

**Educational and Research Interventions for the Nuclear Regulatory Commission**  
*NRC Minority Serving Institutions Program FOA number SBCR-FN-0210-MSIP01*

**EXECUTIVE SUMMARY**

Principal Investigator

**Darryl B. Hood**, Ph.D., Professor, Department of Neuroscience and Pharmacology; Center for Molecular and Behavioral Neuroscience, Meharry Medical College, 1005 DB Todd Blvd, Nashville, TN 37208, 615.327.6358 (Office), 615.327.6632 (FAX), [dhood@mmc.edu](mailto:dhood@mmc.edu); [darryl.b.hood@vanderbilt.edu](mailto:darryl.b.hood@vanderbilt.edu)

Collaborator

**Anthony D. Belvin**, Ph.D. Y12 Technology Development Scientist, Applied Technologies, Oak Ridge, TN 37831-8084, 856.241.8136 (Office), 865.576.2982 (FAX) [belvinad@y12.doe.gov](mailto:belvinad@y12.doe.gov)

Educational Liaison

**Maria F. Lima**, Ph.D., Dean, School of Graduate Studies and Research, Meharry Medical College, 1005 DB Todd Blvd, Nashville, TN 37208; [mflima@mmc.edu](mailto:mflima@mmc.edu)

The ultimate goal of activities conducted under this Nuclear Regulatory Commission activity seek to establish 1) a targeted professional MS degree programs in functional and computational environmental-occupational toxicology in conjunction with Y12 National Security Complex (Y12) and Oak Ridge National Laboratory (ORNL) and 2) scientific research programs with Y12 National Security Complex scientists to better understand the consequences of nuclear fallout disposition to the developing central nervous system and subsequent effects on cognitive processes in high-risk populations. This partnership will serve to provide a customized pipeline for biomedical science and professional positions at Y12, ORNL and other national security complexes. We have conceptualized and organized this Nuclear Regulatory Commission funded activity according to and consistent with the multidisciplinary framework of our pre-existing programs here at Meharry Medical College and this represents a logical extension of our activities.

**Total Project Funding Request (YRS1-4) \$1,534,710.00**

**Total Award: \$200 K (incremental funding)**