

University of Utah, Biomedical Informatics Success at AMIA 2013 Annual Symposium, Washington, DC

The Department of Biomedical Informatics was well represented at AMIA this year. Please join us in congratulating and recognizing the following for their awards, elections and participation in the AMIA 2014 Annual Symposium.

AWARDS

Distinguished Paper Award nomination and Harriett Werley Award (NI)
Information Requirements for Health Information Exchange Supported Communication between Emergency Departments and Poison Control Centers *M.R. Cummins; B.I. Crouch; G. Del Fiol; B. Mateos; A. Muthukutty; A. Wyckoff*

The best informatics papers of the year at the Informatics Year in Review session
Clinical Questions Raised by Clinicians at the Point of Care **A Systematic Review**
Guilherme Del Fiol, MD, PhD¹; T. Elizabeth Workman, PhD, MLIS²; Paul N. Gorman, MD³

Honorable Poster Award
Iterative design of an Interactive Clinical Evidence Summarization Tool *Del Fiol G, Pu D, Weir CR, Medlin R, et al*

Nominee for Homer Warner Award
Information Requirements for Health Information Exchange Supported Communication between Emergency Departments and Poison Control Centers *Cummins MC, Crouch B, Del Fiol G, Mateos B, Muthukutty A, Wyckoff A.*

Nominee for Distinguished Paper Award
Information Requirements for Health Information Exchange Supported Communication between Emergency Departments and Poison Control Centers *Cummins MC, Crouch B, Del Fiol G, Mateos B, Muthukutty A, Wyckoff A.*

Orthner Travel Award – *Megha Kalsy, Polina Kukhareva*

PAPER PRESENTATIONS

AMIA 2014 NLP WG Pre-symposium
A Doctoral Consortium and a Workshop on Interoperability of Clinical NLP Systems (PhD Proposal) *Begum Durgahee*

Information Requirements for Health Information Exchange Supported Communication between Emergency Departments and Poison Control Centers *M.R. Cummins; B.I. Crouch; G. Del Fiol; B. Mateos; A. Muthukutty; A. Wyckoff*

Iterative design of an Interactive Clinical Evidence Summarization Tool *Del Fiol G, Pu D, Weir CR, Medlin R, Jonnalagadda S, Mishra R, Slager S, Mostafa J*

Development of an Alert System to Detect Drug Interactions with Herbal Supplements using Medical Record Data *J. Proulx; M. Archer; L. Shane-McWhorter; B.E. Bray; Q.T. Zeng*

Congestive Heart Failure Information Extraction Framework (CHIEF) Evaluation *S. Meystre; Y. Kim; A.M. Redd; J.H. Garvin*

Improving Clinical Data Integrity by using Data Adjudication Techniques for Data Received through a Health Information Exchange (HIE) *P. RanadeKharkar; S.E. Pollock; D.K. Mann; S.N. Thornton*

Concordance of Electronic Health Record (EHR) Data Describing Delirium at a VA Hospital *J.T. Spuhl; K.M. Doing-Harris; S.D. Nelson; N.A. Estrada; G. Del Fiol; C. Weir*

Differences in Nationwide Cohorts of Acupuncture Users Identified Using Structured and Free Text Medical Records *D. Redd; Q.T. Zeng*

Evaluation studies of the Librarian Infobutton Tailoring Environment (LITE): An open access online knowledge capture, management, and configuration tool for OpenInfobutton *X. Jing; J.J. Cimino; G. Del Fiol*

Automatically Enhancing Discharge Instructions with Pictographs to Improve Patient Recall and Satisfaction *B.D. Hill; S.I. Perri; J. Kuang; R. Morris; K. Doyon; B.E. Bray; Q.T. Zeng*

Enabling Locally-Developed Content For Access Through the Infobutton By Means of Automated Concept Annotation *N. Hulse; J. Long; X. Xu; C. Tao*

HIT Standards: A Year of Change, Innovation, and Challenge *W.E. Hammond; S.M. Huff; D.B. Fridsma; C.G. Chute; S. Posnack; C. Jaffe*

Considerations Of Dual Process Theories For Her Design *C. Weir; B. Gibson; A.H. Morris; J.M. Butler; M. Samore; J.Nebeker*

Problem Management Module: An Innovative System to Improve Problem List Workflow *C.M. Hodge; K.G. Kuttler; W.A. Bowes; S.P. Narus*

Clinical Decision Support for Whole Genome Sequence Information Leveraging a Service-Oriented Architecture: a Prototype *B.M. Welch; S. Loya; K. Eilbeck; K. Kawamoto*

Federating Air Quality Data with Clinical Data *R. Gouripeddi; N. Rajan; R.K. Madsen; P.B. Warner; J. Facelli*

Extracting Concepts Related to a Homelessness from the Free Text of VA Electronic Medical Records *A.V. Gundlapalli; M.E. Carter; G. Divita; S. Shen; M. Palmer; B.R. South; B. Durgahee; M. Samore*

Sophia: An Expedient UMLS Concept Extraction Annotator *G. Divita; Q.T. Zeng; A.V. Gundlapalli; S.L. DuVall; J. Nebeker; M. Samore*

Evaluation of need for ontologies to manage domain content for the Reportable Conditions Knowledge Management System *K. Eilbeck; J. Lipstein; S. McGarvey; C.J. Staes*

Automated Detection of Early Physiological Deterioration in Hospitalized Patients *R. Evans; K.G. Kuttler; K.J. Simpson; S. Howe; P.F. Crossno; K.V. Johnson; M.N. Schreiner; J. Lloyd; W.H. Tettelbach; R.K. Keddington; A.B. Tanner; C. Wilde; T.P. Clemmer*

Clinical Decision Support-based Quality Measurement (CDS-QM) Framework: Prototype Implementation, Evaluation, and Future Directions *P. Kukhareva; K. Kawamoto; D.E. Shields; D. Barfuss; A. Halley; T.J. Tippetts; P.B. Warner; B.E. Bray; C.J. Staes*

Developing a Section Labeler for Clinical Documents *P.J. Haug; X. Wu; J.P. Ferraro; G. Savova; S.M. Huff; C.G. Chute*

POSTER PRESENTATIONS

The Can (thecan.apphb.com): a repository of decision support rules relating to laboratory test *S.D. Nelson; R.G. Hauser*

Value Transparency in Health Information Exchange as a Mechanism to Enrich Patient Participation *G.B. Baker; S.N. Thornton; S. He; D.K. Mann; J. Gagner; P. RanadeKharkar*

Identification of Common Concepts for Clinical Decision Support and Mapping to the Health Level 7 Virtual Medical Record Data Model *Yanhua Lin; Brandon M. Welch; Tyler J. Tippetts; Polina Kukhareva; David E. Shields; Catherine J. Staes; Vijayabhaskar R. Kandula; Bruce E. Bray; Kensaku Kawamoto*

Gathering Information for Situation Models of Syndrome Identification *K.M. Doing-Harris; C. Weir*

Streamlining Health Information Exchange Workflows through Automated Disclosure Control Services *S. He; D.K. Mann; L. Schildknecht; S.N. Thornton*

Integrating a Diagnostic Decision Support Tool into an Electronic Health Record and Relevant Clinical Workflows through Standards-Based Exchange *N. Hulse; G.M. Wood; S. Lam; M. Segal*

Methods for Early Stakeholder Engagement for Implementation of Health Information Technology *M. Kalsy; N. Kelly; J.H. Garvin; M.K. Goldstein*

Developing a Knowledge Base for Detecting Carotid Stenosis with pyConText *D.L. Mowery; D. Franc; S. Ashfaq; E. Cheng; T. Zamora; W.W. Chapman; B.E. Chapman*

Machine Learning Made Easy with Sherlock *T. Ginter; O.V. Patterson; R. Cornia; S.L. DuVall*

Automatic Engine for Mapping Mycobacteriology Reports to SNOMED-CT *O.V. Patterson; S.D. Nelson; M.L. Jones; K. Findley; K.L. Winthrop; K.P. Fennelly; S.L. DuVall*

Feasibility of the SBAR Discharge Summary Format *F. Sakaguchi; L. Lenert*

SimProtocols – A Software Prototype for In Silico Comparison and Evaluation of Computer-based IV Insulin Infusion Protocols *A. Wong; S.K. Nachimuthu; P.J. Haug*

Online Patient Center: Expanding Patient Portals by Integrating Patient-Generated Data Directly into a Primary Care Provider’s HER Workflow *J. Ethington; J. Shi; S.D. Nelson*

Adopting a Collaborative Program Evaluation Model to Aid Administration and Evaluation of a Large-Scale Public Health IT Grant *J. Cardwell; K.M. Doing-Harris; M. Kalsy; W. Xu; J.H. Garvin*

Crowdsourcing and Development of Health-related Pictographs for Minority Groups by Gaming - A Focus Group Study *C.M. Christensen; Q.T. Zeng; S.I. Perri; E. Lake; B.E. Bray; H. Aiono; M. Malheiro*

v3NLP Marshallers: Providing NLP Workflow Interoperability *G. Divita; B.R. Ivie; Q.T. Zeng*

De-duplicating Distributed Research Cohorts using Health Information Exchange Identity Services *J. Ethington; J.M. Westberg; S. He; D.K. Mann; S.N. Thornton*

Medication Prescription Status Classification in Clinical Narrative Documents *Y. Kim; J.H. Garvin; J. Heavirland; J. Williams; S. Meystre*

A Case Study on Integrating a Genealogy Database into a Consumer- Facing Family Health History Tool *J. Lee; N. Hulse; D.P. Taylor; P. RanadeKharkar; G.M. Wood; P.J. Haug; S.M. Huff*

Rapid NLP Development with Leo *R. Cornia; O.V. Patterson; T. Ginter; S.L. DuVall*

Check it with Chex: A Validation Tool for Iterative NLP Development *S.L. DuVall; R. Cornia; T.B. Forbush; C.H. Halls; O.V. Patterson*

Effect of Pre-annotation on Annotation Time *A.M. Redd; Y. Kim; S.Meystre; J. Heavirland; A. Weaver; J. Williams; J.H. Garvin*

A System Usability Study Assessing a Machine-Assisted Interactive Interface to Support Annotation of Protected Health Information in Clinical Texts *B.R. South; D. Mowery; C. Leng; S. Meystre; W. Chapman*

Value Set Management to Enable Interoperable Clinical Decision Support: Development, Use, and Initial Evaluation of the OpenCDS Value Set Manager *T.J. Tippetts; P.B. Warner; D.E. Shields; S. Rodriguez-Loya; C.J. Staes; K. Kawamoto*

Disease/Disorder Semantic Template Filling – Information Extraction Challenge in the ShARe/CLEF eHealth Evaluation Lab 2014 *S. Velupillai; D.L. Mowery; L. Christensen; N. Elhadad; S. Pradhan; G. Savova; W. Chapman*

Developing an online social network platform to collect family health history *B.M. Welch; R.F. Lario; J. Schiffman*

What women want? Expressing women’s voice on contraception *K. Damal; R. Morris; Q.T. Zeng*

Efficient Translation of EHR Free-Text Data to Coded Data PRN *C.M. Hodge; T. Prithvi; N. Maram; K.G. Kuttler; S.P. Narus*

RECOGNITIONS

Kathy Sward moderated Session 40 Papers/Podium Presentations – Delivering Health Informatics to the Public

Kathy Sward – member of the Scientific Program Committee

Gang Luo coordinated the judging for the Homer Warner Award

Phil Brewster – recognized as an outstanding reviewer

John Hurdle chaired Session S38 Papers/Podium Presentations – Predicting Risk of Disease

Stephane Meystre – led first part of doctoral consortium

ACMI at 30 – Evolution of Themes and Topics in Biomedical and Health Informatics B. Humphreys; P. Szolovits; P.F. Brennan; G. Hripcsak; S. Liaw; L. Ohno-Machado; **W. Chapman**; I.N. Sarkar

TUTORIALS

Introduction to Biomedical Informatics *Joe Hales, Chris Cimino*