2009

# adobe medicus 2009 6 November-December

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# adobe medicus

## BIMONTHLY BULLETIN OF THE HEALTH SCIENCES LIBRARY AND INFORMATICS CENTER

## Evidence-Based Scholarly Communication Conference

HSLIC received a NLM Conference Grant (R13LM010054) in 2009 and is proud to announce that it will host the Evidence-Based Scholarly Communication Conference on March 11-12, 2010 in Albuquerque, New Mexico. The first of its kind, the conference will highlight strategies for promoting open access publishing as a method for the quick dissemination of key research findings into practice, otherwise known as "translational" research. The conference will be of particular interest to information professionals from institutions either applying for or that have been awarded a Clinical and Translational Sciences Award (CTSA) from the NCRR (National Center for Research Resources that is one of the National Institutes of Health). The conference is structured as a workshop; attendees will follow one track of presentations and small-group discussions on topics ranging from copyright, the NIH Public Access Policy, and crafting advocacy messages. One outcome expected from the conference is the development of a national agenda for promotion and integration of research dissemination principles to CTSA-minded institutions.

Full details can be found at the conference website at:
http://hsc.unm.edu/library/EBSCConference/index.shtml.

Holly Phillips, MILS, AHIP
Coordinator, Resource Access and Delivery

Jon Eldredge, PhD, MLS
Interim Coordinator, Learning Design Center

**UNM Scholarly Communications in Translational Research Conference**

## New UNM-wide Strategic Computer Hardware Vendor Selection

The UNM Health Sciences Center has traditionally promoted workstation standards through an annual purchase of computers greatly subsidized by the office of the Executive Vice President and known as the Faculty Workstation Project. Due to changes in the scope of the project and budget concerns, HSLIC moved to promote standards for the HSC within the entire UNM community. Throughout 2009, HSLIC, UNM IT, UNM Purchasing, and other departments worked on a collaborative project to develop an RFP to find a strategic partner to provide computer hardware to UNM. This effort resulted in UNM establishing an agreement with Dell Computers to provide hardware, software, and support services. The partnership includes significant discounts for hardware, technical service, and support. It will significantly reduce the overall cost of ownership of technology for the university. The agreement, which was put into place beginning in November, is for three years with an option to extend to five years and provides pricing guarantees, asset tagging, computer imaging, spare parts, and demonstration products. HSLIC User Support Services will continue to provide full support of these standard devices, including computer imaging, warranty parts repair, and customized quotes. HSLIC and UNM IT are currently working on the logistics of putting the program into place, but UNM departments may purchase discounted hardware right now through LoboMart. Dell is also extending the University's discounted pricing to UNM students, faculty, alumni, and staff for personal purchases. These discounts are for UNM standard configurations for desktops and laptops, or you can customize the configuration to meet your personal needs. Information and links to quotes for standard devices purchased from LoboMart or personal purchases can be found on the HSLIC User Support site http://hsc.unm.edu/library/usersupport/purchases.shtml.

Rick Adcock
Manager, User Support, TECHS

## Computing from Home: Protecting Personal and Professional Information

How safe is your home computer and personal information? The ease with which someone can break into your home computer, and what is at risk, depends on your personal habits. Are you running older unpatched software, following bad password practices, and leaving your system turned on and connected to the internet overnight? Do you access web sites including; entertainment sites, social networking, peer-to-peer file sharing, gaming, movie sites, etc.? These practices can dramatically increase your risks.

What risks are you willing to accept and what risks are you not willing to accept? If you use your home computer for online banking, social networking, and entertainment you should seek the advice and support of an IT professional to ensure that you are adequately protected. Improperly protected home systems put both personal and UNM/HSC business information at risk. UNM makes anti-virus software for home machines available to students and staff through a site licensing agreement with Symantec. Using anti-virus software can play an important part in making your home computer more secure.

Here is a list of common practices all computer users should follow:

- Keep operating system and application software patched with the latest version
- Use a complex password to login to your computer
- Only use the administrative account on your computer when installing software
- Never respond to unsolicited emails or unexpected pop-ups if you are not sure of the source
- Use anti-virus software to aid in protecting UNM business information while you are working from home
- UNM provides a free anti-virus solution for students and employees at:
  http://it.unm.edu/security/antivirus.html

If you are interested in more information, the U.S. Government has created a site that provides information about internet fraud, protecting personal information, and other topics at http://www.onguardonline.gov and additional information can be found at: http://it.unm.edu/security.

Barney Metzner, MM
HSC Information Security Officer
Manager, IT Security, HSLIC

## HSLIC Research and Scholarship

The following is a sampling of some of the recent scholarly output of select HSLIC faculty.

Ingrid Hendrix, MILS, AHIP, HSLIC Nursing Services Librarian, along with co-author Kathy Lopez-Bushnell, RNC, EdD, MPH, MSN, Director of Nursing Research at University of New Mexico Hospitals (UNMH), has an article that has been accepted for publication in the *Journal of Hospital Librarianship* titled "L.A.U.N.Ch into the Future: Evidence-based Literature to Support Nursing Staff Development." Their article reports on the results of a year-long pilot program measuring the effect of a Clinical Nursing Librarian program targeting nurses in the critical care areas at UNMH.

Christee King, MLS, AHIP, HSLIC Collection Management Librarian, is editor of the Information Rx Column in the *Journal of Electronic Resources in Medical Libraries*. In addition to serving as editor, she has published reviews of Psychiatry Online, Nursing Reference Center, Images MD, and Anatomy.TV.

Philip Kroth, MD, MS, HSLIC Director of Biomedical Informatics Research, Training and Scholarship, is a co-author on a paper titled "Context of Clinical Care: The Case of Hepatitis C in Underserved Communities—A Report from the Primary Care Multiethnic Network (PRIME Net) Consortium"[1] in the November-December 2009 issue of the *Journal of the American Board of Family Medicine*. The lead author on the paper was Robert Leverence, MD, Chief of the Division of General Internal Medicine. Other UNM co-authors were Robert L. Williams, MPH, MD, and Betty Skipper, PhD, from the Department of Family and Community Medicine. The paper reported the results of a survey that was performed through a consortium of three practice-based research networks on physician attitudes toward the screening of patients for Hepatitis C.

Dr. Kroth was also recently awarded a $23,000 grant from the SOM's Research Allocation Committee for a pilot biomedical informatics research project (see the article on page 7 for more information).

Sarah Morley, MLS, AHIP, HSLIC Clinical Services Librarian, was elected President of the South Central Chapter of the Medical Library Association's Hospital Library Interest Section and assumed office at the chapter's annual meeting in Tulsa, Oklahoma in October.

Barbara Nail-Chiwetalu, PhD, AHIP, HSLIC Distance Services Coordinator, won second place for the Elizabeth K. Eaton Research Award for her presentation at the South Central Chapter of the Medical Library Association's Annual Meeting recently held in Tulsa, Oklahoma titled New Mexico Statewide Community Assessment; A Qualitative Analysis. Interviews with one or more representatives from County Health Councils were conducted with 29 of 33 counties to learn more about how HSLIC could better meet their health information needs.

[1] Leverence RR, Williams RL, Pace W, Parnes B, Fry-Johnson Y, Pathak DR, Skipper B, Daniels E, Kroth P; PRIME Net Consortium. Context of clinical care: the case of hepatitis C in underserved communities--a report from the Primary Care Multiethnic Network (PRIME Net) Consortium. J Am Board Fam Med. 2009 Nov-Dec;22(6):638-46.

## The CTSC/ECHO Clinical Investigators Program Provides Many Resources for Junior Faculty Interested in Research



CTSC/ECHO Meeting - Photo by Christine Pacheco

The Clinical and Translational Science Center/Extension for Community Healthcare Options (CTSC/ECHO) Clinical Investigators' Program is designed to train junior MD, PhD, RD, PharmD, and RN faculty at the University of New Mexico's Health Sciences Center in the process of initiating, conducting, and reporting clinical research. Since its inception, fifty-three young investigators have participated in the program.

The twenty-four month program is open to any faculty member of the Health Sciences Center with the desire to learn clinical research. Junior investigators in the program have come from the College of Nursing, the College of Pharmacy, and the School of Medicine. A wide range of departments in the School of Medicine have provided participants including the Departments of Emergency Medicine, Orthopedics and Rehabilitation, Family Practice, Internal Medicine, Family and Community Medicine, Surgery, Obstetrics and Gynecology, Neurology, Psychiatry, and HSLIC.

The program is based on the paradigm that a clinical researcher learns best by actually doing research. To facilitate this research and learning, each participant is assigned to a mentor (an experienced clinical investigator) who advises in the completion of ten different modules that walk the student through the entire research process from hypothesis generation through to publication of results.

As part of the program, all investigators, mentors, and support personnel meet once a month in the evening at a local restaurant where a CTSC/ECHO investigator presents his or her research and responds to questions from the other participants. In addition, a different CTSC/ECHO investigator presents a current ethical issue in research. A third CTSC/ECHO investigator presents a short historical review on a past clinical investigator who made major contributions to clinical research. Time is also devoted to informal lectures on biostatistics and data handling skills related to performing research. All mentors and CTSC/ECHO program staff attend these meetings.

HSLIC has supported the program for over five years by providing a faculty program mentor, Dr. Philip Kroth, HSLIC's Director of Biomedical Informatics Research, Training and Scholarship. Dr. Kroth attends the monthly dinner meetings to provide input to the discussions from the biomedical informatics perspective and has provided the occasional informal lecture on aspects of biomedical informatics or scholarly communication issues of interest to investigators. Participation in the program has also been made one of the requirements of the HSLIC biomedical informatics fellowship curriculum. So far, one fellow has successfully completed the program.

There is no cost to the participants. Funding for the program comes from the Deans of the colleges and the faculty member's individual department or division. For more information, visit our website at http://hsc.unm.edu/som/medicine/research/ci_program.shtml or feel free to contact:

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Philip Kroth, MD
Director, Biomedical Informatics Research, Training and Scholarship, HSLIC

John Lucas
Senior Contract and Grant Administrator, Office of Research (Retired)

## HSC-TV on YouTube™

The UNM Health Sciences Center's online video program, HSC-TV, now has a home on YouTube, making it easier to subscribe to and search for HSC-TV stories. You can also now view videos in high-definition on the new HSC-TV YouTube channel: http://www.youtube.com/unmhsc.

HSC-TV features continue to appear on the HSC Internet and intranet homepages, as they did when they were stored on HSC media servers, but YouTube also allows visitors to comment and rate stories and more easily share them with friends and colleagues. Additionally, HSC Web authors can embed HSC-TV stories or custom playlists on their own pages.
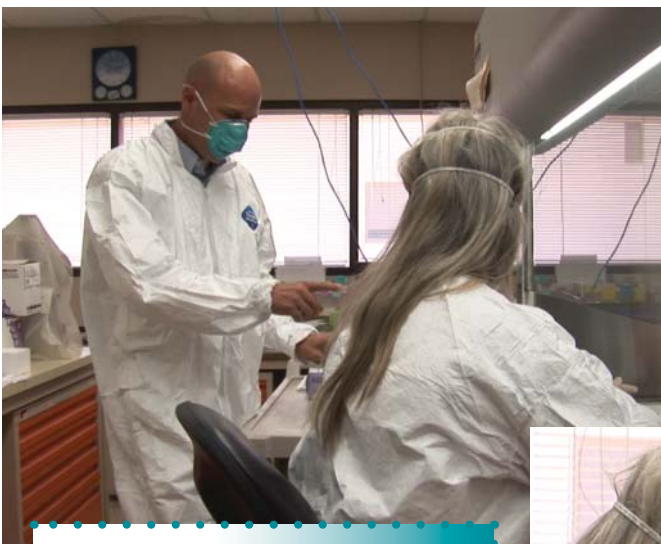
Now in it's second year, HSC-TV offers up a wide range of interesting stories and interviews that aim to keep students, faculty, and staff informed about the important work happening at the UNM Health Sciences Center. The move to YouTube is part of a larger effort to expand the program's Web and social networking presence, which also includes regular postings on the HSC's new Facebook page.

John Arnold
Multimedia Development Specialist

Photos by John Arnold

### HSLIC Named one of the top Places to go for free WiFI

The Health Sciences Library and Informatics Center was named one of the top 77 places to go for free WiFi in Albuquerque in the November 2009, New Mexico Market Place Magazine.

# HITECH Act

On September 23, 2009, a new HIPAA regulation known as "Breach Notification for Unsecured Protected Health Information" became effective. This regulation was promulgated by the U.S. Department of Health and Human Services (HHS) pursuant to statutory requirements contained within the American Recovery and Reinvestment Act of 2009 (ARRA) and the privacy portion of ARRA known as the "Health Information Technology for Economic and Clinical Health (HITECH) Act."

## Breach Notification

This new federal breach notification regulation (Regulation) applies to all covered entities and their workforce members, which include covered entities such as the Health Sciences Center (HSC), health care providers, health plans, and their business associates. Under the HITECH Act, business associates now become subject to HIPAA requirements in the same manner as covered entities.

A covered entity will determine whether there has been a breach of unsecured Protected Health Information (PHI) requiring written notification to the individual as follows: 1) Did an unauthorized individual impermissibly acquire, access, use, or disclose protected health information (PHI); 2) did such impermissible use or disclosure of PHI violate the HIPAA Privacy Rule; and 3) does the HIPAA violation compromise the security or privacy of an individual's PHI such that the compromise poses a significant risk to the individual of harm that is financial, reputational, or other type of harm.

When a covered entity assesses that there has been a breach of unsecured protected health information that meets the above threshold of harm type of criteria, the individual will receive written notice of the breach by first class mail. The notice must be provided without unreasonable delay and within no later than 60 days after discovery of the breach. In instances involving breaches of greater than 500 individuals, media and the Secretary for HHS will receive notice of the breach as well. Covered entities also must maintain a log of breaches and notify the Secretary of these breaches within certain contexts.

## Encryption

The Regulation clarifies how the HSC can protect itself when there is loss or theft of PHI. The preferred method, in many instances, is to encrypt PHI according to specified methodologies and technologies contained within the Regulation. When utilized, they will render PHI secure, and thus obviate the requirement to notify the individual when a breach of PHI occurs.

Mobile devices present the greatest risk for HSC data loss due to mobile device physical vulnerability, coupled with the ever-growing number of devices. The second largest risk is from desktop devices. Because of the HSC culture of trust and the possibility of electronic or physical theft, encryption enhances the desktop's overall security.

The least likely HSC data loss risk is from servers because these devices are generally in physically secure locations. Theft by electronic means is a possibility, and encryption enhances the server's overall security.

Before encrypting any data, coordinate your efforts with the HSC Information Security Officer (Barney Metzner ITSecurityOfficer@salud.unm.edu). The Regulation requires that specific encryption standards are met so that the encryption process can be managed centrally. In the near future, the HSC will issue standards that clarify how to use encryption appropriately within the HSC work environment.

Sophia Collaros, MA, JD
Privacy Officer
HIPAA Privacy Office, HSLIC

Barney Metzner, MM
HSC Information Security Officer
Manager, IT Security, HSLIC



Sophia Collaros and Barney Metzner - Photo by C. Brandenburg

**Will be open for classes in January 2010**

**INTERPROFESSIONAL HEALTHCARE SIMULATION CENTER**
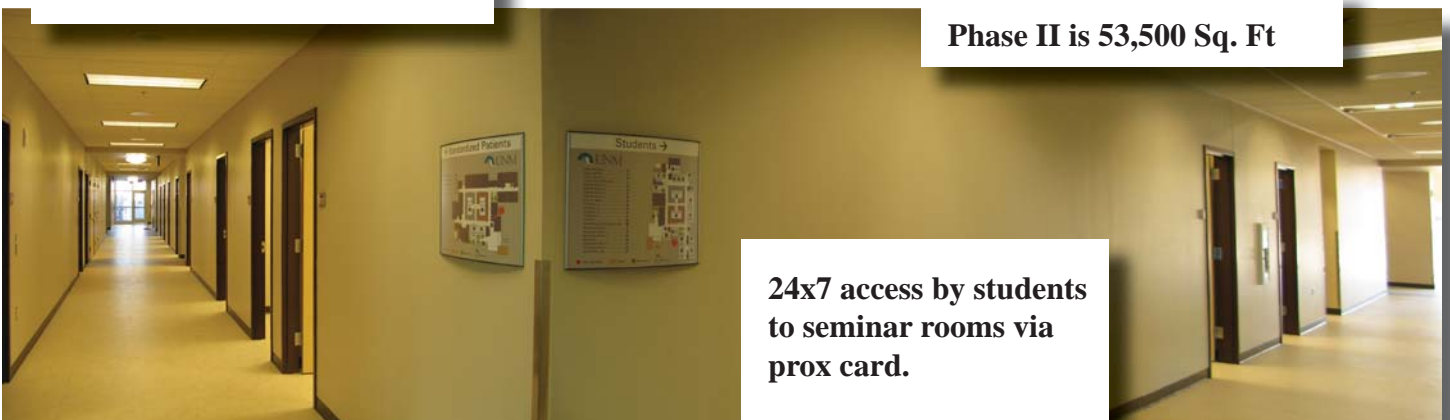
### What's in it?

**Basement, mechanical room**

**First Floor: Interprofessional Healthcare Simulation Center Standardized Patient Rooms, Simulation Rooms, Model Pharm. Conference Room**

**Second Floor:  Human Anatomy Lab (HAL)**
**Classroom, 58 seats**
**Three seminar rooms (1 for faculty, 2 for students)**

**Phase II is 53,500 Sq. Ft**

**24x7 access by students to seminar rooms via prox card.**

## RAC Grant Funded

Philip Kroth, MD, MS, HSLIC's Director of Biomedical Informatics Research, Training and Scholarship was awarded $23,000 through a grant by the Research Allocation Committee from the Dedicated Health Research Funds from the University of New Mexico School of Medicine. Dr. Kroth's grant application is titled "Craving and Withdrawal Patterns During Smoking Cessation." The purpose of the project is to develop and perform usability testing of palm-top computer software to record ecological momentary assessment data (craving and withdrawal patterns in near real-time) of those attempting smoking cessation. Prior work that used daily paper forms to record this type of data suggested that it may be possible to predict when the probability of relapse is high or even if relapse is very likely (within 2-3 days.) "Using a palm-top computer program would allow us to record patients' craving and withdrawal patterns with much finer granularity than once per day paper forms" Kroth said. "If we can show a predictive pattern for relapse, this opens the door to future experiments with various palm-top computer interventions that could not only recognize when the probability of relapse is increasing but warn the patient or possibly even sabotage a relapse with a patient-tailored, palm-top intervention of some kind."

The study is funded for one year and includes funds to develop the software using an Apple I-Touch (basically an I-Phone without the phone functionality). The study also includes plans to test the device's ability to record the craving and withdrawal data on three groups of volunteers attempting smoking cessation recruited from the UNMH Smoking Cessation Clinic. Each of the three groups will be given the device and asked to keep it in the same place they used to keep their cigarettes. When they experience a craving, they will be asked to record it using the I-Touch for a period of two weeks. They will then return the devices and attend one of three focus groups where they will have the opportunity to relate what difficulties they had with using the device and what potential palm-top computer interventions they feel might be helpful to avert a relapse.

The project is a collaboration between Dr. Kroth and Ellen Cosgrove, MD, who is the director of the UNMH Smoking Cessation Clinic and who is helping with the study's data analysis as well as Summers Kalishman, PhD, who is helping with the design of the focus groups and the project's evaluation, Betty Skipper, PhD, who is providing biostatistical support, and Robert Williams, MD, who helped with the study's design and is providing consultation on directions for future grant applications to build on this work. The I-Touch software development and database design to record the patients' data is being performed by HSLIC's TECHS department.

Philip Kroth, MD
Director, Biomedical Informatics Research, Training and Scholarship

## LCME Accreditation Visit

In preparation for the upcoming Liaison Committee on Medical Education (LCME) accreditation site visit (February 21-24, 2010), School of Medicine faculty, students, and staff have spent the past several months conducting an Institutional Self-Study. Six subcommittees reviewed all aspects of the medical school environment. Co-chaired by HSLIC's Director, Holly Shipp Buchanan, MLn, MBA, EdD, and Teresa Anderson, MD, Assistant Professor in the Department of Pediatrics, the Educational Resources Committee was responsible for reviewing finances, general facilities, clinical teaching facilities, and information resources and library services.

Committee members examined the current status of the specific areas under review, noting improvements, deficiencies, missing documentation and new initiatives undertaken since the last review was held in 2003. Gathering information from various School of Medicine departments and clinical settings was only part of the process. Once the information was collected and entered into a database, the Educational Resources team drafted a summary and full description that was then incorporated into the comprehensive self-study report. More information about the School of Medicine's preparation for the LCME site visit and an executive summary of findings from all the subcommittees is available at: http://hsc.unm.edu/som/lcme.

Sarah Knox Morley, MLS, AHIP
Clinical Services Librarian, RUSS

**Information:**

| | |
|---|---|
| Library Information | 505-272-2311 |
| Library Administration | 505-272-0634 |
| Fax | 505-272-5350 |
| Web Address | **http://hsc.unm.edu/library** |

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**Library Hours:**

| | |
|---|---|
| **Monday -- Thursday** | **7:00 AM - 11:00 PM** |
| **Friday** | **7:00 AM - 6:00 PM** |
| **Saturday** | **9:30 AM - 6:00 PM** |
| **Sunday** | **Noon - 11:00 PM** |

**Holiday and break closures will be posted in the Library.**

## The Untangling of Diabetes Mellitus
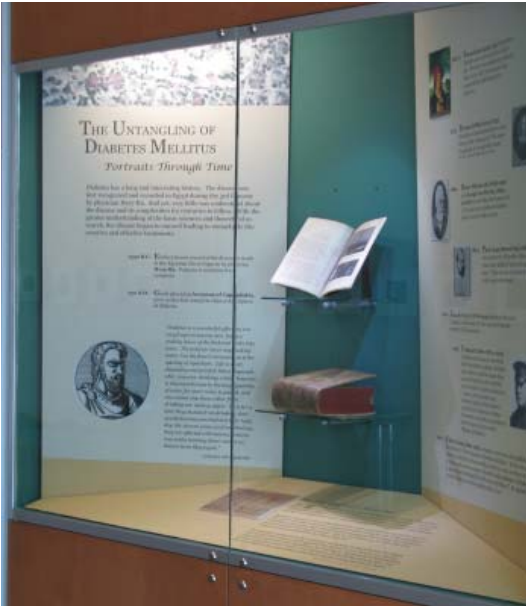
In conjunction with American Diabetes Awareness Month, HSLIC's Special Collections unit opened a new exhibit, "The Untangling of Diabetes Mellitus," which explores long and interesting treatment history of the disease. Along with the new exhibit HSLIC hosted a panel discussion on Wednesday, November 18, featuring some of UNM's premier researchers in the area of diabetes. Speakers for the session included David Bennahum, MD; Kathleen Colleran, MD; Sally Davis, PhD; Philip Eaton, MD; and Alberta Kong, MD, MPH.

Over the past two decades, diabetes has become a growing epidemic in the United States. According to a new study released earlier this year, nearly thirteen percent of adults age twenty and older have diabetes in the US. Minority groups continue to bear a disproportionate burden. The prevalence of diabetes, both diagnosed and undiagnosed, in non-Hispanic blacks and Hispanics is about seventy to eighty percent higher than that of non-Hispanic whites. The American Indian population is roughly three times more likely to have diagnosed diabetes than non-Hispanic whites. With New Mexico's diverse populations this disease is a challenge for the state. Research at UNM has focused on preventing diabetes and improving treatment for the disease including new models for providing care.

The exhibit will be on display through August 6, 2010, in the Domenici Center for Health Sciences Education auditorium lobby. The auditorium lobby is open Monday-Friday, 8:00 am - 6:00 pm. For more information on the exhibit, please contact Laura Hall at LJHall@salud.unm.edu.

Laura J. Hall, MFA
Manager, Special Collections