

ELMER VICTOR BERNSTAM, M.D., M.S.E., M.S., F.A.C.P.

(Updated September 24, 2009)

CONTACT INFORMATION	School of Health Information Sciences University of Texas Health Sciences Center at Houston 7000 Fannin St. Suite 600 Houston, TX 77030 Phone: 713 500-3901 Fax: 713 500-3929 E-mail: Elmer.V.Bernstam@uth.tmc.edu WWW: http://www.sahs.uth.tmc.edu/evbernstam/	
LICENSES	Licensed to practice medicine in the states of Michigan and Texas	
BOARD STATUS	Board Certified , American Board of Internal Medicine	Aug 1998
EDUCATION	National Library of Medicine Fellow Medical Information Sciences Department of Internal Medicine Stanford University Medical Center Research: Clinical practice guidelines (InterMed project) Cost-benefit analysis in health care Information retrieval Master of Science Degree 2001	Sep 1999-Oct 2001
	Master of Science in Engineering (M.S.E.) Computer Science and Engineering, University of Michigan College of Engineering	Aug 1999
	Medical Doctorate (M.D.) Integrated Medical-Premedical (INTEFLEX) program University of Michigan Medical School	Jun 1995
	Dual Degree Program (B.S.E. and B.S.) Bachelor of Science in Engineering (B.S.E. Magna Cum Laude) Computer Engineering University of Michigan College of Engineering <i>and</i>	Jun 1992
	Bachelor of Science (B.S. with Distinction) Dual majors in Biomedical Sciences and Psychology University of Michigan College of Literature, Science and the Arts	Jun 1992
LANGUAGES	Fluent in spoken and written Russian	
PROFESSIONAL AFFILIATIONS	American College of Physicians (ACP) American Medical Informatics Association (AMIA) Association for Computing Machinery (ACM)	
HONORS AND AWARDS	John P. McGovern Teaching Award Fellow American College of Physicians (ACP) NASA Summer Faculty Fellow Eta Kappa Neu (Electrical and Computer Engineering Honor Society) Elected Chair of the SHIS Faculty Governance Organization	May 2005 Oct 2004 Apr 2002 1988 2002-2005

HONORS AND AWARDS TO STUDENTS

(Total = 16 honors/awards)

1. Herskovic Jorge R. – Keck fellowship 2005, 2006, SHIS Competitive Academic Scholarship 2003, Google summer fellowship 2006
2. Edmonson, Sarah E. – First place (Infomatics), UTH Research Day 2004
3. Walji, Muhammad -- Third place UT Research Day 2003 and 2005, bronze medal Medinfo 2004, HIMSS national scholarship 2005
4. Sagaram, Smitha – First place UT Research Day 2003, Dean’s scholarship 2003, HIMSS regional scholarship 2003, HIMSS national scholarship 2003
5. Smith, Kim – Texas Veterinary Medical Foundation Grant (\$5,450) 2005, Second place UTH (informatics) Research Day 2005
6. Bailey, Ebony – Minority Faculty Association Scholarship 2004
7. Tanaka, Len Y. – NLM post-doctoral fellowship

EMPLOYMENT

Associate Professor (with tenure) Sep 2006 - present
School of Health Information Sciences
Department of Internal Medicine

Director, Biomedical Informatics Component
(Co-director Sep 2006 – Sep 2008)
Center for Clinical and Translational Research (CCTS)

University of Texas Health Science Center at Houston
Houston, TX

Head of Clinical Informatics Focus Jan 2002 - present
School of Health Information Sciences
University of Texas Health Science Center at Houston
Houston, TX

Faculty Jan 2002 - present
W. M. Keck Center for Computational Biology
Graduate Program in Structural & Computational Biology &
Molecular Biophysics (Baylor College of Medicine)
Houston, TX Aug 2009 - present

Assistant Professor Oct 2001 - Sep 2006
School of Health Information Sciences
Department of Internal Medicine
University of Texas Health Science Center at Houston
Houston, TX

Clinical Instructor Nov 1999 - Oct 2001
Department of Internal Medicine
Stanford University Medical Center
Stanford, California

Attending Physician Dec 1998 - Sep 1999
Packard Community Clinic
Ann Arbor, Michigan

House Officer Jun 1995 - Jun 1998
Department of Internal Medicine
St. Joseph Mercy Hospital
Ann Arbor, Michigan

Clinic President, Academic Internal Medicine Clinic Jun 1997 - Jun 1998

Programmer/Research Assistant Jul 1989 - Sep 1995
Responsibilities: Wrote and maintained original GUIs for research projects
University of Michigan School of Public Health
Ann Arbor, Michigan

Medical Technician Summer 1988
Clinical Pathology Laboratories
Catherine McAuley Health Systems
Ann Arbor, Michigan

Computer Technician Summer 1987
Responsibilities: Installed and maintained laboratory computer systems
Clinical Pathology Laboratories
Catherine McAuley Health Systems
Ann Arbor, Michigan

SCIENTIFIC SERVICE

Scientific Program Committee
American Medical Informatics Association Fall Symposium 2002, 2009
AMIA Fall Symposium Student Paper Competition Reviewer 2009
American Medical Informatics Association Clinical Research Informatics Summit 2010
National Health Information Technology Summit – a Washington-Texas Dialogue,
Houston, TX April 15-6, 2008 (Co-Chair, Scientific Program Committee)

Ad hoc reviewer:

Journal of the American Medical Informatics Association (JAMIA)
International Journal of Radiation Oncology, Biology, Physics
Annals of Internal Medicine
Artificial Intelligence in Medicine
American Medical Informatics Association Fall Symposium (1996-present)
MedInfo (2001, 2004, 2007)
Medical Informatics Europe (2002)
Journal of Biomedical Informatics
Journal of Medical Internet Research
BMC Informatics
The American Journal of Managed Care
Information Retrieval
British Medical Journal
Medical Decision Making
Journal of Health Psychology
Cancer

Reviewer:

Pennsylvania Department of Health (2002) Bioinformatics Panel
Infectious Disease (Panelist), Cancer (Chair)
Department of Homeland Security Fellowship/Scholarship panel (2003), (2004, Chair),
(2005, Chair), (2006, Chair), (2007, Chair)
A Moment of Science Review Panel (radio series, 2003-2006)
National Institutes of Health (NIH) Panels
ZRG1 BST-Q (01) Software maintenance and extension (R01) (2/2008)
ZRR1 CR-1 (01) Clinical and translational science awards (U54) (2/2008)
ZRR1 RI-8 (01) RCMI Infrastructure for Clinical and Translational Research
(U54) (3/2009)
ZRG1 BST-Q (01) Software maintenance and extension (6/2009)
ZRG1 HDM-G (58) R Challenge grant editorial panel 3 (6/2009)
ZRG1 HDM-P (58) R Challenge grant editorial panel 26 (6/2009)

National Science Foundation (NSF) Panels
III-Medium-Information Retrieval panel (2/2008)
Florida Centers of Excellence Program (2008)

External Advisory Boards

University of New Mexico Clinical and Translational Science Center (CTSA planning grant)

Session Chair

American Medical Informatics Association Fall Symposium 2002 (San Antonio, TX)
Medinfo 2007 (Brisbane, Australia)
Panel moderator, Translational Bioinformatics, HealthGrid2008 (Chicago, IL)
American Medical Informatics Association Fall Symposium 2008
(Washington, DC)
American Medical Informatics Association Spring Congress 2009 (Orlando, FL)

**RESEARCH FUNDING
(CURRENT)**

1. Concept-Level Methods for Comparative Effectiveness Research
PI: Elmer V. Bernstam
Amount: \$951,776
Dates: 9/24/09 – 8/31/11 (30% effort)
Funding agency: NIH/NCRR (1 RC1 RR 028254)
2. Privacy in Large Biomedical Databases (National Library of Medicine Fellowship)
PI: Elmer V. Bernstam
Amount: \$51,036
Dates: 10/1/09-9/31/2011
Funding agency: Gulf Coast Consortium for Computational and Structural Biology
Stipend recipient: J. Mark Ettinger, PhD
3. Training Excellence in Aging Studies (TEXAS)
PI: Carmel B Dyer (Bernstam: Director Informatics)
Amount: \$3.25M
Dates: 1/1/09 – 12/31/12 (10% effort)
Funding agency: Reynolds Foundation
4. Center for Clinical and Translational Sciences (CCTS)
PI: David D. McPherson (Bernstam: Director Informatics)
Amount: \$36M (Biomedical Informatics \$3M)
Dates: 9/30/06 – 6/30/11 (31% effort)
Funding agency: NIH/NCRR (1 UL1 RR 024148)
5. Survey of Veterinary Electronic Medical Records
PI: Elmer V. Bernstam / Kimberly Smith
Amount: \$2,300
Dates: 1/1/04 – 12/31/09 (0% effort)
Funding agency: Texas Veterinary Medical Foundation
6. Knowledge-guided mining of a clinical data warehouse for lipotoxicity research
PI: Elmer V. Bernstam
(CCTS Program Planning Grant PI: Perry Bickel; 0% effort)
Amount: \$20,000
Dates: 2008-2009
Funding agency: CCTS (NCRR)

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7. The University of Pittsburgh Clinical and Translational Science Institute
Administrative Supplement: National Biomedical Informatics Resource Inventory
PI: Elmer V. Bernstam
(Overall Administrative Supplement PI: Michael J. Becich)
Amount: \$16,640
Dates: 9/15/08-6/30/09
Funding agency: NIH/ NCRR (3UL 1RR024153-03S1)
8. Preventing inpatient medical errors by improving nurse-doctor communication via telephone
PI: Elmer V. Bernstam
Amount: \$100,000
Dates: 7/1/2009-6/31/2010 (15% effort)
Funding agency: The University of Texas System
9. Development of an Inter-University Oral Health Research Database
PI: Muhammad F. Walji (Bernstam: Co-I)
Amount: \$448,506.00
Dates: 7/1/2009-6/31/2012 (5% effort)
Funding agency: NIH/NLM (1 G08 LM 010075)

RESEARCH FUNDING (COMPLETED)

1. Usability Evaluation of CHCS/AHLTA and Cerner CPOEs.
PI: Jiajie Zhang (Bernstam: Co-Investigator)
Amount: \$157,940
Dates: 3/1/08 – 2/28/09 (5% effort)
Funding agency: DOD/Mission Hospitals
2. Center for Research Translation in Scleroderma (CORT)
PI: Frank C. Arnett (Bernstam: Co-Investigator)
Amount: \$7.5M
Dates: 9/1/07 – 8/31/08 (5% effort)
Funding agency: NIAMS/NIH
3. Using citation data to improve retrieval from MEDLINE
PI: Elmer V. Bernstam
Amount: \$486,000
Dates: 7/1/04 – 6/30/08 (50% effort)
Funding agency: NIH/NLM (1 K22 LM 008306)
4. Predicting citation behavior (National Library of Medicine Fellowship)
PI: Elmer V. Bernstam
Amount: \$51,615
Dates: 6/15/2006-6/15/2007
Funding agency: Gulf Coast Consortium for Computational and Structural Biology
Stipend recipient: Len Y. Tanaka, MD
5. Evaluation of ranking algorithms for information retrieval (Keck Center Fellowship)
PI: Elmer V. Bernstam
Amount: \$25,000
Dates: 1/1/05 – 12/31/06
Funding agency: Gulf Coast Consortium for Computational and Structural Biology
Stipend recipient: Jorge R. Herskovic, MD

6. Medical letter content for decision support at the point of care.
 PI: Elmer V. Bernstam
 Amount: \$67,700
 Dates: 6/1/04 – 5/31/06
 Funding agency: The Medical Letter

7. Validation of quality criteria for health information on the World Wide Web
 PI: Elmer V. Bernstam
 Amount: \$98,637
 Dates: 9/1/03 – 8/30/04
 Funding agency: Robert Wood Johnson Foundation, Health-e-Technologies Initiative

8. Disaster Relief and Emergency Medical Services (DREAMS™)
 PI: James H. Duke
 Amount: 20% effort
 Dates: 12/1/01 – 12/31/03
 Funding agency: US Congress direct appropriation

9. NASA Johnson Space Center/Wyle Life Sciences
 PI: Elmer V. Bernstam
 Amount: 40% effort
 Dates: 6/1/03 – 9/30/03
 Funding agency: NASA

10. NASA Johnson Space Center Summer Faculty Fellowship Program
 PI: Elmer V. Bernstam
 Amount: \$12,000
 Dates: 4/1/02 – 9/30/02
 Funding agency: NASA

**STUDENTS
(CURRENT)**

PhD:

1. Diego Veiga (GSBS) – Biomedical ontologies for data interoperability.

MS (Research):

1. Jeff Claasen – Identifying vital sign errors in a large clinical data warehouse.
2. Marla Hawkins – TBD
3. Oscar Pinzon -- TBD

**STUDENTS
(GRADUATED)**

PhD:

1. Jorge R. Herskovic, MD – Evaluation of link analysis algorithms in biomedical information retrieval (committee chair).
Position after graduation: Assistant Professor of Health Information Sciences, UT-Houston

2. Rohan Bhavane – Pulmonary drug delivery using novel liposomal delivery systems.
Position after graduation: Post-doc, UT-Houston

3. Muhammad Walji – Persuasive messaging.
Position after graduation: Assistant Professor, UT-Houston Dental School.

MS (Research):

1. Smitha Sagaram, MBBS, MS – Usability of quality measures for online health information: can commonly used technical quality criteria be reliably assessed?
Position after graduation: MPH program, School of Public Health, Harvard University.
2. Muhammad Walji, MS – Searching for cancer-related information online: unintended retrieval of complementary and alternative medicine information.
Position after graduation: UT-SHIS PhD program.
3. Jorge R. Herskovic, MD, MS – Using incomplete data for MEDLINE results ranking,
Position after graduation: UT-SHIS PhD program.
4. Sarah E. Edmonson, MD, MS – Context, Automated Decision Support, and Clinical Practice Guidelines: Does the Literature Apply to the United States Practice Environment?
Position after graduation: UT-SHIS PhD program.
5. Kimberly A. Smith-Aiken, MS – Developing a Veterinary Informatics Research Agenda: The State of the Science.
Position after graduation: UT-SHIS PhD program.
6. Len Tanaka, MD – Overcoming citation lag link for analysis algorithms in biomedical information retrieval.
Position after graduation: Assistant Professor, Pediatric Pulmonary and Critical Care, University of Hawaii (Honolulu).

COURSES TAUGHT

Foundations of Health Informatics I (HI 5310)	2006: Fall 2007: Spring, Summer, Fall 2008: Spring, Summer, Fall 2009: Spring
Introduction to Health Informatics (HI 5300): (designed and taught)	2002: Summer, Fall 2003: Summer, Fall 2004: Fall 2005: Fall
Consumer Informatics (HI 6308): (designed and taught)	2002: Winter 2003: Winter 2005: Winter
Research Seminar (HI 7150):	Continuously since 8/2002 invite and schedule local and visiting speakers.
Directed Studies/Resident rotations:	R. Johnson – Fall 2002 C. Hu, MD – July 2002 (rotation) S. Sagaram – Fall 2002, Winter 2003 M. Walji – Fall 2002, Winter 2003

Health Informatics Short Course Director, MD – Fall 2005
DeSagaram, MD – Fall 2005
Math 2002, September 2002

J. Herskovic,

COMMITTEE SERVICE
Present total active
committees: 14

Chair, Inter-Faculty Council, UT-Houston (2009-2010)
Co-Chair UT-System Health Affairs Sub-Committee of the Faculty Advisory council (2009-2010)

Chair, SHIS Faculty Governance Association (2002-2006; elected to one year terms)

School of Health Information Sciences

1. Curriculum (2002-present)
2. Executive (2002-2006)
3. Co-supervisor of IT Support (2003-2006)
4. Co-supervisor of IT Development (2005-2006)
5. Co-supervisor SHIS IT (2006-present)
6. Scholarship/Teaching Incentive (2006)
7. Faculty Search (Standing) (2003-present)
8. Space (2004-present)
9. Admissions (2005 – present)
10. Applied track planning (2005-2006)
11. Incentive plan review (2002)
12. Strategic planning (2002)

University-Level Committees

1. IT Infrastructure (2003-2006)
2. Awards (2003-2006)
3. Faculty Development Leave (2003-present)
4. Inter-Faculty Council (IFC, 2002-present)
5. IFC Faculty Status, Rights and Responsibilities sub-committee (2004-present, Chair, 2005)
6. Nominating (2002-present)
7. Translational Research Center Planning (2005)
8. President Search Committee (elected from Interfaculty Council 2008)

Medical School

1. Continuing Medical Education (2004-present)
2. Computerized Physician Order Entry (2005-2006)
3. Bioinformatics Faculty Search Committee (2004-2007)
4. Research Conflict of Interest Committee (2006-present)

Texas Medical Center, National, Other Institutions

1. HAM-TMC Library Advisory Committee (2007-present)
2. UTMB (Galveston) Bioinformatics Faculty Search Committee (2007-present)
3. CTSA Biomedical Informatics National Steering Committee (2006-present)
4. CTSA Biomedical Informatics National Operations (Executive) Committee (2007-9)
5. American Medical Informatics Association Meetings Committee (2008)
6. CTSA Biomedical Informatics National Operations Committee (2008)

PEER REVIEWED
PAPERS

1. **Bernstam EV**, Smith JW and Johnson TR. What is biomedical informatics? J Biomed Inf, *in press*.
2. Willcockson IU, Johnson CW, Hersh W and **Bernstam EV**. Predictors of student success in graduate biomedical informatics training: introductory course and program success. JAMIA, *in press*.

3. Nelson S, Hwang KO and **Bernstam EV**. Comparing clinician knowledge and online information regarding Alli (Orlistat). *Int J Med Inf, in press*.
4. **Bernstam EV**, Hersh WR, Sim I, Eichmann D, Silverstein JC, Smith JW and Becich MJ. Unintended consequences of health information technology: a need for biomedical informatics. *J Biomed Inf, in press*.
5. Hwang KO, Hamadah AM, Johnson CW, Thomas EJ, Goodrick GK, **Bernstam EV**. Screening for obstructive sleep apnea on the Internet: randomized trial. *Am J Med, in press*.
6. Tanaka LY, Herskovic JR, MS Iyengar, **Bernstam EV**. Sequential Result Refinement for Searching the Biomedical Literature. *J Biomed Inf, 2009 Aug;42(4):678-84*.
7. **Bernstam EV**, Hersh WR, Johnson SB, Chute CG, Nguyen H, Sim I, Nahm M, Weiner M, Miller P, DiLaura RP, Overcash M, Lehmann HP, Eichmann D, Athey BD, Scheuermann RH, Anderson N, Starren JB, Harris PA, Smith JW, Barbour E, Silverstein JC, Krusch DA, Nagarajan R and Becich MJ. Synergies and Distinctions between Computational Disciplines in Biomedical Research: Perspective from the Clinical and Translational Science Award Programs. *Acad Med, 2009 Jul;84(7):964-70*.
8. Mirhaji P, Zhu M, Vagnoni M, **Bernstam EV**, Zhang J, Smith JW. Ontology driven integration platform for clinical and translational research. *BMC Bioinformatics, 2009 Feb 5;10 Suppl 2:S2*.
9. Hwang KO, Childs JH, Goodrick GK, Aboughali WA, Thomas EJ, Johnson CW, Yu SC, **Bernstam EV**. Explanations for unsuccessful weight loss among bariatric surgery candidates. *Obesity Surgery, in press*.
10. **Bernstam EV**, Walji MF, Sagaram S, Sagaram D, Johnson CW, Meric-Bernstam F. Commonly cited Web site quality criteria are not effective at identifying inaccurate online information about breast cancer. *Cancer, 2008 Mar 15;112(6):1206-13*.
11. Hwang KO, Farheen K, Johnson CW, Thomas EJ, Barnes AS, **Bernstam EV**. Quality of weight loss advice on Internet forums. *Am J Med, 2007, 120:7, 604-9*.
12. Meric-Bernstam F, Walji M, Sagaram S, Sagaram D, **Bernstam EV**. Breast cancer information currency. *Medinfo 2007, pp. 973-6*.
13. Herskovic JR, Tanaka LY, Hersh WR, **Bernstam EV**. A day in the life of PubMed: analysis of a typical day's query log. *J Am Med Inf Ass, 2007 Mar-Apr;14(2), pp. 212-20*.
14. **Bernstam EV**, Pancheri KK, Johnson CM, Johnson TR, Thomas EJ, Turley JP. Reasons for after-hours calls by hospital floor nurses to on-call physicians. *Joint Commission Journal on Quality and Patient Safety, 2007 Jun;33(6), pp. 342-9*.
15. Smith-Aiken KA, Bearden CF, Pittenger ST, **Bernstam EV**. Toward a veterinary informatics research agenda: an analysis of the PubMed-indexed literature. *Int J Med Inf, 2007 Apr;76(4), pp. 306-12*.
16. Edmonson SR, Smith-Aiken KA, **Bernstam EV**. Context, Automated Decision Support, and Clinical Practice Guidelines: Does the Literature Apply to the United States Practice Environment? *Int J Med Inf, Jan 2007, 76:1, pp. 34-41*.
17. Esquivel AE, Meric-Bernstam F, **Bernstam EV**. Accuracy and self correction of information received from an internet breast cancer list: content analysis. *BMJ 2006; 332, pp. 939-42*.

18. Herskovic JR, Iyengar S, **Bernstam EV**. Using hit curves to compare search algorithm performance. *J Biomed Inf*, 2007 Apr;40(2), pp. 93-9.
19. **Bernstam EV**, Herskovic JR, Aphinyanaphongs Y, Aliferis CF, Sriram MG, Hersh WR. Using citation data to improve retrieval from MEDLINE. *J Am Med Inf Ass*, 2006 Jan-Feb; 13(1): 96-105.
20. Herskovic JR, **Bernstam EV**. Using incomplete citation data for MEDLINE results ranking. *Proceedings of the AMIA Fall Symposium 2005*, pp. 316-20.
21. **Bernstam EV**, Sagaram S, Walji M, Johnson CW, Meric-Bernstam F. Usability of quality measures for online health information: can commonly used technical quality criteria be reliably assessed? *Int J Med Inf* 2005, 74:7-8; pp. 675-83.
22. Walji M, Sagaram S, Meric-Bernstam, F, Johnson CW, **Bernstam EV**. Searching for cancer-related information online: unintended retrieval of complementary and alternative medicine information. *Int J Med Inf* 2005, 74:1; pp. 685-93.
23. **Bernstam EV**, Shelton DM, Walji M, Meric-Bernstam F. Instruments to assess the quality of health information on the World Wide Web: what can our patients actually use? *Int J Med Inf* 2005 Jan; 74:1, pp. 13-9.
24. Walji M, Sagaram S, Sagaram D, Meric-Bernstam F, Johnson C, Mirza NQ, **Bernstam EV**. Efficacy of quality criteria to identify potentially harmful information: a cross-sectional survey of complementary and alternative medicine websites. *J Med Internet Res* 2004, June, 29; 6(2): e21.
25. Sagaram S, Walji M, Meric-Bernstam F, Johnson C, **Bernstam EV**. Inter-observer agreement for quality measures applied to online health information. *MedInfo* 2004, pp. 1308-12.
26. Tang Z, Zhang J, Johnson TR, **Bernstam EV**, Tindall D. Integrating task analysis in software usability evaluation: A case study. *Proceedings of the Human Factors and Ergonomics Society 48th Annual Meeting 2004*, pp. 1741-5.
27. Walji M, Sagaram S, Meric-Bernstam F, Johnson C, **Bernstam EV**. Cancer-related complementary and alternative medicine online: factors affecting information retrieval. *MedInfo* 2004, pp. 1318-22. [Won bronze medal]
28. Sagaram S, Walji M, **Bernstam EV**. Evaluating the prevalence, content and readability of complementary and alternative medicine (CAM) web pages on the Internet. *Proceedings of the AMIA Fall Symposium 2002*, pp. 672-6.
29. Michea Y, Pancheri K, Gong Y, **Bernstam EV**. Availability of online communication technology on diabetes web sites: comparing Chinese, English and Spanish web sites. *Proceedings of the AMIA Fall Symposium 2002*, pp. 523-7.
30. Meric F, **Bernstam EV**, Mirza NQ, Hunt KK, Ames FC, Ross MI, Kuerer HM, Pollock RE, Musen MA, Singletary SE. Breast Cancer on the World Wide Web: A Cross-sectional survey of Information Quality and Web Site Popularity. *BMJ*, 324:577-581, 2002.
31. Peleg M, Boxwala AA, **Bernstam EV**, Tu SW, Greenes RA, Shortliffe EH. Sharable Representation of Clinical Guidelines in GLIF: Relationship to the Arden Syntax. *Journal of Biomedical Informatics*, 34:3, 170-181, 2001.
32. **Bernstam EV**. Medline Query-by-Example (QBE) *Proceedings of the AMIA Fall Symposium* pp. 47-52, 2001.

33. **Bernstam EV**, Ash N, Peleg M, Tu S, Boxwala AA, Mork P Shortliffe EH, Greenes RA. Guideline classification to assist modeling, authoring, implementation and retrieval. Proceedings of the AMIA Fall Symposium pp. 66-70, 2000.
34. **Bernstam EV**, Strasberg HR, Rubin DL. Cost-Benefit Analysis of Computer-based Patient Records with Regard to their Use in Colon-Cancer Screening. Asia Pacific Medical Informatics Conference. September 28-9, 2000. Hong Kong, China.
35. Peleg, M, Boxwala AA, Ogunyemi O, Zeng Q, Tu SW, Lacson R, **Bernstam E**, Ash N, Mork P, Ohno-Machado L, Shortliffe EH, Greenes RA. GLIF3: The evolution of a guideline representation. Proceedings of the AMIA Fall Symposium pp. 645-9, 2000.
36. Deininger RA, **Bernstam EV**. (1993) J Am Water Works Assn, 85: 35.
37. Deininger RA, Clark RM, Hess AF and **Bernstam EV** (1992) J Am Water Works Assn, 84: 48-52.

**PEER REVIEWED
POSTERS AND
ABSTRACTS**

1. Hwang KO, Reeder P, **Bernstam EV**. Use of beta-blockers in hypertensive overweight and obese patients without compelling indications. Presented at the 30th Annual Meeting of the Society for Medical Decision Making (October 18-22, 2008), Philadelphia, PA.
2. Hwang KO, Ruderman AJ, Ottenbacher AJ, Lucke JF, Graham AL, Thomas EJ, **Bernstam EV**. Comparison of paper and online versions of the Weight Management Support Inventory. Poster presented at: Society of Behavioral Medicine; March 26-9, 2008; San Diego, CA.
3. Okamura S, **Bernstam EV**. An instrument for consumers to discriminate inaccurate information on the Internet. Poster presented at: Medinfo 2007, August 20-2, 2007; Brisbane, Australia.
4. Hwang KO, Farheen K, Johnson CW, Thomas EJ, Barnes AS, **Bernstam EV**. Quality of weight loss advice on Internet forums. Poster presented at: Society of General Internal Medicine; April 25, 2007; Toronto, Ontario.
5. Meric-Bernstam F, Walji M, Sagaram D, Sagaram S, Johnson CW, **Bernstam EV**. Conventional cautions regarding online information: do they predict accuracy of breast cancer websites? Proceedings of the American Society of Clinical Oncology 42nd Annual Meeting, (abstract 6086), 2006.
6. Walji M, Johnson-Throop K, Johnson T, **Bernstam E**, Zhang J. Persuasive Email Reminders to Enhance Appointment Adherence for Diabetics. AMIA Spring Congress. 2006.
7. Walji M, Johnson-Throop K, Johnson T, **Bernstam EV**, Zhang J. Persuasive Email Messages for Patient Communication. Proceedings of the AMIA Fall Symposium 2005, p. 1148.
8. **Bernstam EV**, Herskovic JR, Meric-Bernstam F. Using citation analysis to ease information overload in oncology. Proceedings of the American Society of Clinical Oncology 41st Annual Meeting, (abstract 6036), 2005.
9. Lund GC, Stones J, **Bernstam EV**. Readability of electronic responses of clinicians to consumer's perinatal health care questions. Proceedings of the American Academy of Pediatrics Annual Conference, 2004.
10. Sagaram S, Walji M, Meric F, **Bernstam EV**. Cancer-related complementary and alternative medicine (CAM) on the web. Proceedings of the American Society of Clinical Oncology 39th Annual Meeting, 20:553 (abstract 2226), 2003.

11. Tindall RD, Casscells SW, Sailors RM, **Bernstam EV**, Galloway CS, Duke JH. Saving lives in real-time: a pre-hospital telementoring case. Proceedings of the AMIA Fall Symposium p. 1179, 2002.
12. **Bernstam EV**, Kamvar SD, Meric F, Dugan JM, Chang JT, Chizek SC, Stave C, Troyanskaya OG and Fagan LM. Oncology Patient Interface to MEDLINE. Proceedings of the American Society of Clinical Oncology 37th Annual Meeting 20:244a (abstract 974), 2001.
13. Meric F, **Bernstam EV**, Mirza NQ, Hunt KK, Ames FC, Ross MI, Kuerer HM, Pollock RE, Musen MA and Singletary SE. Breast Cancer on the World Wide Web: Determinants of Web Site Popularity. Proceedings of the American Society of Clinical Oncology 37th Annual Meeting 20:39b (abstract 1904), 2001.
14. **Bernstam EV**, Ash N, Peleg M, Tu S, Shortliffe EH, Greenes RA. Preliminary evaluation of a guideline classification system. Proceedings of the AMIA Fall Symposium pp. 863, 2001.
15. Phillips RC, **Bernstam EV**, Mork P, Lober WB, Karras BT. Modification of GEM to incorporate changes in a classification scheme. Proceedings of the AMIA Fall Symposium pp. 994, 2001.
16. Meric F, **Bernstam EV**, Mirza NQ, Musen MA. Quality and accuracy of breast cancer information on the World Wide Web. 24th Annual San Antonio Breast Cancer Symposium December 10-13, 2001.
17. **Bernstam E**, Troyanskaya O, Chang J. Medline Query-by-Example. (2000) Biomedical Computation at Stanford Conference. October 28, 2000. Stanford, California. [Won best poster in category prize]

BOOK CHAPTERS

1. **Bernstam EV**, Meric-Bernstam F. Quality and accuracy of online health information. Chapter in: Whitten, P., Kreps, G., & Eastin, M. (Eds.) (In-progress). Advances in Cancer Online Information Services. Cresskill, NJ: Hampton Press.
2. **Bernstam EV**, Meric-Bernstam F. Reliability and evaluation of online health information. Chapter in: Hakim, L. (Ed.) (2007). Web Mobile-Based Applications for Healthcare Management. Idea Group press. Pp. 181-96.

This chapter was reprinted as: Bernstam, V.G., & Meric-Bernstam, F. (2008). Reliability and evaluation of health information online. In J. Tan (Ed.), Medical informatics: Concepts, methodologies, tools and applications (pp. 2029-2041). Hershey, PA: Medical Information Science Reference.

3. **Bernstam EV**, Herskovic JR, & Hersh WR. (2008). Query log analysis in biomedicine. In B. J. Jansen, A. Spink & I. Taksa (Eds.), *Handbook of Research on Web Log Analysis* (p. 359-377). Hershey, PA: IGI.

INVITED PUBLICATIONS AND PRESENTATIONS

1. Payne PRO, Murphy S, Embi PJ, Weiner MG, **Bernstam EV**. Advancing Integration Between the Biomedical Informatics and Clinical and Translational Science Communities. Panel to be presented at the AMIA Fall Symposium 2009, November 14-8, 2009, San Francisco, CA.
2. **Bernstam EV**. Why Health IT doesn't work. Invited paper and presentation. National Academy of Engineering, Frontiers of Engineering Conference. September 10-12, 2009. Irvine, CA.

3. **Bernstam EV.** Challenges in Integrating Clinical and Biological Data
AMIA Translational Biomedical Informatics Summit 2009, March 15-7, 2009, San Francisco, CA.
4. **Bernstam EV.** Finding cancer information online, what can we tell our patients?
Cancer2008 (Colombian National Cancer Meeting) October 31 – November 2, 2008, Cali, Colombia.
5. **Bernstam EV.** Informatics within CTSA programs. July 11, 2008, The University of Texas Health Science Center at San Antonio, San Antonio, TX.
6. **Bernstam EV.** Information challenges to personalized medicine. Pathways to Personalized Medicine: Rate-limiting Factors in Delivering the Promise. June 14, 2008, Houston, TX.
7. **Bernstam EV.** Electronic medical records in clinical research. North American Spine Society 22nd Annual Meeting Pre-meeting course: Conducting Clinical Research in Spine: Information for Study Coordinators. October 23, 2007, Austin, TX.
8. **Bernstam EV,** Meric-Bernstam F, Johnson-Throop K, Turley JP, Smith JW.
Panel: Translational Research Informatics. Medinfo 2007, August 20-4, 2007, Brisbane, Australia.
9. **Bernstam EV.** Biomedical informatics at the Center for Clinical and Translational Sciences. Duke Clinical Research Institute (DCRI), June 20, 2007, Durham, NC.
10. **Bernstam EV,** Smith JW. Translational biomedical informatics at the University of Texas Health Science Center at Houston and M.D. Anderson Cancer Center. HSEMB 2007, 24th Annual Meeting 8-9 February 2007. Houston, TX.
11. **Bernstam EV.** Consumer health information on the Internet: whose problem is it?
W. M. Keck Center Symposium. January 13, 2006. Houston, TX.
12. **Bernstam EV.** Show me the money! Identifying potential funding sources.
Robert Wood Johnson Foundation, Health-e-Technologies Initiative Grantee meeting. December 6-8, 2005. Atlanta, GA.
13. **Bernstam EV,** Strasberg HR, McKibbin KA and Aphinyanaphongs Y. Clinical knowledge: moving beyond relevance to importance. Panel presented at the AMIA Fall Symposium 2005, October 25, 2005, Washington, DC.
14. **Bernstam EV.** Using citation data to improve retrieval from Medline. Invited podium presentation, UT-HSC at Houston Research Day. November 19, 2004. Houston, TX. [One of 10 podium presentations selected from UT-HSC faculty]
15. **Bernstam EV.** Validation of Quality Criteria for Health Information on the World Wide Web. Robert Wood Johnson Foundation, Health-e-Technologies Initiative Grantee meeting. October 5-8, 2004. Boston, MA.
16. **Bernstam EV.** Consumer informatics research at the Texas Medical Center. IMIA Consumer Informatics Working Group invited presentation. September 8, 2004. San Francisco, CA.

17. **Bernstam EV**, Meric-Bernstam F. Evaluating the quality of health information on the Web. Robert Wood Johnson Foundation, Health-E-Technologies Initiative. Health-e-Bytes, Spring 2004 edition. Available at: http://www.hetinitiative.org/sub-resources/health_e-bytes/20040503-health_e-bytes.html
18. **Bernstam EV**. Medline QBE (Query-by-Example) Invited Research Seminar. Department of Biomedical Informatics, Vanderbilt University. April 28, 2004. Nashville, TN.
19. **Bernstam EV**. Consumer Informatics. Invited presentation. Cardeo Conference. February 13, 2004. Houston, TX.
20. **Bernstam EV**. Validation of Quality Criteria for Health Information on the World Wide Web. Robert Wood Johnson Foundation, Health-e-Technologies Initiative Grantee meeting. September 30 – October 2, 2003. San Francisco, CA.
21. **Bernstam EV**. Biomedical Informatics. May 14, 2003. SAP Labs North America, Palo Alto, CA.
22. Meric F, **Bernstam EV**. Breast cancer on the World Wide Web. *Breast Diseases, A Yearbook Quarterly* (2003), 14:1, pp. 20-3.
23. **Bernstam EV**. Chronic Cough in Immunocompetent Adults. *MD Vista Journal of Medicine*. <http://www.mdvista.com>, 2001.
24. Elkin P, Peleg M, Lacson R, **Bernstam E**, Tu S, Boxwala A, Greenes R, Shortliffe EH. Toward the Standardization of Electronic Guidelines. (2000) *MD Computing*, 17:6, pp. 39-44.

OTHER PUBLICATIONS AND PRESENTATIONS

1. Herskovic JR, **Bernstam EV**. Simplifying a tough job: indexing the biomedical literature automatically. UTH 13th Annual Research Day 2007, Houston, TX.
2. Willcockson IU, Bozzo P, Herskovic JR, **Bernstam EV**. Improving chat in an online graduate class. Presented at the Advances in Learning and Teaching Day 2007. Houston, TX. May 17, 2007.
3. Herskovic JR, **Bernstam EV**. Applying Citation Analysis to PubMed for Improved Information Retrieval. UTH 11th Annual Research Day 2005, Houston, TX.
4. Walji M, Johnson-Throop K, Johnson T, **Bernstam E**, Zhang J. Persuasive Email Messages for Patient Communication. Keck Center 15th Annual Research Conference. 2005 Oct 6-7. Houston, TX.
5. Herskovic JR, **Bernstam EV**. Applying Citation Analysis to PubMed for Improved Information Retrieval. Keck Center 15th Annual Research Conference. 2005 Oct 6-7. Houston, TX.
6. Walji M, **Bernstam EV**. Learning the hard way: barriers to consumer health education on the internet. Presented at the Advances in Learning and Teaching Day 2005. Houston, TX. May 10, 2005.
7. Walji M, Johnson-Throop K, Johnson T, **Bernstam E**, Zhang J. Enhancing Adherence in Healthcare through Persuasive Messages. Human Factors and Ergonomics Society Houston Chapter Annual Conference, May 6, 2005.

8. Walji M, Sagaram S, Meric-Bernstam F, Johnson C, **Bernstam E**. Cancer-related Complementary and Alternative Medicine Online: Factors Affecting Information Retrieval. UTH 10th Annual Research Day November 2004, Houston, TX.
9. Herskovic JR, **Bernstam EV**. Automated literature compilations via citation analysis. UTH 10th Annual Research Day November 2004, Houston, TX.
10. Tang Z, Zhang J, Johnson TR, **Bernstam E**, & Tindall D. (2004). The Use of Usability Heuristics in the Evaluation of a Digital EMS System. 2004 Human Factors & Ergonomics Society Houston Chapter Conference, Houston, April 23, 2004.
11. Sagaram S, Walji M, Meric Bernstam F, Johnson C, **Bernstam E**. Quality measures of online health information: Inter-observer agreement. UTH Research Day November 2003, Houston, TX.
12. Walji M, Sagaram S, Sagaram D, Meric Bernstam F, Johnson C, Mirza N, **Bernstam E**. Efficacy of quality criteria to screen out potentially harmful information: A Cross-sectional Survey of Complementary and Alternative Medicine Websites. UTH Research Day November 2003, Houston, TX.
13. Zhang J, Johnson TR, Tang Z, **Bernstam E**, Sailors M, & Tindall D. (2002). Usability evaluation of a digital medical information system. UTH Research Day, November 1, 2002.
14. **Bernstam EV**, Smith JW. Clinical practice guidelines as educational tools: Knowledge dissemination in clinical medicine. Presented at the Advances in Learning and Teaching Day 2002. Houston, TX. February 14, 2002.
15. **Bernstam EV**, Craig CP, Rader K, Mazzeo R. Liver abscess with foreign body as a cause of fever of unknown origin, case report and literature review. American College of Physicians, Michigan Chapter, Abstract. Traverse City, MI. September 1997.
16. Deininger RA, Lai KL, **Bernstam EV**, Mieske H, Sanford L, Skadsen J, Clark R, Rossman L. (1993) Am. Water Works Assn Proceedings of Annual Conference. June 6 - 10, 1993. San Antonio, TX. p. 75 – 82.
17. Deininger RA, Lee BH, **Bernstam EV**, Slawewski T. (1990) NATO advanced Research Workshop on Computer-Aided Support Systems for Water Resources Research and Management. September 23-28, 1990. Lisbon, Portugal.