



**TECHNICAL REPORT – U.S. DEPARTMENT OF ENERGY
GRANT NUMBER DE-FC02-01ER63121**

Oncology Center: Hollings Cancer Center Translational Research Core Development Grant

A major goal of the Hollings Cancer Center during the global project period of DOE funding (2001-2008) has been to build the cancer research portfolio at the Medical University of South Carolina that would be worthy of designation by the National Cancer Institute (NCI). To do so required significant investment in the development of shared research resources. For instance, DOE funding has been well utilized to support the development of cutting edge "omics" technology including genomics, proteomics and lipidomics. In addition, other associated critical resources have been developed including viral vector production, molecular imaging, biostatistics, bioinformatics and a tissue biorepository. All of these shared resources have contributed to the doubling of NCI research funding over the past five years and an equal increase in non-NCI cancer research funding (e.g., DOD, industry support, American Cancer Society, other NIH). On April 1, 2009, the Hollings Cancer Center was officially awarded a Cancer Center Support Grant (P30 CA 138313) bestowing us the NCI designation, one of only 65 centers in the U.S. Many of the shared resources initially developed with DOE funding (Lipidomics, Molecular Imaging and Biostatistics), were presented as part of our Cancer Center Support Grant application. Other resources initially funded by the DOE are still active (genomics, proteomics, bioinformatics) and have greatly contributed to the research capabilities of the Center, but have now been integrated into larger university-wide efforts and are being supported by both institutional and extramural funding. Building on the last interim progress report submitted in 2004, the following represents the most significant progress that has been made in Lipidomics, Cell & Molecular Imaging, Biostatistics and Tissue Biorepository. Of note, the funding from the last amendment to this DOE award (2004-2008), was focused 100% on the development of the Tissue Biorepository. This essential shared resource will be presented in our 2013 Cancer Center Support Grant renewal.

A handwritten signature in black ink, appearing to read "Andrew S. Kraft".

Andrew S. Kraft, M.D.
Director, Hollings Cancer Center
Medical University of South Carolina

A handwritten signature in black ink, appearing to read "David Azbill".

David Azbill
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