

Recipient: Penn State Milton S. Hershey Medical Center, Penn State Cancer Institute

Amount Requested: \$8,000,000

Recipient's Address: Penn State College of Medicine
500 University Drive
P.O. Box 850
Hershey, PA 17033-0850

Project Description: In year 2 of this proposal our funding proposal will continue to support the comprehensive database that is currently being developed to link tissue databases to each other with that those that hold patient data. Database infrastructure will require daily maintenance and data entry, performed by data managers under the purview of an IT specialist.

A senior IT specialist will be added who will lead the database development. This person will subsequently manage newly-hired data managers. The project will also require the addition of a Head Nurse, who will manage clinical activities related to this proposal including active participation within the PSCI Disease Team infrastructure (comprised of nurses and clinicians oncologists, radiologists, surgeons, etc) and oversight of clinical coordinator activities, and an Administrative Assistant responsive to the Director of the Penn State Center for Pharmacogenetics (Dr. Lazarus).

Clinical coordinators will be required for the accrual of all patients. Clinical coordinator efforts will be managed by a Head Nurse within the PSHCI, with coordinators housed within the Clinical Trials Office suite located within the new PSCI building. Tissue samples acquired by the clinical coordinators will be housed within an expanded PSCI Tissue Bank and will require freezer capacity and increased tissue bank management efforts. Research assistants will be hired for tissue banking and they will also perform tissue processing including blood fractionations under the management of an experienced tissue banking Core Leader.

As organ sites are chosen for study, clinical coordinators, data managers, research assistants will be hired as part of individual pilot projects for pharmacogenetic studies of the individual selected cancer/organ sites. Supplies will be necessary for specimen accrual, processing and storage, and costs will be incurred for genotyping/haplotyping experiments. A senior investigator and junior investigator will be hired to expand our pharmacogenetics research capabilities and funds for start-up for this investigator will be provided through these NFGC support.

Recipient: Dauphin County Board of Commissioners

Amount Requested: \$3,000,000

Recipient's Address: P.O. Box 1295
Harrisburg, PA 17108

Project Description: The funds requested for this program would address the Army's ability to meet its civil support mission and to provide critical components of homeland defense. The program develops processes and protocols to improve the ability to communicate with Federal (Army), State and local jurisdictions as it relates to local first responders.

Recipient: Concurrent Technologies Corporation

Amount Requested: \$5,500,000

Recipient's Address: 100 CTC Drive
Johnstown, PA 15904

Project Description: The National Malaria Diagnostic Reference Lab will address the unmet need for quality control in the accurate and timely diagnosis of malaria that poses a significant threat to our nation's military. This need has recently been defined and underscored by the World Health Organization. Concurrent Technologies Corporation (CTC) and the Telemedicine and Advanced Technology Research Center (TATRC) would provide Program Management and Information Technology oversight. Hydas World Health of Hummelstown, PA, in collaboration with the Uniformed Services University of the Health Sciences (USUHS) and the Infectious Disease Clinical Research Program (IDCRP) would spearhead the clinical initiative through the establishment of the National Malaria Diagnostic Reference Lab, the collaboration of an effective worldwide research network, and the training, testing and certification of microscopists in the field. IDCRP's vision is to reduce the impact of infectious diseases on the military population with a mission that includes designing, conducting, and publishing collaborative clinical infectious disease research through an effective research network that rapidly responds to evolving threats.