

Career Development Plan

Prior Research and Training Experiences

Over the past 10 years, I have been actively involved in [redacted] research. In [redacted] 201[redacted], I was awarded the [redacted] from [redacted] to become a postdoctoral fellow in Dr. XYZ's laboratory. Through this fellowship, I have gained proficiency in the comparison of [redacted] [redacted] measurements from magnetic resonance imaging, a tool useful in the laboratory but less available in clinic. Our team published on the validity of estimating [redacted] [redacted] risk factors, and mortality. My publication record demonstrates my interest in racial health disparities, including clinical and epidemiological research of [redacted]. The present proposal harmonizes my interests in [redacted] and race disparities with [redacted] chronic disease.

Justified Need for Proposed Mentored Career Development

To date, I have made progress in developing my clinical research skills, but I require additional training, mentoring, and experience to expand my theoretical knowledge and analytic skills in translational epidemiology and clinical research. My postdoctoral fellowship provided experience working with nationally representative datasets of both [redacted] cohorts, including cross-sectional associations and the relationship between early risk factors and subsequent mortality. However, I have not trained in the analysis of longitudinal clinical data, an essential tool to understand the relationship between [redacted].

The proposed training will refine my research skills to investigate how clinically detectable changes in [redacted] relate to increased risk for [redacted] [redacted] range, a relationship that has clinical implications for the early detection of [redacted] risk. I will benefit from advanced training during weekly meetings with Dr. XYZ to examine the independent effects of [redacted] on incident chronic disease in [redacted]. I will meet at least monthly with co-mentor Dr. ABC who will provide guidance for the management and analysis of the [redacted] database, based on his analysis of the [redacted] cohort. This award will provide proficiency in translational epidemiology by analyzing a large dataset of electronic medical records. Through both the training and research components of this award, I will better understand how epidemiological evidence in early risk detection can translate to improved health care in clinical practice.

Transition to Independent Investigator Status

During my academic and research training, I have demonstrated significant commitment to a competitive research career in [redacted], as evidenced by my research productivity and involvement in external funding opportunities. I am PI for an intramural project with support from the [redacted] to determine the appropriate screening and diagnostic guidelines for [redacted]. I am PI for an award under review by the [redacted] to create risk prediction tools for impaired [redacted] patients. I submitted a K99/R00 application to NIDDK in February 20[redacted] and will receive feedback by August 20[redacted]. Given the vast majority of K99 proposals are not successful on the first attempt, I plan to re-submit in [redacted] and receive feedback by April 20[redacted]. This will allow me to begin my K99 award on July 1, 2014, at the completion of this Meritorious Scholar award. My long-term career goal is to establish an independent research laboratory on the [redacted] [redacted], with a specific focus on race disparities in health outcomes. The Meritorious Scholar fellowship will be an integral step towards my transition to independence.