



F31 Training Potential

Guidance & Tips

| CENTER TO REDUCE
CANCER HEALTH DISPARITIES

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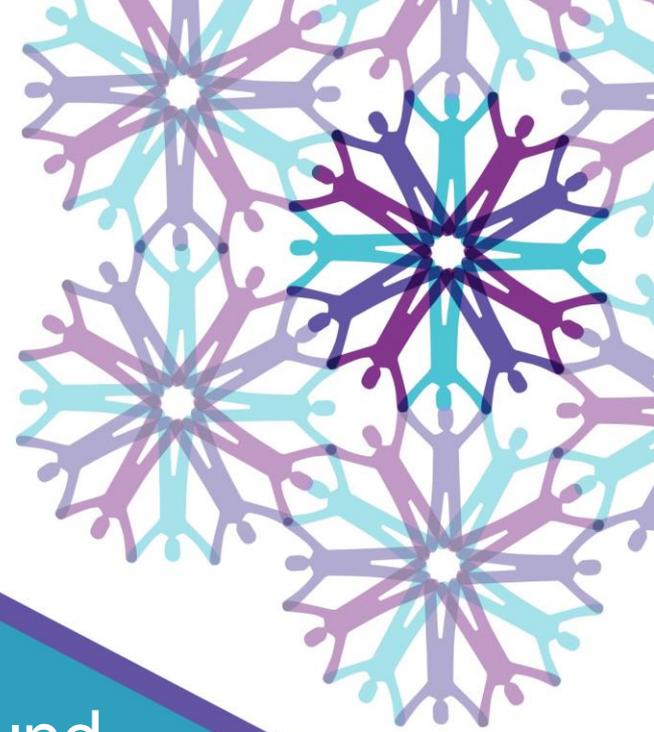
What is the Training Potential?

- The Training Potential are **the parts** of the application that demonstrates that the applicant will obtain the appropriate skills for an independent research career.

F31 Training Potential

The parts of the application where the Training Potential are described are:

- Training Plan: the section of the application that highlights the student's academic and career goals and potential for success **written by the Sponsor**
- Applicant Background & Goals for Fellowship Training: the part of the application that describes the research experience, training activities and goals: **written by the Applicant**



Key Sections for the Applicant Background and Goals for Fellowship Training

Key Sections of the Applicant Background and Goals for Fellowship Training

1. Doctoral Dissertation and Research Experience
2. Training Goals and Objectives
3. Activities planned under the Award

I. Doctoral Dissertation and Research Experience

- Highlight the student's academic and career goals and potential for success.
- Summarize past research experience, results, and conclusions
- Describe the goal of your doctoral dissertation research
- Describe how past experience builds on the current proposed fellowship research or...
- Explain how past research experience led to research in a new or different area of research

Doctoral Dissertation and Research Experience

Doctoral Dissertation and Other Research Experiences

Ms. [REDACTED] research interest started during her undergraduate education when she used her experiences as a first-generation Ghanaian immigrant to conduct original research to extract chemical compounds from indigenous herbs used by Ghanaian traditional healers to treat chronic disease, as well as gain a better understanding of how traditional healers contribute to the health and wellbeing of their communities. As a Doctoral Student at Johns Hopkins University School of Nursing, she further developed her research experiences, participating in several research studies with established, federally funded mentors. These

Applicant's Background and Goals for Fellowship Training

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Summarize past research experience and how it relates to proposed fellowship

Past Research Experiences

Description of dissertation research and how it is related to previous experiences

research experiences support the applicant's ability to successfully conduct the proposed study:

University of Cape Coast: The chemical compounds in *Indigofera arrecta*, an indigenous herb for treating chronic diseases: May 2009-August 2009: The applicant conducted original research at the University of Cape Coast, Ghana to complete the internship requirements for her undergraduate studies at Baylor University. She was funded by the Research Experiences for Undergraduates Program to pursue her original research that combined her academic and cultural background as a Ghanaian immigrant. This was the start of her research career to explore health from an interdisciplinary, clinical and cultural perspective.

The Afro-Cardiac Study: Cardiovascular Disease risk and Acculturation in West African immigrants in the United States: (Dr. [REDACTED] PI): November 2014-February 2015: The applicant served as a research assistant for this grant funded study to examine the cultural and biological determinants of chronic disease in African immigrants. She assisted in developing recruitment protocols, consenting participants and collecting data on over 200 African immigrant adults.

A Community Based Cervical Cancer Prevention and Health Education Study among Women Living with HIV: (Dr. [REDACTED] PI): June 2016-Present: The applicant serves as the study coordinator for this community-based, randomized controlled trial. She assists in developing and standardizing research protocols, training research assistants, recruiting participants using a community based participatory approach, psychometric testing of research instruments, and analyzing and managing data.

Systematic Review of Literatures: May 2016-current

The applicant completed a systematic review of the literature to explore the determinants of cervical cancer screening among African immigrant women. The results were presented at the International Council on Women's Health Issues. The applicant is currently collaborating with Dr. [REDACTED] on a systematic review of literature on health literacy conceptual frameworks. She is also working on developing a review of the literature on cancer screening disparities among minority populations, as well as a systematic review of the literature on cancer screening interventions using a community based approach.

Dissertation Research

The applicant's research focus is to promote cervical cancer screening to eventually decrease the burden of cervical cancer and reduce cancer disparities among underserved African immigrant women. She currently serves as a member of the African Women's Cancer Awareness Association, an organization that promotes cancer screening among African immigrant women through education and community outreach programs. The applicant is collaborating with the leadership of this organization to create a community advisory board for the proposed study.

II. Training Goals and Objectives

- Describe overall training goals for the duration of the fellowship
- Indicate the relationship of the proposed research training to the applicant's career goals
- Correlate the skills, activities, and techniques that will be learned to the applicant's career goals.
- Identify the theories, conceptual approaches, etc. to be learned or enhanced during the award.
- Summarize the research environment and how the research facilities and equipment will support training
- Discuss how the proposed research will facilitate a transition to the next career stage, if applicable.

II. Training Goals and Objectives

Describe the skills and techniques that the applicant will learn. Relate these to the applicant's career goals.



Correlate the skills, activities, and techniques that will be learned to the applicant's career goals.

Goals for Fellowship Training and Career

I am dedicated to helping to improve the health of immigrant and underserved individuals and communities who are disproportionately burdened by cancer, by understanding the underlying cause of disparities in cancer screening and cancer outcome. I am also dedicated to using my research knowledge and skills to inform efficient, effective and culturally tailored interventions for improving cancer screening behaviors to decrease the burden of cancer among minority and immigrant populations. Building on my career as a medical oncology nurse rendering care to immigrants and underserved patient populations, I chose to pursue a doctoral education to learn how to build knowledge and research programs that empower and advocate for healthy communities, especially under-served communities. As a scientist at a research-intensive university, I will be on the forefront of research to build healthier communities, and develop new ways to solve challenging health problems, especially among historically underserved populations. My overarching career goal is to improve health outcomes through research and evidence based public health nursing interventions. As a doctoral student, I am cultivating high level research skills in my continuing pursuit of helping vulnerable populations such as those with high cancer burden, with the aim of disseminating evidence-based research knowledge to improve cancer screening behaviors and health outcomes. To this aim, I have identified the following career goals, and describe how the attainment of each of these goals will be facilitated by this research proposal.

Training goals for the duration of the fellowship



Career Goals	Training activities to promote goal attainment
Design and conduct rigorous nursing research to advance the science of culturally tailored cancer screening and prevention interventions for immigrant and ethnic/racial minority populations	This proposed mixed methods study, which focuses on a vulnerable and disease burdened African immigrant population, will serve as the foundation for my future research on underserved populations with high cancer burden to improve health outcomes. This proposed study also builds upon my prior research experience as a study coordinator and the intensive coursework I have completed. Additional courses are also outlined in the training plan that will enhance my ability to meet the stated goal.
Become an expert in the intersection of health literacy and cancer screening and inform policy solutions aimed at decreasing health disparities in vulnerable and marginalized populations	This training plan allows me to continue my education on the intersection of health literacy and cancer screening, to examine how to help disease burdened populations improve their cancer screening behaviors. The combination of my clinical and medical oncology experience, and current training in the science of health literacy and cervical cancer screening research will place me in a position to advise on and create future policy to address cancer screening disparities.
Develop innovative interventions that will empower African immigrant women to develop healthy cancer screening behaviors, and decrease the burden of cancer in this population	Working closely with my mentors in their respective studies will give me an insight into the development and conduct of interventions. Particularly, my involvement in Dr. Han's community-based health literacy education and cervical cancer prevention study will hone my skill on how to develop health literacy focused education interventions. Additionally, I will participate in the Johns Hopkins Research Institute on Developing Behavioral Interventions, to provide me with the basic knowledge to enable me develop effective and efficient health literacy focused interventions in the future.
Develop the leadership and scientific skills necessary to assume the role of nursing faculty at a research-intensive university	Because of this research training, I will be in an excellent position to develop further research to understand how health-related information sharing and acquisition influences health literacy, and in turn, impacts cancer screening behaviors. In addition, I will gain the knowledge to develop interventions to improve outcomes for populations with high cancer burden as a junior faculty member. I also intend to continue developing my professional leadership abilities by pursuing local and national roles within the National Cancer Institute, and other organizations that focus on minority and immigrant health.
Demonstrate commitment to research ethics and protection of vulnerable populations and study participants	The proposed training plan, with its comprehensive educational and institutional support related to research ethics, will continue to challenge and focus me in rigorous application of ethical principles in the design and conduct of clinical and behavioral research, particularly among vulnerable populations such as immigrants and minorities with high cancer burden.
Understand and utilize the	The proposed research study allows me to use constructs from the adapted

Summarize the research environment and how the research facilities and equipment will support training

III. Activities Planned Under this Award

- Provide a detailed timeline, by year, describing the proposed research training and related activities you will be involved in for the entire duration of the fellowship award.
- Highlight the research skills and techniques that you intend to learn during the award period
- Include non-research activities (i.e. opportunities for professional development, clinical training, professional skills development)
- Estimate the percentage of time to be devoted to each activity. The percentage should total 100 for each year.

III. Activities Planned Under this Award

Activities Planned Under this Award

	Sept-Dec 2017	Jan-Jun 2018	July-Dec 2018	Jan-Jun 2019	July-Dec 2019
Coursework (10%)					
NR 110.890 Dissertation Seminar	X	X	X	X	X
PH 410.651 Health Literacy: Challenges and Strategies for Effective Communication		X			
PH 140.658 Statistics for Psychosocial Research: Structural Models	X	X			
Mentored Research Activities (80%)					
Research assistantship with Dr. Hae-Ra Han and Dr. Gallo to gain additional skills in mixed methods research design, data collection and management, data analysis, interpretation and dissemination of research finding through peer-reviewed manuscripts.	X	X	X	X	X
Health disparities Think Tank meetings will continue monthly with opportunities for collaboration with peers regarding cancer screening and health disparities publications and research opportunities.	X	X	X	X	X
Completing dissertation research project within proposed timeline	X	X	X	X	X
Career Development Activities (10%)					
Attend and present at research conferences	X	X	X	X	X
Actively participate in the Johns Hopkins University Health Literacy Interest Group monthly meetings	X	X	X	X	X
Pursue professional leadership at Robert Wood Johnson Foundation, Community Health Leaders Program	X	X	X	X	X
Benchmarks					
2-3 first-authored papers targeting high impact international cancer, immigrant and/or women's reproductive health journals		X	X	X	X
Write and defend PhD dissertation			X	X	X
Secure post-doctoral position at research intensive university with researchers' expert in health literacy, cervical cancer, immigrant/minority health and culturally tailored intervention research				X	X

Include classes, seminars, activities, etc.

Percentage of time devoted to each activity

List by Year



Final Tips

Final Tips for Applicant Background and Goals for Fellowship Training

- Highlight past research experience and how that relates to proposed fellowship
- Describe Training Goals for the duration of fellowship
- Ensure that Training Activities and Goals align with Career Goals
- Put Coursework and Seminars into a chart format
- Estimate the percentage of time to be devoted to each activity
- Include items such as classes seminars, opportunities, for interaction with other groups and scientists, and any professional skills development opportunities.



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