Social Sciences Application #1

Research Description:
More people die of lung cancer (LC) than any other cancer. Pain is one of the most common, feared, and distressing symptoms associated with LC and with death. Disparities in health care exist within generalized patient care and pain management. We know minorities experience more severe pain than non-Hispanic whites, and are more likely to have their pain descriptions inadequately assessed and treated. Moreover, minorities diagnosed with cancer are more likely to be diagnosed at a later stage and have decreased access to treatment. Disparities in pain associated with LC at the end of life are not well understood. This study will examine health disparities and nursing pain scores during the last hospital encounter of patients with LC who died as an inpatient in the Vidant hospital system. A retrospective chart review will be conducted to collect the following data: demographics, stage of disease, histology, patient location in the hospital and nursing pain scores. Patients will be included in this study if they had a new patient visit for LC between January 1, 2015 and June 30, 2016 and subsequently died on an inpatient unit in the Vidant hospital system. Approximately 200 to 400 patients will be included. Data will be stored in REDCap, a secure online data management system. Comparisons between average daily pain scores and highest daily pain scores over time will be made between race, gender, age, insurance status, and geographic location of residence using a repeated measures ANOVA. I hypothesize that the data will show the greatest disparities in pain in African American patients. The study will be completed to gain knowledge on the subject and fill gaps within the literature. Data will be collected as part of a larger study examining health disparities in lung cancer led by mentor Dr. Lee Ann Jarrett Johnson.

Budget Justification:
Budget: Other - End-of-Life Nursing Education Consortium (ELNEC) online training course: $35 Stipend - $600 - $10 per hour for a total of 60 hours Justification: The ELNEC course will provide the applicant with training in End-of-Life care. End-of-Life care training will be applicable to any area of nursing that the applicant may work in. The stipend will be used to support the applicant who will complete 60 hours of work by working one day per week through the end of the semester. The applicant will be working on the project outside of enrollment in the course.

Social Sciences Application #2

Research Description:
The final battle of the Tuscarora War was fought at Fort Neoheroka on March 21 – 23, 1713. Fort Neoheroka, close in proximity to modern day Snow Hill, was a marvel of ingenuity in its prime. Placed under siege for several weeks by local colonials and the militia they requested from South Carolina, Fort Neoheroka fell after a three-day assault. The battle at Fort Neoheroka marked the end of the Tuscarora hegemony in coastal North Carolina. Archaeological excavations, under the supervision of the late Dr. David Phelps of East Carolina University, were carried out from 1990 to 2001. The excavations resulted in tens of thousands of artifacts currently housed in East Carolina University’s curation lab. Unfortunately, little further analysis on the assemblage was undertaken, though some artifacts had been sent out for specialized analysis and conservation. However, a complete inventory does not exist for the collection. The passing of Dr. Phelps also resulted in the failure to produce a final report for this
important site. The proposed research is to carry out the necessary preliminary work required to produce a final report over the course of two semesters. Proposed duties will include gathering and organizing field notes and site maps. Those that have remained on campus will be digitized, so that they are easily accessible to students and researchers. The upcoming duties will also include organization of the artifacts in archival quality bags and available storage bins, inventorying their location for easy reference, making note of the artifacts that require further treatment, and recall artifacts on loan (external analysis and display). Once artifact repackaging and evaluation have been completed, the composite catalogue, containing the material remains of the Neoheroka Fort and final battle, will provide the status and location of all artifacts and supplemental notes or maps and be available for research. The completion of the catalogue will mark a significant development in the understanding of the history of Fort Neoheroka, and the final battle that resulted in the death of men, women and children and the containment of the survivors in a short term, local reservation. The completed catalogue will be kept on the lab’s Pirate Drive, and made available to qualified researchers at the discretion of the lab director.

**Budget Justification:**

I request the maximum stipend allotment of $1,500. As this project requires two semesters, I must budget my time wisely so that personal goals are met in a timely manner. I have dedicated an average of 12 hours per week, including weekends, to ensure the completion of this project. The remaining $424 will suffice to offset the cost of using resources available to me in the lab. As I evaluate each artifact individually, I will be removing them from their original paper bag packaging. Contemporary curation labs now recommend using plastic bags for artifact storage. I wish to budget $300 for 4 mil double zipper plastic bags of various sizes from US Plastics. I would like to dedicate $100 for supplying ink to the printer in the curation lab. The printer requires HP 61 Ink Cartridges. With the $100, I would be able to purchase two HP 61XL Black High Yield Original Ink Cartridges, as well as a single HP 61 Economy-Yield Tricolor Ink Cartridge at $20.39 from a local office supply store. To have paper at my disposal, I would like to request that $24 be dedicated to purchasing paper. At $6.00 per ream, I will be able to fit the curation lab with four reams.