

# Environmental Health Information Partnership

## 2010—2011 EnHIP Outreach Awards

### **Benedict College – Columbia, SC**

#### *Incorporating Competitive Team Presentations to Improve Minority-Serving Institutions' Knowledge of National Library of Medicine Resources of Information for Understanding Animal Contributions to Human Disease*

This project improves on previously funded informational efforts by requiring four teams of two to four students at Benedict College to research the NLM online databases and make presentations on their findings. The students have multidisciplinary majors; all are members of the Student Environmental Health Association (SEHA). Teams will be required to make PowerPoint presentations and provide narrative summaries to seminar courses. Approximately 400 students will benefit from the presentations. The NLM databases on which teams must present are as follows: ClinicalTrials.gov; DIRLINE; MedlinePlus; African-American Health; Interactive Health Tutorials; PubMed/MEDLINE; and PubMed Central.

The goals of this project are to increase awareness of NLM resources among students within the college's science and public health programs; and improve students' ability to explain NLM databases. The project's objectives are to provide information to a core group of students about the resources of NLM, including how those resources help in understanding animal contributions to human illness; assist approximately 40 SEHA members in preparing presentations; identify the top teams that will make presentations to students within junior-and senior-level seminar courses and that will receive monetary prizes; and conduct team presentations.

### **Charles R. Drew University of Medicine and Science – Los Angeles, CA**

#### *Environmental Health Outreach and Education Project*

The goals of this project are to increase the awareness of NLM online resources related to the use of toxicological, environmental, occupational, and hazardous materials/waste at Charles Drew University, Martin Luther King, Jr. Multi-Service Ambulatory Care Center, and other agencies serving the south Los Angeles area; provide instruction in the use of NLM Web-based resources; and enhance the use and distribution of health-related information to the Charles Drew University faculty, staff, and students and the staff of agencies serving the south Los Angeles area.

**(CONTINUED ON THE NEXT PAGE)**

# Environmental Health Information Partnership

## 2010—2011 EnHIP Outreach Awards

### **Charles R. Drew University of Medicine and Science – Los Angeles, CA**

*Environmental Health Outreach and Education Project*

#### **(CONTINUED)**

Training will be delivered to approximately 300 employees, professional staff, and students of Charles Drew University and its affiliated training sites and to the staff and clients of agencies serving the south Los Angeles area. Experts in the fields of toxicology, environmental health, and informational and instructional technology will provide the training. It will focus on the scientific literature in the fields of medicine, nursing, dentistry, and health care systems; TOXNET for information on toxicological profiles on hazardous chemicals that cause health and environmental effects; Haz-Map for specific information about the possible effects of exposure to chemicals and biological agents; and Tox Town for information on common toxic substances encountered in everyday life.

### **Diné College – Shiprock, NM**

*Navajo Ethno-Medical Encyclopedia (NEME) Project*

The Navajo Ethno-Medical Encyclopedia (NEME) was envisioned as a 10-volume compendium and repository of traditional Navajo Indian medical and healing knowledge accumulated over many centuries. This project, which was begun in the 1970s and suspended in 1981 due to a lack of funding, has been restarted in recent years. It holds great significance to the Navajo People because it provides the greatest hope for substantial preservation of a significant body of important cultural knowledge. NLM funding will enable the conversion of original material, using modern optical scanning and optical character recognition technology, into word processing software and the creation of electronic files for permanent, accessible, and transferable storage. Preserving the language is a key component of the project because language loss means loss of knowledge. To date, hundreds of tapes have been transcribed and many have been translated. The goals of this project are to provide new technical skills to advance students majoring in the Navajo Language degree program at Diné College; identify corrections to make for errors in optical character recognition (OCR) conversions following a review of electronic documenting; and identify the specific locations where each such converted document would best fit into the NEME. The objectives of this project are to develop new skills by utilizing optical scanning and OCR technology in order to bring greater efficiency to the task of converting Navajo texts into word processing program documents; and to allow students to become familiar with the actual content of the NEME materials. Ensure students develop a more global understanding of the endeavor.

Completion of the NEME will have a substantial impact in enabling clinicians to become more culturally competent for treatment of Navajo and other Native American patients. It begun with funding from the National Institute of Mental Health, involves the recording, transcription, and translation of interviews with Navajo traditional medicine practitioners and then organizing the information into a 10-volume set.

# Environmental Health Information Partnership

## 2010—2011 EnHIP Outreach Awards

### **Diné College – Shiprock, NM**

*Using Database Research Regarding Environmental Health, Climate Change Impacts, and Animal-Human Connections to Educate Tribal Communities and Reduce Health Disparities*

This project will focus on promoting health literacy and providing access to medical and health information to Diné College as well as community members and stakeholders at large. To promote these efforts, an internship position will be offered. The student must develop a report, PowerPoint presentation, poster, and workshop. This project includes the following objectives: to provide an internship to allow training and access to an expansive database related to (1) environmental health, (2) climate change impacts on tribal lands, and (3) connections between animals and human health; and to host a workshop at Diné College for community members and stakeholders based on information obtained in the project's efforts to promote health literacy.

### **Florida A&M University, College of Pharmacy and Pharmaceutical Sciences – Tallahassee, FL**

*Improving Health Literacy and Access to National Library of Medicine Resources in Disadvantaged Communities*

This project addresses the issue of decreased health literacy and health information technology access in two disadvantaged communities in Florida. This project proposes to work with the county libraries and their branches in Hillsborough (Tampa) and Leon (Tallahassee) in developing a health literacy program. As part of Florida A&M University's Community Outreach and Services Learning Program, senior students in the doctoral program of the College of Pharmacy and Pharmaceutical Sciences will be trained to provide health literacy classes one evening per week in four library branches in each city. The health literacy program will reach 400 disadvantaged patrons during the 2010–2011 academic year. The curriculum will be developed in accordance with standards of the Medical Library Association. The second component of this project entails increasing access to NLM resources. Training will be provided to library patrons who participated in health literacy classes.

### **Hampton University, School of Nursing – Hampton, VA**

*Center for Minority Family Health–Environmental Health Information Partnership: Research, Education, and Disparities Initiative (EnHIP: READ-IN,) August 2010–July 2011*

The goal of this project is to develop an infrastructure at Hampton University School of Nursing to support the costs of increasing resources on environmental health information and health disparities among populations in Southeast Virginia.

**(CONTINUED ON THE NEXT PAGE)**

# Environmental Health Information Partnership

## 2010—2011 EnHIP Outreach Awards

### **Hampton University, School of Nursing – Hampton, VA**

Center for Minority Family Health–Environmental Health Information Partnership: Research, Education, and Disparities Initiative (EnHIP: READ-IN,) August 2010–July 2011

#### **(CONTINUED)**

The project proposes the following: convene a national plenary session in conjunction with Hampton University's annual Conference on the Black Family to disseminate environmental health information at a health promotion program, including the "hows and whys" of disaster management; initiate discussions with consumer groups served by Minority Serving Institutions to plan a campaign designed to increase the number of consumers who use NLM information resources and inform the School of Nursing community population about evidence-based interventions, health promotion, and prevention programs developed by faculty and students; and increase NLM/Partnership visibility in the School of Nursing community as a means of enhancing community involvement in research studies, utilization of health information, and career day programs.

### **Jackson State University – Jackson, MS**

NLM Web-Based Resources: A Catalyst for Biomedical and Environmental Health Research and Education

The goal of this project is to continue the enhancement of environmental health and biomedical sciences research and education at Jackson State University and around the world by hosting a pre-symposium workshop in conjunction with the university's yearly *International Symposium on Recent Advances in Environmental Health Research*. The pre-symposium workshop, titled "The National Library of Medicine Web Resources for Environmental Health Research," is provided for attendees who need information on health issues related to exposure to environmental substances—including those that are naturally occurring—and environmental agents known to induce illnesses, including cancer and health disparities. The NLM Toxicology and Environmental Health Information Program (TEHIP) databases provide an invaluable resource to address these issues. Major emphasis will be placed on navigating through TEHIP's TOXNET® (Toxicology Data Network) databases and related resources. Workshop participants will (1) learn how to access the NLM toxicology and environmental health databases on the Internet, (2) learn how to find valuable information on environmental contaminants, and (3) explore other environmental health information resources on the Internet. Attendees of the pre-symposium workshop, slated for September 2011, will include the university's faculty and students who are involved in biomedical sciences and environmental health research, as well as students, faculty, and scientists from around the world who will be participating in the symposium.

**(CONTINUED ON THE NEXT PAGE)**

# Environmental Health Information Partnership

## 2010—2011 EnHIP Outreach Awards

### **Meharry Medical College – Nashville, TN**

*Promote and Encourage the Use of the National Library of Medicine's Resources as "Trusted Health Electronic/Internet Information" That Promotes Health Literacy and the Reduction of Health Disparities*

This project in Nashville and Davidson County, Tennessee, builds on Meharry Medical College's efforts to collaborate with four local churches in developing faith-based partnerships with community-based public libraries. The collaboration promotes the importance of health literacy in relation to health disparities and the connection to community health. It especially emphasizes the use of NLM databases and the electronic medical record. Meetings will initiate discussions with the lay public through the "Faith-based Network" (Network) about NLM information resources, health literacy, health disparities, and the importance of the electronic medical record in patient care. The next step will be to increase the awareness of 500 members of the Network regarding these issues by offering sessions on how to use NLM and other federal agencies' databases and resources. This will empower individuals and families in the Network to gain information through trusted online databases and to reinforce searching skills and knowledge in their explorations.

### **Morgan State University – Baltimore, MD**

*Project 3E: Enable, Engage, and Empower HBCUs with Health Information Technology*

The purpose of the project is to provide Master of Public Health students at Morgan State University an integrating experience that will provide knowledge and proficiency on public health issues through access to resources and databases. Four interns will use the NLM online databases and other reference databases in their literature searches. Interns will document their experiences by using the following criteria: Ease of use (user-friendliness and intuitiveness); Adequacy of resources; and Access and availability.

Interns will assemble a forum to present and discuss their findings and demonstrate how to navigate the NLM databases. Heads of health and sciences departments, library personnel, health and sciences faculty, and students will be encouraged to attend the forum.

**(CONTINUED ON THE NEXT PAGE)**

# Environmental Health Information Partnership

## 2010—2011 EnHIP Outreach Awards

### **Morgan State University – Baltimore, MD**

*Success Through Access: The Morgan State University Outreach Program to Help to Disseminate Information on Environmental Health Disparities*

The goal of this project is to offer to Morgan State University students, faculty, staff, and the greater Baltimore community monthly instructional workshops on how to access and use health information contained in databases available through the portal Research Port. The workshops will be promoted through announcements and flyers on the Morgan State University campus, on its Web site, and through collaborative arrangements with the Enoch Pratt Free Library, the University of Maryland Health Sciences and Human Services Library, and the Morgan State University School of Community Health and Public Policy.

### **Oglala Lakota College – Pine Ridge, SD**

*Cache Project*

The Cache Project of Oglala Lakota College will use education and direct assistance to address family-level crisis planning. This crisis planning will help families cope with emergency situations, such as the blizzards that impact their lives three or four times a year. The first goal is to educate people about the importance of creating family emergency kits. As a first step to reach the goal, students from the nursing department in cooperation with students from the business department will conduct research, followed by a hazard analysis. Based on research and analysis, the students will put together a list of materials to include in the Crisis Kit: supplies, food, and other items must be geographically and culturally appropriate.

They will produce a booklet and checklist that is user-friendly and realistic for the demographics of the reservation. The information will be placed in the Oglala Lakota College's libraries for dissemination to the communities. Students will begin a social marketing campaign to promote the project. This will be done by giving presentations to groups and placing public service announcements on radio and organizational Web sites. Also, students will contact retailers in the Rapid City, South Dakota, area to ask for assistance in creating a Crisis Kit. This assistance may be in the form of discounts or benefits in pricing for buying the needed materials.

The second goal is for students to discuss with community groups how to access emergency survival supplies that are affordable and pertinent.

**(CONTINUED ON THE NEXT PAGE)**

# Environmental Health Information Partnership

## 2010—2011 EnHIP Outreach Awards

### **University of Puerto Rico, Medical Sciences Campus – San Juan, PR**

#### *Outreach Project in Environmental Health Information Path, 2010–2011*

Continuing the University of Puerto Rico's commitment to increase awareness about health and environmental concerns, the goals of this project are to reduce the inequality in the access to information related to health among minority groups, disadvantaged communities, and health students and to increase the awareness of addressing health literacy among groups of students, librarians, school faculty, and community leaders. Customized training in the effective use of NLM online databases will be provided to the following groups: graduate students in the programs of pharmacy, nursing, and basic sciences (microbiology, anatomy, pharmacology and toxicology, biochemistry) and faculties of the Medical Sciences Campus; students of the ASPIRA Association's Alternative School (CASA-Spanish acronym for Help and Student Services Centers) in subjects related to health and environment that impact their lives (sexually transmitted diseases and HIV); and a graduate student project on the quantization and toxic effects characterization of xylazine mixed with recreational drugs by substance abuse addicts in Puerto Rico.

### **The University of Texas at El Paso, College of Health Sciences – El Paso, TX**

#### *Infrastructure Capacity-Building for the School of Medical Technology in the Faculty of Medical Sciences of the Universidad Central del Ecuador to Access Information Technology for Library Research and Post-graduate Program Instructional Delivery and Evaluation*

The goal of this project is to increase the capacity of the faculty of the School of Medical Technology at the Universidad Central del Ecuador to enhance its information technology infrastructure and to develop and deliver a graduate degree curriculum. This curriculum will prepare the faculty to offer advanced education to rehabilitation professionals serving community members in need of rehabilitation services. The objectives of this project are as follows: to conduct an on-site needs assessment of the technical capacity of the faculty to access educational and research-based materials in English and Spanish from databases of NLM, Pan American Health Organization, and other European and Latin American academic sources; to assess the existing information technology infrastructure of the School of Medical Technology and the Universidad Central del Ecuador campus; and to report on the findings and make recommendations on how to enhance the technical capacity of the faculty to access databases, also including findings and recommendations related to existing information technology infrastructure and the future needs of the campus in regard to participation in distance-based learning instructional delivery