

## **Fiona M. Felker**

### **Education**

- Ph.D. Student Anthropology – Biological Track, University of South Florida, Tampa, FL, ----
- M.S. Biological Defense, George Mason University, Fairfax, VA, 2015
- B.S. Biological Anthropology, Western Washington University, Bellingham, WA, 2012
- A.A., Green River College, Auburn, WA, 2008

### **Topics of Interest:**

- Biological Anthropology, Medical Anthropology, applied anthropology, infectious diseases, vaccine preventable diseases, vector borne diseases, public health, public health policy, sustainable intervention, grassroots intervention, interdisciplinary collaboration

### **Professional Association**

- Student Member of the American Association of Physical Anthropology

### **Grants**

- Travel grant to present at AAPA 2011, given by Friends of Anthropology.

### **Internship**

- Fairfax County Office of Emergency Preparedness, Fairfax, VA, May 2014-November2014

### **Journal Publication**

- Felker, F.M, Hammond, J.D, Schaff, G., Stevenson, J.C. (2013) Existential and object authenticity in Southwestern pottery: Intertwined and complementary. *Journal of Material Culture*. 19(1), 93-110.

### **Conference Presentation**

- Felker, F.M, King, K.J., Schaff, G., and Stevenson, J.C. (April 2011). *Biology and Evolution of Art: Group Integrity and Pueblo Potter in the 20<sup>th</sup> Century*. Poster presentation at the American Association of Physical Anthropology. Minneapolis, M.N.
- Felker, F. M. (March, 2016). *Will European Method of Reaching Out to Communities with A High Religious Population to Increase Vaccination Rates, Work for the Same Type of Communities in The U.S.?* Poster Presentation at the Society of Applied Anthropology conference, Vancouver, B.C.
- Felker, F., Guimarães-Paiva, S., De Nazaré Klautau-Guimarães, M., Silviene Fabiana De Oliveira, S.F., and Madrigal, L. (April, 2020). *How HbAS and HbAC Heterozygotes Manifest Their Differences from HbAA Individuals At the Hemogram Level*. Poster presentation at the American Association of Physical Anthropology. Virtual

### **University Symposium Presentation**

- Felker, F.M., (May 2011). *Effects of HLA-C and KIR Interactions on PE Risk of Inter-Ethnic Couples*. Symposium Presentation at Western Washington University's Scholars Week. Bellingham, WA

### **University Poster Presentations**

- Felker, F.M, King, K.J., Schaff, G., and Stevenson, J.C. (May 2011). *Biology and Evolution of Art: Group Integrity and Pueblo Potter in the 20<sup>th</sup> Century*. Poster Presentation at Western Washington University's Scholars Week. Bellingham, WA

### **Professional Presentations**

- Infectious disease presentation for Fairfax County Health Department's Office of Emergency Preparedness bi-monthly Planning Team meeting. Topics included:
  - Chikungunya Virus
  - Ebola Virus
  - Enterovirus D68
  - H7N9 Virus
  - Middle Easter Respiratory Syndrome Corona Virus (MERS-CoV)

### **Research Experience**

- Researched the potential for acceptance of enforcing requirements of Measles vaccination in the United States and implementing methods used in European countries. Information was gathered by analyzing results from polls conducted by CNN and Retures, the data was open to the public on line. Data was directly collected via interviews with employees at health departments in the state of Virginia.
- Researched communities in Fairfax county to determine the optimal locations for back to school vaccination clinics. Factors taken into consideration where: population density, average income of the area, population density of the lower average income. Then researched locations within those regions that would best host a back to school vaccination clink.
- Researched and assembled a fact sheet on the FAST set up for the Fairfax County Health Department.
- Present briefs on pathogens at bi-monthly Planning Team meeting. Topics included:
  - Chikungunya Virus
  - Ebola Virus
  - Enterovirus D68
  - H7N9 Virus
  - Middle Easter Respiratory Syndrome Corona Virus (MERS-CoV)
- Researched the Largest Employers in Fairfax County to determine possible closed Point of Distribution (POD) locations for Fairfax County Health Department.
- Researched Access and Functional Needs individual's requirements for future POD planning.
- Researched Charter Bus companies within the Fairfax County area to determine if they could be used to transport individuals in the case of an emergency.
- Researched infectious diseases of concern and assembled the data in an infectious disease spread sheet for use at OEP.
- Researched primary languages of the west African countries involved in the 2014-2015 Ebola Outbreak.

### **Data Collection**

- Puebloan Pottery data collection conducted May 2010- September 2010.
  - Data collection was done via analysis of pottery pieces for sale on gallery and auction websites.

- Acceptance of enforcing requirement of Measles vaccination in the United States, conducted January-March 2015.
  - Data was collected via interviews with health department employees of different departments. Interview techniques included: in person interview, phone interview, and e-mail interview.
  - Data was collected for master's capstone at George Mason University
- Determining the abilities of MERCs, Hospitals, Funeral Homes, and Cemeteries to store the remains of deceased individuals in mass casualty events.
  - Data collection was primarily conducted via telephone conversations with management staff at the facilities being questioned. E-mail questionnaires were sent if phone contact was not possible.
  - Information on the facilities' ability to store and cremate human remains in the event of an influx of remains caused by a disease outbreak. Information collected was entered into a data set for emergency managers to reference in the event of a future epidemic and plan response measures.

### **Data Base Assembly**

- Disease Spread Sheet for use by the Fairfax County Health Department.
- Researched Charter Bus companies to determine if they could be used to transport individuals in the case of an emergency.
- Mass Fatality Resource Guide for use by the Fairfax County Health Department

### **Undergraduate Teaching Assistant Experience**

- Introduction to Biological Anthropology, Western Washington University, Winter 2010
- Anthropological Statistics, Western Washington University, Spring 2010
- Human Osteology and Forensics, Western Washington University, Fall 2010
- Introduction to Biological Anthropology, Western Washington University, Spring 2011

### **Undergraduate Lab Instructor Experience**

- Anatomy Lab Instructor, Western Washington University, Winter 2011

### **Conducted Office Place Education**

- Earthquake and Evacuation training session for the Patient Access department, St. Elizabeth Hospital, Enumclaw, WA, 2016, 2017 and 2018
- Fire Safety and Evacuation training session for the Patient Access department, St. Elizabeth Hospital, Enumclaw, WA, 2017 and 2018

### **Informative Presentation Assembly**

- Drafted workflows and assembled reference manuals on Epic for Main Admitting and ED in order to provide support to Patient Access staff during the transition from Meditech to Epic, St. Elizabeth Hospital, 2016.
- Isolation and Quarantine Power Point Presentation, Fairfax County Health Department, Office of Emergency Preparedness, 2014.
- Fairfax County Medical Reserve Core Infographic Presentation, Fairfax County Health Department, Office of Emergency Preparedness, 2014.

- Fairfax County MRC brochure, Fairfax County Health Department, Office of Emergency Preparedness, 2014.

### **IRB Submissions**

- Master's Thesis on Measles, George Mason University, Fairfax, VA, Fall 2014.
  - The IRB committee determined that an IRB was not necessary for this research project.

### **FEMA Emergency Management Institute Certificates:**

- ICS-100 Introduction to Incident Command System
- ICS-200 ICS for Single Resources and Initial Action Incident
- IS-700 National Incident Management System (NIMS) An Introduction
- IS-701 NIMS Multiagency Coordination System (MAS)
- IS-702 NIMS Public Information Systems
- IS-703 NIMS Resource Management
- IS-706 NIMS Intrastate Mutual Aid an Introduction
- IS-800 National Response Framework, An Introduction

### **Emergency Training Exercises**

- Spring 2016 Earthquake Exercise, St. Elizabeth Hospital, Enumclaw, WA
- Winter 2016 Regional Open Shooter table top exercise for the Catholic Health Initiative hospitals.
- Winter 2016 Open Shooter Exercise, St. Elizabeth Hospital, Enumclaw, WA
- 2014 VERTEX Hurricane Exercise Fall Church Shelter - Observer
- 2014 VERTEX Hurricane Shelter Exercise – Communicable Disease Nurse Evaluator
- 2014 Virginia State Hurricane Shelter Exercise –Actor, Observer, Assisted coordinating MRC volunteers

### **Personal Protective Equipment Training**

- Donning and doffing chemical PPE.
- Donning and doffing particle PPE.
- Assembling the decontamination tent and following protocol in the event of a chemical exposure at St. Elizabeth Hospital.

### **Committees and Clubs**

- Safety Captain representing Patient Access the Safety Captain/Champions Committee at St. Elizabeth Hospital, Enumclaw, WA. April 2016-September 2018
- Vice President of Western Washington University's Anthropology Club 2010-2011

### **Human Remains Analysis**

- Human Remains Analyst, Bellingham, WA, October-November 2011
  - I worked with the Lummi tribe of Washington State to repatriate ancestral remains collected with faunal remains from site 45-WH-17 (Semiahmoo Spit).

## **Acknowledged**

- Provided critical feedback on the book chapter authored by Dr. MJ Mosher on the effects of immigration on epigenetics of human DNA; and was mentioned in the “Acknowledgements” at the end of chapter.
  - Mosher MJ (2011) Invited Review: The Role of Diet and Epigenetics in Migration; Molecular mechanisms underlying the consequence of change. in Migration: Causes and Consequences. MH Crawford and B Campbell, Eds. Cambridge Univ. Press' In Press

## **Continuing Education (Courses Attended)**

- Dr. Justyna Miskiewicz, “Human Bone Histology Morning Coffee Workshop Series for Biological Anthropists,” Australian National University, from May 17 to June 24, 2020.

## **Continuing Education (Lectures Attended)**

- Dr. Monica H. Green, Dr. Lluís Quintana-Murci, Dr. Lucy van Dorp, “The Evolution and History of Human Diseases: from the Archaic Hominis to the Black Death and Sars-Cov-2,” Virtual American Association of Physical Anthropology, August, 24, 2020
- Dr. Manoj Menon, “Pacific Science Center’s Science in the City – Global Health Series: Combating the Global Cancer Epidemic”, Pacific Science Center, Seattle, WA, January 2018.
- Dr, Beth Kolko, “Pacific Science Center’s Science in the City – Global Health and Development: Innovation to Impact”, Pacific Science Center, Seattle, WA, February 2018.
- Paul Farmer, “The Caregivers’ Disease - The History and Political Economy of Ebola in West Africa”. University of Washington, Seattle, WA, February 2018.
- Dr. Cliff Schmidt, “Science in the City: Evening Lecture on the Talking Book – Sharing health and Knowledge globally”, Pacific Science Center, Seattle, WA, March 2018.
- Dr. Julie Jacobson, “Science in the City: Neglected Tropical Diseases”, Pacific Science Center, Seattle, WA, July 2018.
- Institute for Disease Modeling, Pacific Science Center, Seattle, WA, August 2018
- Jane Goodall, “Jane Goodall: Tomorrow and Beyond”, Presented by Western Washington University, Bellingham, WA, October 2018.