line in the town of Owhyee. This was the source of contamination in the town's drinking water well. I also provided oversight for removal of Underground Storage Tanks and cleanup of contaminated soil (hydrocarbon). I worked with Region 9 EPA On-Scene Coordinator to facilitate the removal and proper disposal of stockpiled hazardous wastes (leaking transformers, 55-gallon drums of used oil). Provided oversight for open pit dump remediation and reclamation activities (Bureau of Indian Affairs provided backhoe support, Indian Health Service provided engineering support). I provided technical assistance to the Tribe on the Rio Tinto Copper Mine remediation project. I provided oversight for cleanup of bat guano at tribal court building.

National Institutes of Health (NIH)

1993-1995

NIH Medical Pathological Waste Characterization Study Industrial Hygienist

Developed and tested standard operating procedures for autoclave operations, autoclaved red bags diverted from the MPW waste stream for study and removed and segregated waste by material type, obtained weights for all materials, and recorded data for analyses.

Hazardous Waste Operations (RCRA Compliance) Industrial Hygienist

Conducted annual review of recycling facilities and outlets used by NIH waste disposal contractors and discovered that only nine out of thirty six of the facilities were in compliance with NIH contract standards. Authored several treatment unit and process descriptions for the NIH Hazardous and Radioactive Waste Management Facility Part B permit application to include bulking and blending fume hoods, drum solidification hood, chemical carcinogen glove box, and controlled atmosphere glove box.

Conducted RCRA hazardous waste mgt. audits at 16 off-campus NIH Laboratory installations to identify current waste management practices to include waste profiling and characterization, container and drum labeling and storage, record keeping systems (manifests, hazardous waste generator annual reports, documentation of training, contingency plans) and compliance status with Federal and State hazardous waste laws (RCRA and COMAR). Developed written guidance document on proper procedures for hazardous waste identification, storage, labeling, and transportation (for use by off-campus NIH research laboratories).

Developed curriculum for a hazardous materials transportation course, delivered training to NIH Environmental Protection Branch personnel on hazardous waste material shipping requirements, and training to NIH Shipping and Receiving Branch personnel on hazardous material shipping requirements. I also developed a RCRA training manual and assessment tool covering the areas of RCRA, hazardous waste characterization, generator regulations, and enforcement. I delivered training on RCRA and hazardous waste transportation requirements to RCRA waste managers at 16 off-campus NIH research laboratory facilities. Developed and delivered annual 8-hr. hazardous waste operations refresher training to all NIH government personnel working with hazardous waste.

United States Navy, Camp LeJeune

1991-1993

OSHA Compliance Industrial Hygiene Officer

Conducted base-line Industrial Hygiene (IH) audits of 21 Marine Corps Commands to determine potential workplace health hazards (noise and lead at the firing range, asbestos in an old Quonset hut converted to office space, hazardous materials such as solvents used for cleaning parts at the motor pool, paint from spray painting tanks, noise in the mess halls). I conducted the IH audit of the naval hospital to identify any potential workplace health hazards (bioaerosols from laser plume in the OR, biological and chemical agents in the lab, radioactive materials in Radiation Therapy, non-ionizing radiation from lasers in OR and Eye clinic, blood-borne pathogen exposure via blood and body fluids).

Training and Education Industrial Hygiene Officer

I developed curriculum for the hazard communication program and delivered HAZCOM training to 21 Marine Corps Commands. Developed a hearing conservation program at each Battalion Aid Station and helped the instructors at the Marine Corps Food Service School incorporate the principles of hearing conservation into their curriculum for Food Service Specialists (cooks).

I also provided leadership for the development of hospital's spill response team. I developed the HAZMAT spill response curriculum and delivered training to the Naval Hospital's spill response team. Developed laser safety curriculum and delivered training to the physicians in the hospital's laser surveillance program.

Conference Presentations and Posters

1. Fifth Annual Tribal/EPA Conference, *Solid Waste Characterization Study at Duck Valley Indian Reservation*, November 4-6, 1997, San Francisco, CA
2. Harvard School of Public Health, *Dump Closure and Municipal Solid Waste Program Development in Indian Country: A Case Study of the Shoshone-Paiute Tribes*, March 22, 1999, Boston, MA
3. 1999 Department of the Interior Conference on the Environment, *Open Pit Dump Closure and Municipal Solid Waste Program Development in Indian Country*, April 6-8, 1999, Denver, CO
4. The Role of Human Exposure Assessment in the Prevention of Environmental Disease, *Indian Country Environmental Hazard Assessment Project (ICEHAP)*, September 22-24, 1999, Rockville, MD
5. Biomedical Research and the Environment, *Laboratory Decommissioning Process*, November 1-2, 1999, Bethesda, MD
6. National Pollution Prevention Roundtable, *Pollution Prevention Recommendations for Healthcare: District of Columbia Hospital Survey Findings*, February 2000, Richmond, VA
7. Frontline Healthcare Workers Safety Conference, *District of Columbia Hospital Regulated Medical Waste Survey*, August 6-8, 2000, Washington, DC
8. Labs 21 Conference, *Reducing Environmental Risk Associated with Laboratory Decommissioning*, January 8-10, 2001, Washington, DC
9. Hospitals for a Healthy Environment: *Setting New Standards for Health Care Excellence, Infectious Waste Management*, March 8, 2001
10. 2001 Department of the Interior Conference on the Environment, *Environmental Problem Solving: A Public Health Perspective*, March 13-15, 2001, Albuquerque, NM

11. 2003 Department of the Interior Conference on the Environment, *Indian Country Environmental Hazard Assessment and Management Systems Training Project (ICEHAP): A National Environmental Justice Project*, May 13-15, 2003, Phoenix, AZ
12. River Rally Watershed Protection Institute, *Mercury Cycle Presentation*, May 21-25, 2004, Wintergreen Resort, VA
13. 6th Native American Lifesavers Conference, *Indian Country Environmental Hazard Assessment Training Project*, July 13-14, 2004, Bismarck, ND
14. 2004 USGS Mercury Workshop, *Mercury Cycle Poster*, August 17-18, 2004, Reston, VA
15. 7th National Tribal Conference on Environmental Management, *ICEHAP Environmental Problem Solving Model*, June 7-10, 2005, Traverse City, Michigan
16. The International Conference/Workshop on Electron Paramagnetic Resonance Spectroscopy, *Inhibition of ROS in Alzheimer and Normal Olfactory Bulb Tissues Poster*, September 4-8, 2005, Columbus, Ohio
17. Community and Hospital Infection Control Association of Canada Conference, *Effects of an Environmental Services Professional Training Course and Cleaning Products on the Rates of Infection Seen at Suburban Hospital Poster*, June 9-14, 2007, Edmonton, Alberta, Canada
18. Maryland Patient Safety Conference, *Reducing Infection Rates Through Training: Public Health Accountability and a New Environment of Care Standard*, March 20, 2008, Baltimore, MD
19. American Association for Intellectual and Developmental Disabilities. *Mercury Exposure, Nutritional Deficiencies and Metabolic Disruptions may Affect Learning in Children*, February 9, 2010
20. Building TCU, EPA & Tribal Partnerships, *Indian Country Environmental Hazard Assessment Training Project (ICEHAP) since 1999.....* June 28-30, 2011, Albuquerque, NM
21. Woman is First Environment Collaborative, June 14-17, 2011, Hot Springs, SD *Macroepigenetics: How Food and Environmental Factors Interact →Disease*
22. Government Accountability Project, June 23, 2011, *Macroepigenetics: How Food and Environmental Factors Interact → Disease*
23. S. Gilbert & R. Dufault. Society of Toxicology Conference, March 6-10, 2011, Washington DC - Poster Presentation - *Implications of Exposure to Organophosphate Pesticide Residue from Grain Consumption*
http://www.foodingredient.info/images/SOT_Poster_for_2011_Conference.pdf
24. EPA Tribal Eco-Ambassador Conference, Reno, NV - June 2012. *Fort Peck Community College Nutrition Intervention Course/ Study*.
25. Institute for Agriculture and Trade Policy, June 11, 2012. *The Autism Revolution: Thinking About Environment and Food*. Dr. Martha Herbert, MD and Professor Renee Dufault
<http://www.youtube.com/watch?v=mgAsDXgo5ao>
26. EPA Tribal Eco-Ambassador Conference, Washington DC - Nov. 2012
27. National Learning Disabilities Association of America Conference, San Antonio, TX, February 13, 2013 - Lecture - *Brain Food: How Nutrition, Chemical Exposures and Genetics Interact , and Steps Educators Can Take to Protect and Nurture Children's Development*.
28. Clinical Epigenetics Society Meeting, Solingen, Germany, March 14-15, 2013. Keynote - *Macroepigenetic Model for Autism*. <http://www.clinical-epigenetics-society.org/meeting-2013/program>
29. Smithsonian Museum of the American Indian, Living Earth Symposium, July 20, 2013. *EPA Tribal Eco-Ambassador Presentations*. <http://www.youtube.com/watch?v=A9CLOpzKxio&feature=c4-overview-vl&list=PLS6nSmuURFJClNlb0zN8bMryv5D7GozwX>

30. 15th National Tar Creek Conference, Miami, OK, September 17-19, 2013. Keynote - *Gene-Environment Interactions -> Autism & Type-2 Diabetes*
31. Smithsonian Institute, Patterns of Health & Wellbeing Symposium 2014, Keynote - *Food and Medicine*
<https://youtu.be/IwapwKitM0k>

Publications

1. The Guidelines for Acquiring and Transferring EPA Real Property and Complying with the Community Environmental Response Facilitation Act (CERFA), EPA, December 1997
2. Dufault et al. (2000). **Reducing Environmental Risk Associated with Laboratory Decommissioning and Property Transfer**, *Environmental Health Perspectives*, Vol. 108, Supl. 6, 1015-1022. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1240234/pdf/ehp108s-001015.pdf>
3. Biological Risk Engineering Handbook, ISBN: 1-5667-0606-8 CRC Press, November 2002 Lead author on two chapters: Medical Setting Infection Control, Infection Control
4. Dufault et al. : **In Another Country, Indian Country Environmental Hazard Assessment Training Project**, *Synergist*, October 2005
5. (2007). Effects of an Environmental Services Professional Training Course and a Hand Washing Encouragement Program on Antibiotic Use Rates at Suburban Hospital – Abstract 07-PO37
<http://www.chica.org/cjic/vol22no1.pdf>
6. Environmental News Column writer for the Sho-Pai Newspaper. Articles covered a wide range of topics to include solid waste management, recycling, composting, radon, water contamination, and so on. 1997-1998.
7. Dufault et al. (2009). **Mercury from chlor-alkali plants: measured concentrations in food product sugar**. *Environmental Health*, 8:2. <http://www.chjournal.net/content/8/1/2>
8. LeBlanc et al. (2009). **Formation of Hydroxymethylfurfural in Domestic High Fructose Corn Syrup and Its Toxicity to the Honey Bee (*Apis mellifera*)**. *J Agric Food Chem*.
9. Dufault et al. (2009). **Mercury exposure, nutritional deficiencies and metabolic disruptions may affect learning in children**. *Behavioral and Brain Functions*, 5:44.
<http://www.behavioralandbrainfunctions.com/content/5/1/44>
10. Dufault et al. (2012). **A macroepigenetic to identify factors responsible for the autism epidemic in the United States**. *Clinical Epigenetics*, 4:6. <http://www.biomedcentral.com/content/pdf/1868-7083-4-6.pdf>
11. Dufault et al. (2015). **Blood inorganic mercury is directly associated with glucose levels in the human population and may be linked to processed food intake**. *Integrative Molecular Medicine*, 2(3):166-179. <http://oatext.com/pdf/IMM-2-134.pdf>

Contact Information

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