

The BMI Buzz

June 2008

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Issue 7



The University of Utah
Biomedical Informatics

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2nd Annual Reed Gardner Lecture

Andrew Balas, MD, PhD
*Scientific Knowledge Management
in the Digital Age*

Saturday, June 28, 2008
University of Utah
Health Sciences Education Bldg,
Room 1750
11:00 am

The Second Annual Reed M. Gardner Lecture will be held this month on Saturday, June 28th at 11:00 a.m..

Andrew Balas, MD, PhD, will present a seminar on “Scientific Knowledge Management in the Digital Age.” Dr. Balas is Dean of the College of Health Sciences at Old Dominion University in Norfolk, Virginia.

BMI Graduates

Graduates of the Department of Biomedical Informatics for the year were honored at a dinner held at the Alumni House on May 14. This year’s graduates include the following:

PhD Graduates:

Michael Buck. His dissertation title is “Development and impact of Computerized Clinical Decision Support Alerts on Prescribing for Elderly Outpatients.” His committee included: Peter Haug, Chair; Adam Wilcox; Nicola Camp; Cherie Bruncker; and Scott Narus. Mike is from Idaho Falls, ID.

Guilherme Del Fiol. His dissertation title is: “Content-Sensitive Information Retrieval (“Infobuttons”).” His committee included: Peter Haug, Chair; Joyce Mitchell; James Cimino; Chuck Norlin; and Scott Narus. Guilherme is from Sao Paulo, Brazil.

Scott Leroy DuVall. His dissertation title is: “Statistical Analysis of Duplicate Records in the University of Utah.” His committee included: Alun Thomas, Chair; David Avrin; Matthew Samore; Richard A. Kerber; and Kerry Rowe. Scott is from Salt Lake City.

Eric Scott Hall. His dissertation title is: “Extracting Practice Patterns from Structured Labor and Delivery Data.” His committee included: Sidney Thornton, Chair; Michael Varner; Mollie Poynton; Scott Narus; and Scott Evans. Eric is from El Toro, California. He will be accepting a position at Cincinnati Children’s Hospital with the Divisions of Neonatology and Biomedical Informatics and will receive a faculty position as a Research Instructor of Pediatrics from the University of Cincinnati. Eric is from Mission Viejo, CA.

Vojtech Huser. His dissertation title is: “Using Workflow Technology for Modeling of Clinical Processes.” His committee included: Scott Narus, Chair; Stanley Huff; Mollie Poynton; Roberto Rocha; and Peter Haug. Vojtech is from N. Moravia, Czech Republic.

Spencer S. Jones. His dissertation title is: “Emergency Department Operational Modeling and Forecasting.” His committee included: Scott Evans, Chair; Peter Haug; Gregory Snow; Alun Thomas; and Shari Welch. Spencer is from Austin, TX.

Jacob Stewart Tripp. His dissertation title is: “The Effect of Automated Inpatient Discharge Notifications on Primary Care Provider Followup.” His committee included: Stanley Huff, Chair; Adam Wilcox; Joseph Hales; Scott Narus; and Michael Magill. Jake is from Grantsville, Utah.

MS Graduates:

F. Isaac Kunz. His thesis title is “Mapping uml Models to EVS (ISO 11179 Standard) Meta-Models.” His committee included: Lewis Frey, Chair; Julio Facelli; and Stanley Huff. Isaac is from Redmond, Washington.

Gregory Swanson. His thesis title is “Utility of Syndromic Surveillance Methods to Detect RSV in a Primary Care Setting.” His committee included: Peter Haug, Chair; Alun Thomas; and Catherine Staes. Gregory is from Sierra Vista, Arizona.

Students complete BMI Certificate Program

Students **Mitch Perkins, Scott Welsh, and Travis McKenzie** have completed the BMI Certificate Program.

Mitch is a Clinical Information Systems Team Lead at Primary Children's Hospital. Scott is an MD doing clinical work, and Travis will attend medical school.

Nicola Camp receives Gardner Award

Dr. Nicola Camp was awarded the Reed M. Gardner Award for Faculty Excellence for the 2007-2008 school year. The award was presented at the department's awards lunch on May 1. The Gardner Award is a student-nominated, student-administered award. The winner is chosen by a committee of students who review nomination materials submitted by other students in the Biomedical Informatics and Nursing Informatics programs. Nominees are evaluated for their contributions

in teaching, mentoring, and service to the departments.

Students commented that Dr. Camp is an enthusiastic, knowledgeable, well-organized and well-prepared instructor. Many of the students described her as a caring mentor whose "door is always open" for students, and she provides patient, intent listening and helpful feedback and support for their concerns. She gives help to students to become independent researchers and gives credit to others for their work.

Guilherme Del Fiol is Houtchens Award winner

Guilherme Del Fiol is this year's recipient of the Bruce A. Houtchens, MD, Award in Medical Informatics and Telemedicine. The award was presented at the department's awards event on May 1, 2007. Guilherme received a certificate, an engraved clock, and a \$2,000 cash prize, presented by Dr. Joyce Mitchell. Maria Houtchens, wife of Dr. Houtchens, and their son Stepan were present for the presentation of the award.

Guilherme's winning paper focused on classification models for the prediction of clinicians' information needs.

The award was established in memory of Bruce A. Houtchens, M.D. Dr. Houtchens was a surgeon, physicist, mathematician, aeronautical and astronautical engineer, and a fine human being. His main interests included trauma surgery/critical care, space medicine, and clinical applications of telemedicine and biomedical informatics. It is hoped that this award will stimulate gifted students to open new horizons of medical technology, and seek better ways of integrating medical technology into medical education and clinical practice.

BMI students receive recognition

The BMI department enjoyed a pizza lunch and awards program on May 1.

Awards presentations included the following:

Kristina Thomas Brinkerhoff, Karl Diedrich, Ryan Abo, Bryce Christensen, Elizabeth Workman, Stephen Piccolo, Ming-Chin Lin, Deepthi Rajeev and **Martin Cryer** were recognized for their service as Teaching Assistants in BMI classes during the past year.

Martin Cryer and **Reid Holbrook** were recognized for their service as Student Representatives.

The 2008 IPHIE Student Representatives were recognized, as follows: **Guilherme Del Fiol, Spencer Jones, Laritza Taft, and Jacob Tripp.**

Student **Kristina Thomas Brinkerhoff** was recognized for the continuation of her grant; and post-doctoral student **Youssef Al-Sheikh** was recognized for submitting a grant application.

The Reed M. Gardner Award for Faculty Excellence and the Bruce A. Houtchens Award in Medical Informatics and Telemedicine were also presented at the meeting.

An opportunity to give

“The best use of life is to invest it in something which will outlast life.”

--William James

Your gift of any size does make a difference. Thank you in advance for your support.

(Please specify Biomedical or Medical Informatics.)

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Cash or Check Gifts – May be hand delivered or mailed to:

The University of Utah
Health Sciences Development
540 Arapeen, Ste. 120
Salt Lake City, UT 84108

BMI to host IPHIE

The Department of Biomedical Informatics at the University of Utah will have its turn at hosting the International Partnership for Health Informatics Education (IPHIE) Master Class next month.

IPHIE is a formal consortium of three U.S. and 3 international health informatics programs, dedicated to fostering a global view of informatics and informatics education. The U.S. members are University of Utah, University of Washington, and University of Minnesota. The European partners are University of Heidelberg/Heilbronn, the Amsterdam Medical Center, and UMIT (Austria). Every year IPHIE puts on a “Master Class,” a mix of informatics training and social activities. Each partner institution sends two faculty and four students to the meetings.

This year’s Master Class will be held in Salt Lake City, June 25-30. Out-of-town visitors will be housed in U of U student housing. A number of social events are planned, as well as a full program of informatics training and discussion. Regrettably, attendance is limited to IPHIE participants in order to keep the group’s work focused, but you can see what it is all about at the IPHIE 2008 Website: http://informatics.bmi.utah.edu/iphie/index.php/Main_Page

Students might find something here that stimulates their interest in applying for IPHIE 2009 in Amsterdam. **Dr. John Hurdle** is the faculty chairman of planning for this event, and **Professor Joyce Mitchell** will also be attending for Utah. (Article contributed by Dr. John Hurdle)

Honors, mentions and milestones

Carole Gassert, RN, PhD, FACMI, FAAN, has served as Director of Nursing Informatics and also as Associate Dean for Academic Affairs, Associate Dean for Information and Technology, and Associate Professor in the College of Nursing. She is retiring after many years of service in nursing.

Carole will continue her service in selected projects. Recently she was asked to be a member of the American Health Information Community’s Successor Transition Planning Group.

Dr. Nicola Camp will serve as a member of the Behavioral Genetics and Epidemiology Section, Center for Scientific Review, of the Department of Health and Human Services, for a two year term beginning July 1, 2008.

Jacob Budd, a student in **Scott Narus’s** Consumer Health Informatics (CHI) class, and Master’s student in Healthcare Administration, won the Computer Science Award in the Tech Titans competition (www.techtitans.utah.edu). His idea for a healthcare cost comparison website was based on information he learned in the CHI class.

National article cites U of U program

An article posted December 19, 2007, by Marty Nemko, in the U.S. News & World Report lists the career of Health Informatics Specialist as an “Ahead of the Curve” occupation. He describes some of the aspects of health informatics and related career opportunities, and cites the University of Utah as one of the “better-regarded” training programs. The link to this article is:

<http://www.usnews.com/articles/business/best-careers/2007/12/19/ahead-of-the-curve-health-informatics-specialist.html>

(Scott Narus brought this article to our attention.)

CTSA grant is funded

The Department is very pleased to announce that the University of Utah had its Clinical and Translational Science Award (CTSA) application funded in May. The official announcement came out in a press release on May 29, 2008 which read in part:

"Fourteen academic health centers in 11 states are the latest members of the National Institutes of Health's Clinical and Translational Science Award (CTSA) consortium. Creating a unique network of medical research institutions across the nation, the consortium is working to reduce the time it takes for laboratory discoveries to become treatments for patients and to engage communities in clinical research efforts. It also is fulfilling the critical need to train the next generation of clinical and translational researchers. The consortium is led by the National Center for Research Resources (NCRR), a part of the NIH."

The NIH intentionally centered these highly competitive awards on a Biomedical Informatics core, which was seen by the NIH as *the* critical core function that would make true translational research a reality. The Utah CTSA effort will be called the Center for Clinical and Translational Science (CCTS). Rounding out the CCTS, there are several other core groups in the CCTS (e.g., education, ethics, biostatistics, community participation, as well as others). Department faculty are involved in several of these other cores in addition to the Biomedical Informatics Core.

One novel feature of the application is a planned state-wide informatics infrastructure named FURTHeR (Federated Utah Research Translational e-Repository). When fully implemented, it will bring together data and metadata from the three largest healthcare networks in the state (University of Utah Healthcare Network; Intermountain Healthcare; and the Veterans Administration Healthcare System), in addition to the State Department of Health. Work has already begun on FURTHeR, work funded by University's Research Foundation long before the NIH announced the Utah CTSA award. That the University funded work on FURTHeR before the actual award is a strong vote of confidence in the Department's ability to carry forward with this ambitious project. FURTHeR promises to be an engine for research within the DBI for students and faculty alike, and it has already allowed **Dr. Roberto Rocha, Ms. Susan. Matney, and Mr. Rick Bradshaw** to join the Department in support of developing the new infrastructure."

The Department's contribution to the application was the result of the work of many, many people--far too long to list here but we owe them a great vote of thanks. **Dr. Joyce Mitchell** spearheaded the grant writing effort, with a substantial contribution from **Dr. John Hurdle** and **Dr. Julio Facelli**."

(Article contributed by Dr. John Hurdle)

Grants

Grant Awards

Lisa Cannon-Albright has been awarded a subcontract with Johns Hopkins Hospital (WB Isaacs) Titled "Prostate cancer susceptibility – the ICPCG Study (International Consortium on Prostate Cancer Genetics), the project aims to analyze genotypic data from regions of interest on high-risk pedigrees; gather epidemiology and demographic data on family members; initiate some methodological investigations that show promise for better dealing with genetic heterogeneity in attempts to interpret evidence for linkage. **Nicola Camp** is a co-investigator on the project.

Alun Thomas is a co-investigator on an NIH R01 on which Thai Minh Cao is the PI. "Cloning major genes for lethal GVHD in mice" hopes to identify genes at a locus on mouse chromosome 16 that renders major susceptibility to a severe and lethal form of graft-versus-host disease (GVHD). Gene discovery using this model will lead to novel approaches for effective therapy of GVHD and improve outcome for human patients who require allogeneic hematopoietic cell transplantation.

Grant Applications

An unprecedented total of 13 grant applications were submitted by Biomedical Informatics faculty during the first quarter of 2008. An application was also submitted by one of our students.

Nicola Camp submitted five grant applications. An application to the American Association for Cancer Research for the Landon Foundation-AACR INNOVATOR Award will develop a joint resource for an international collaborative genetic study of mature B-cell Non-Hodgkin Lymphoma, Chronic Leukemia and Multiple Myeloma with the goal of identifying susceptibility genes for these 3 diseases.

Dr. Camp submitted an NIH application, "Genetic Epidemiology of Multiple Myeloma" to identify and ascertain Utah high-risk multiple myeloma pedigrees for linkage analysis and shared genomic segment analysis and c ase-control cohorts for association analyses. **Lisa Cannon Albright** will serve as co-investigator on this project to generate genetic data and identify susceptibility genes for multiple myeloma.

(Continued on next page)

Grants, continued

Nicola Camp is PI of a subcontract to the NIH with the Mayo Clinic, Rochester MN. The goals of this project are to identify and ascertain Utah high-risk Non-Hodgkin Lymphoma (NHL) pedigrees for linkage analysis which will contribute to the national Genetic Epidemiology of NHL consortium resource. **Lisa Cannon-Albright** will work with Dr. Camp to perform a combined GEN genomic search, fine map significant linkage regions and identify susceptibility genes for Non-Hodgkin Lymphoma.

An application submitted to the Leukemia & Lymphoma Society by **Dr. Camp** is titled "Genetic Dissection of Myeloma: Genome-wide Association and Gene-Expression". Its goals are to identify germline variants that can recognize individuals at risk for myeloma, or more specifically poor prognosis myeloma, with the goal early detection, diagnosis, prognosis, risk stratification, treatment management and avenues for new therapeutic targets. **Lisa Cannon-Albright** is also a co-investigator on this project.

Nicola Camp is PI of an NIH/NIGMS project with Benjamin Horne of Intermountain Healthcare to study the "Relationship of routine fasting with longevity and the risk of coronary artery disease."

Roberto Rocha submitted a total of 4 grant applications during the past quarter. In January, he submitted an NIH R21 grant application titled "Development of Computerized and Interoperable Care Plans". It is a 2 year grant with the goal of developing care plans that can be used to help physicians to appropriately manage Downs Syndrome and Cerebral Palsy.

Dr. Rocha submitted "Definition of clinical disease phenotypes using an ontology" to the NLM in February. That study, on which **Lisa Cannon-Albright** is a co-investigator, has two main objectives: a) development of an extensible ontology of medical diagnoses, and b) preliminary evaluation of the ontology as a tool to automatically define reusable clinical disease phenotypes.

Dr. Rocha's third application includes **Kathy Sward** as a co-investigator. "Toward an ontology-based data access language" aims to implement and perform a preliminary evaluation of an ontology based data-access language for biomedical data sources.

Roberto Rocha is also PI on an NIH application titled "Implementation and evaluation of a pediatric medical home record". That project postulates that a parent-controlled electronic health record can be used as a tool to improve overall satisfaction of parents and providers of children with special needs while also improving care safety and outcomes. It will implement a parent-controlled, web-based record using an open source personal health record software platform.

In addition to the 4 collaborative projects, Lisa Cannon-Albright submitted 3 grant applications on which she is PI.

A DOD application titled, "Risk of NF1-related complications estimated in a population-based resource" will make observations on familial clustering of Utah NF1 cases and describe risks for NF1-related complications, including neoplasms and skeletal disorders, in diagnosed NF1 cases and in their unaffected relatives. **Dr. Cannon-Albright** will then examine inter- and intra-familial variability of NF1-related complications.

Lisa Cannon-Albright also submitted an application to the Sandler Program for Asthma Research. "Fine mapping and cloning of a chromosome 5q asthma predisposition gene in Utah high-risk asthma pedigrees" will use a proven approach to identify an asthma predisposition gene.

Dr. Lisa Cannon-Albright submitted a grant application through the Veteran's Administration titled "Creation And Analysis Of A Genealogy/Medical Phenotype Resource".. It is a 3-year project to build a genealogy for Utah and Massachusetts, link to all appropriate VA patients in these 2 states, and analyze phenotypes with sufficient sample sizes. A non-identifiable version of the genealogy data linked to the VA diagnosis data will be used for population-based analyses of the heritable contribution to health-related phenotypes.

John Hurdle submitted an R21 application on which **Stephane Meystre** is a co-investigator. The project proposes to build and publish a tool called POET (Parsable Output Extracted from Text). POET will be designed to accept unstructured textual documents in electronic health records and return structured, linguistic equivalents that are, to the extent possible, parsable by higher-level NLP engines.

One of our students, **Youssef Al-Sheikh**, submitted an application titled "Building adaptive diabetic treatment models from accumulated clinical data in a diabetes data mart" to the Burroughs Wellcome Fund. If funded, it will support him on a five-year fellowship.

Drs. Cannon-Albright, Rocha, Thomas and Clark are planning grant applications for June. **Dr. Camp** plans to re-submit 2 proposals for July.

Publications

Cannon-Albright LA. (Editorial) Detection of aneurysm. *J Neurosurg* 108(6) 1-2.

Allen-Brady K, Coon H. (Book Chapter) "The Value of Large Pedigrees for Chromosome Mapping in the Era of Dense Marker Sets." *Genes, Chromosome Mapping*. 2008 © Nova Publishers. Pages not yet assigned.

Allen-Brady K, Miller J, Matsunami N, Stevens J, Block H, Farley M, Krasny L, Pingree C, Lainhart J, Leppert M, McMahon WM, and Coon H: A high-density SNP genome-wide linkage scan in a large autism extended pedigree. *Mol Psychiatry*. 2008 Feb 19; [Epub ahead of print] PMID: 18283277 [PubMed - as supplied by publisher]

Dupuis J, Albers K, **Allen-Brady K,** Cho K, Elkton RC, Kappen HJ, Tang H, **Thomas A,** Thomson G, Tsung E, Yang Q, Zhang W, Zhao K, Zheng G, Ziegler JT. Effect of linkage disequilibrium between markers in linkage and association analyses. *Genet Epidemiology*. 2007;31 Suppl 1:S139-48

Allen-Brady K, Miller J, Stevens J, Block H, Farley M, Krasny L, Pingree C, Lainhart J, Lapper M, McMahon WM, Coon H. The Value of Large Pedigrees for Chromosome Mapping in the Era of Dense Marker Sets: *International Journal of Medical and Biological Frontiers* 14: (1/2)9-22. 2008.

Cameron DJ, Yang Z, Tong Z, Zhao Y, Praggastis A, Brinton E, Harmon J, Chen Y, Pearson E, Bernstein PS, Brinton G, Li X, Jorgensen A, Schneider S, Gibbs D, Chen H, Wang C, Howes K, **Camp NJ,** Zhang K. 10q26 is associated with increased risk of age-related macular degeneration in the Utah population. *Adv Exp Med Biol*. 613:253-8.

Gibbs D, Yang Z, Constantine R, Ma X, **Camp NJ,** Yang X, Chen H, Jorgenson A, Hau V, Dewan A, Zeng J, Harmon J, Buehler J, Brand JM, Hoh J, Cameron DJ, Dixit M, Tong Z, Zhang K. Further mapping of 10q26 supports strong association of HTRA1 polymorphisms with age-related macular degeneration. *Vision Res*. 2008 Feb;48(5):685-689. Epub 2008 Jan 22. PMID: 18207215 [PubMed - as supplied by publisher]

Florell SR, Myeter LJ, Boucher KM, Grossman D, **Cannon-Albright LA,** Harris RM, Samlowski WE, Zone JJ, Leachman SA. Increased Melanocytic Nevi and Nevus Density in a G34T CDKN2A/p16 Melanoma-prone Pedigree. *Journal Investigative Dermatology*, 2008 Mar 13; [Epub ahead of print] PMID: 18337833

Crockett D et al. Human Proteinpedia enables sharing of human protein data. *Nat Biotechnol* 26(2):164-7. February 2008.

Bohling SD, Jenson SD, **Crockett DK,** Schumacher JA, Elenitoba-Johnson KS, Lim MS. Analysis of gene expression profile of TPM3-ALK positive anaplastic large cell lymphoma reveals overlapping and unique patterns with that of NPM-ALK positive anaplastic large cell lymphoma. *Leuk Res* 32 (3):383-93. March 2008.

Escobar H, **Crockett DK,** Reyes-Vargas E, Rockwood AL, Jensen PE, Delgado JC. Large Scale Mass Spectrometric Sequencing of Peptides Eluted from HLA-B35 Molecules Revealed Broad and N-terminal Extended Peptide Motifs. Poster presentation. The American Association of Immunologists. Experimental Biology Annual Meeting. San Diego, CA. April 2008.

Hulse NC, Del Fiol G, Bradshaw RL, Roemer LK, **Rocha RA.** Towards an on-demand peer feedback system for a clinical knowledge base: a case study with order sets. *J Biomed Inform*. 2008 Feb;41(1):152-64. Epub 2007 May 18.

Jones SS, Thomas A, Evans RS, Welch SJ, Haug PJ, Snow GL. Forecasting daily patient volumes in the emergency department. *Acad Emerg Med*. 2008 Feb;15(2):159-70. PMID: 18275446 [PubMed - indexed for MEDLINE]

Pestotnik SL, Olson JB. Computer-assisted programs to optimize antimicrobial use – Chapter 16. In: Owens RC, Lautenbach E, eds. *Antimicrobial Resistance: Problem Pathogens and Clinical Countermeasures*. New York, NY: Informa Healthcare USA, Inc, 2008.

Thomas A, Camp NJ, Farnham JM, Allen-Brady K, Cannon-Albright LA. Shared genomic segment analysis. Mapping disease predisposition genes in extended pedigrees using SNP genotype assays. *Ann Hum Genet*. 2008 Mar; 72(Pt 2):279-87. Epub 2007 Dec 18. PMID: 18093282 [PubMed - in process]

Presentations

Abo R, Lin WY, Shephard N, Cox A, **Camp NJ**. "Identification of CASP8 haplotypes associated with breast cancer." Presentation. National Library of Medicine Conference. Bethesda, MD, July 2008.

Abo R, Lin WY, Shepherd N, Balasubramanian SP, Reed MW, Cox A, Camp NJ. "Identification of CASP8 haplotypes associated with breast cancer using haploConstructor." Presentation. American Association for Cancer Research. San Diego, CA. April 12-16, 2008.

Dr. Cannon-Albright hosted this year's International Consortium for Prostate Cancer Genetics Meeting. (ICPCG) This meeting includes over twenty groups from all over the world, who study high risk prostate cancer pedigrees. **Bryce Christensen, Ph.D candidate**, presented, as well as ARUP collaborator, Karl Voelkerding. Snowbird, Utah, April 2008.

Randall RL, Lessnick SL, Kerber R, Virshup D, Coffin CM, Chen LL, **Cannon-Albright LA**. Familial Clustering of Ewing's Sarcoma Observed in a Population-based Resource. Accepted for 75th Annual Meeting of the American Academy of Orthopedic Surgeons, San Franc Records in the University of Utah.

Christensen GB "The SumLINK statistic for linkage analysis: Application to the ICPCG pooled linkage resource." International Meeting Presentation. International Consortium for Prostate Cancer Genetics Meeting, Snowbird Utah. April 10-11, 2008.

Curtin K, Cox A, **Cannon-Albright L**, **Camp NJ**. "The role of disease-based discovery panels in tSNP selection." Presentation. AACR annual meeting, San Diego, CA, April 12-16, 2008.

Frey L. "Cyber-enabled Discovery and Innovation." Panel member. National Science Foundation. Washington, DC. February 14-15, 2008.

Hall ES. "Analysis of Patient Outcomes Using Computerized Labor and Delivery Data." Presented at the Cincinnati Children's Hospital Medical Center Biomedical Informatics Seminar, Cincinnati, Ohio, February 2008.

Hurdle JF. "NLP in Support of Translation Informatics: 'text' is not a four-letter word" Invited talk. Oregon Health Sciences University, Department of Medical Informatics and Clinical Epidemiology. *Location?* March 13, 2008.

Mitchell JA, Beaudoin DE, Longo N, Logan R. "Using the 'Info Rx' Process to Refer Parents of Newborns with Metabolic Conditions Identified by Screening to the Genetics Home Reference Web Site for Health Information." Poster presentation. Utah Library Association meeting. Salt Lake City, UT. April 30-May 1, 2008.

Morris A, Dean M, Haug P, Miller R. "US Government role in decision support." Panel presentation. AMIA meeting, San Francisco, CA. March 10, 2008.

Morris A. "Reengineering Clinical Research in Critical Care". 4th Annual Utah Health Services Research Conference, Salt Lake City, UT. April 25, 2008.

Robinson T. "Creation and Usability Testing of a Web-Based Pre-Scanning Radiology Patient Safety and History Questionnaire Set," Poster presentation. 2008 Annual Meeting of the Society for Imaging Informatics in Medicine (SIIM). Seattle, WA. May 15-18, 2008.

Sorenson D. "Frame-Based Tool For Point-Of-Care Computerized Protocols." 4th Annual Utah Health Services Research Conference, Salt Lake City, UT. April 25, 2008.

Sward K. "Reasons For Declining Instructions From A Computer-Based Insulin Protocol." Presentation. 4th Annual Utah Health Services Research Conference, Salt Lake City, UT. April 25, 2008.

Teerlink CC, Hegewald MJ, **Cannon-Albright LA**. Assessing the risk of asthma in relatives of cases in the Utah population. Regional Invited Presentation. 4th Annual Utah Health Services Research Conference. Salt Lake City, Utah, April 25, 2008.

Teerlink CC, Hegewald MJ, **Cannon-Albright LA**. Assessing the risk of asthma in relatives of cases in the Utah population. Presentation. 4th Annual Utah Health Services Research Conference. Salt Lake City, Utah, April 25, 2008.

Do you have items for the newsletter?

If you have items for the next newsletter you can submit them **at any time** up to the deadline (in July, exact date to be announced later) to Kathy Stoker at kathy.stoker@hsc.utah.edu. Items of interest include new grants and contracts, awarded or applications submitted; papers and publications published; talks and presentations given, participation in meetings, posters presented; work or research or awards or honors that show what BMI students and faculty are doing in the informatics community. For more information, contact Kathy at the above address or call her at (801) 585-3337.

If you have an idea for improving the BMI Buzz, contact Kathy, or Dr. Scott Narus, newsletter advisor.

Change of email address?

If your email address or other contact information changes, please contact BMI secretary JoAnn Thompson at joann.thompson@hsc.utah.edu. She keeps track of student and alumni records and contact information.