MEDICAL EDUCATION AND RESEARCH GRANT OUTCOME REPORT

Development of a Centralized UWCCC Biobank

Banking tissue specimens to invest in research

Creation of BioBank at the UW Cancer Center provides researchers with ready access to human specimens to advance research and discover new patient therapies

The BioBank team collects and stores human samples, aiding in population-based cancer studies.

▶ **Description:** The completion of the human genome project and the development of molecular screening technologies have made it possible to examine the interplay between genetics and disease and personalize medical delivery. This research requires large numbers of high quality specimens from patients to be collected, stored, and annotated to exacting standards. This grant supported the establishment of the University of Wisconsin Carbone Cancer Center (UWCCC) BioBank, with the goal of eventually meeting the biospecimen needs of all investigators in the University of Wisconsin School of Medicine and Public Health (UWSMPH).

▶ **Results:** The grant successfully established the BioBank. Through May 31, 2010, it had collected and processed 5,296 specimens from 1,165 patients, incorporated computer tracking systems that support all of the BioBank's core functions, and assured compliance with all regulatory requirements. During the grant period, it provided samples for five published studies, ranging from exploring cancer cell biology studies to translational research focusing on biomarkers of cancer cells. The BioBank has been engaged in further studies that are awaiting grant funding.

▶ **Timeline for Application of Results:** Less than 3 years

▶ **Next Steps:** The WPP has provided continuation funding for the BioBank to help the project team develop a stable stream of revenue

GRANT FACTS

Principal Investigators: David T. Yang, MD, Department of Pathology and Laboratory Medicine, UWSMPH; William Schelman, MD, Department of Hematology and Oncology, UWSMPH

Grant Program: Targeted Awards

Grant Type: Clinical and Translational Research

Grant Award: $402,412 over two years

Research Keywords: Biobank, tissue acquisition, tissue banking, serum banking