

ELMER VICTOR BERNSTAM, MD, MSE, MS, FACP, FACMI

(Updated January 21, 2021)

CONTACT INFORMATION

School of Biomedical Informatics
University of Texas Health Sciences Center at Houston
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LICENSES

Licensed to practice medicine in the state of **Texas**

BOARD STATUS

Board Certified, American Board of Internal Medicine 1998, 2009, 2019
Board Certified, Clinical Informatics (Am Board Prev Med) 2015

EDUCATION

National Library of Medicine Fellow Sep 1999-Oct 2001
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
Master of Science in Engineering (M.S.E.) Aug 1999
Computer Science and Engineering,
University of Michigan College of Engineering
Medical Doctorate (M.D.) Jun 1995
Integrated Medical-Premedical (**INTEFLEX**) program
University of Michigan Medical School
Dual Degree Program (B.S.E. and B.S.) Jun 1992
Bachelor of Science in Engineering (**B.S.E. Magna Cum Laude**)
Computer Engineering
University of Michigan College of Engineering
and
Bachelor of Science (**B.S. with Distinction**) Jun 1992
Dual majors in Biomedical Sciences and Psychology
University of Michigan College of Literature, Science and the Arts

LANGUAGES

Fluent in spoken and written Russian

PROFESSIONAL AFFILIATIONS

American College of Physicians (ACP)
American Medical Informatics Association (AMIA)
Association for Computing Machinery (ACM)
American College of Medical Informatics (ACMI)

ELMER VICTOR BERNSTAM, M.D., M.S.E., M.S.

HONORS AND AWARDS	John P. McGovern Teaching Award	May 2005
	Fellow American College of Physicians (ACP)	Oct 2004
	NASA Summer Faculty Fellow	Apr 2002
	Eta Kappa Nu (Electrical and Computer Engineering Honor Society)	1988
	Elected Chair of the SHIS Faculty Governance Organization	2002-2005
	Elected Chair of the Inter-Faculty Council at UT-Houston	2009-2010
	Elected Fellow, American College of Medical Informatics (ACMI)	2010
	Reynolds and Reynolds Professorship in Clinical Informatics	Sep 2015
	Alpha Omega Alpha	2019

HONORS AND AWARDS TO STUDENTS	1. Herskovic Jorge R. – Keck fellowship 2005, 2006, SHIS Competitive Academic Scholarship 2003, Google summer fellowship 2006	
(Total = 20 honors/awards)	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 2007	
	8. Goodwin, J. Caleb – NLM pre-doctoral fellowship 2011, 2012	
	9. Joffe, Erel – CPRIT Computational Cancer Biology Competitive Fellowship 2012, 2013	
	10. Jose “Franck” Diaz Vasquez – Innovation in Cancer Prevention Research Program 2014, 2015	
	11. Zhiguo “Stanley” Yu – Innovation in Cancer Prevention Research Program 2014, 2015	
	12. Victor S. Prieto, Jr – CPRIT Summer Innovation in Cancer Prevention Research Program 2015	
	13. Adetomiwa (Tom) Oguntuga – Paul C. Boyle Research Award	2016

EMPLOYMENT	Associate Dean for Research	Mar 2013 – present
	School of Biomedical Informatics University of Texas Health Science Center at Houston, TX	
	Professor (with tenure)	Sep 2010 - present
	School of Biomedical Informatics Department of Internal Medicine Graduate School of Biomedical Sciences University of Texas Health Science Center at Houston, TX	
	Director, Biomedical Informatics Component	Sep 2008 - present
	Center for Clinical and Translational Science (CCTS) University of Texas Health Science Center at Houston, TX	
	Adjunct Professor	Oct 2019 – present
	Division of Epidemiology & Population Sciences Department of Internal Medicine Baylor College of Medicine, Houston, TX	

<p>Adjunct Professor Division of Biomedical Informatics Department of Clinical Sciences UT Southwestern Medical Center, Dallas, TX</p>	<p>Feb 2013 – May 2014</p>
<p>Associate Professor (with tenure) School of Health Information Sciences Department of Internal Medicine University of Texas Health Science Center at Houston, TX</p>	<p>Sep 2006 - Aug 2010</p>
<p>Co-Director, Biomedical Informatics Component Center for Clinical and Translational Research (CCTS) University of Texas Health Science Center at Houston, TX</p>	<p>Sep 2006 – Sep 2008</p>
<p>Head of Clinical Informatics Focus School of Health Information Sciences University of Texas Health Science Center at Houston, TX</p>	<p>Jan 2002 - present</p>
<p>Faculty W. M. Keck Center for Computational Biology Quantitative & Computational Biosciences Graduate Program (Formerly Graduate Program in Structural & Computational Biology & Molecular Biophysics) (Baylor College of Medicine) Houston, TX</p>	<p>Jan 2002 - present Aug 2009 – present</p>
<p>Attending Physician Harris Health (Lyndon B. Johnson Hospital) Memorial Hermann Health System</p>	<p>Jan 2002 - present</p>
<p>Assistant Professor School of Health Information Sciences Department of Internal Medicine University of Texas Health Science Center at Houston, TX</p>	<p>Oct 2001 - Sep 2006</p>
<p>Clinical Instructor Department of Internal Medicine Stanford University Medical Center Stanford, California</p>	<p>Nov 1999 - Oct 2001</p>
<p>Attending Physician Packard Community Clinic Ann Arbor, Michigan</p>	<p>Dec 1998 - Sep 1999</p>
<p>House Officer Department of Internal Medicine St. Joseph Mercy Hospital Ann Arbor, Michigan</p>	<p>Jun 1995 - Jun 1998</p>
<p>Clinic President, Academic Internal Medicine Clinic</p>	<p>Jun 1997 - Jun 1998</p>
<p>Programmer/Research Assistant Responsibilities: Wrote and maintained original GUIs for research projects University of Michigan School of Public Health Ann Arbor, Michigan</p>	<p>Jul 1989 - Sep 1995</p>

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

Summer 1988

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

Summer 1987

SCIENTIFIC SERVICE

External Advisory Boards

1. University of Kentucky (CTSA), Kentucky Center for Clinical and Translational Science Biomedical Informatics Component (2010-2014)
2. University of New Mexico Clinical and Translational Science Center (CTSA planning grant, 2007)
3. Informatics for Integrating Biology and the Bedside (i2b2, 2010-2014)
4. NASA Information Systems Architecture Branch (SF5), Human Health and Performance Directorate, NASA Johnson Space Center (September 17, 2014)
5. Puerto Rico Clinical and Translational Research Consortium (2014-present)
6. PIC-SURE BD2K Center at Harvard Medical School (2015-2017)

Journal Editorial Boards

Journal of Biomedical Informatics (2012-2016)
Co-editor JAMIA Special Issues on Precision Medicine Informatics (2015)

Scientific Program Committees

American Medical Informatics Association Annual Policy Invitational Meeting (2017)
American Medical Informatics Association Annual Policy Invitational Meeting (2016)
American Medical Informatics Association Annual Policy Invitational Meeting (2013)

American Medical Informatics Association Fall Symposium 2002, 2009, 2010, 2018, 2019 (Chair)
AMIA Fall Symposium Student Paper Competition Reviewer 2009-14

American Medical Informatics Association Clinical Research Informatics Summit 2010, 2011
Clinical Research Informatics Summit Awards Committee (2010)
Chair, Scientific Program Committee (2013)

National Health Information Technology Summit – a Washington-Texas Dialogue, Houston, TX April 15-6, 2008 (Co-Chair, Scientific Program Committee)

The 8th Annual Biotechnology and Bioinformatics Symposium (BIOT 2011)
Data Integration in the Life Sciences (DILS 2012)
IEEE International Conference on Healthcare Informatics, Imaging and Systems Biology, Healthcare Informatics Track (IEEE HISB 2012)

Medinfo 2013 Awards Committee
Medinfo 2019 Scientific Program Committee

Ad hoc reviewer:

ACM Transactions on Computer Human Interaction (TOCHI)
ACM Transactions on Information Systems (TOIS)
American Journal of Managed Care
American Journal of Medicine
American Medical Informatics Association Fall Symposium (1996-present)
American Medical Informatics Association Clinical Research informatics Summit (2009-present)
Annals of Internal Medicine
Applied Clinical Informatics
Artificial Intelligence in Medicine
BMC Informatics
British Medical Journal
Cancer
Cancer Control
Clinical and Translational Medicine
Clinical and Translational Science
Communications of the ACM (CACM)

Computer Methods and Programs in Biomedicine
Gastroenterology
Information Retrieval
International Journal of Medical Informatics
International Journal of Radiation Oncology, Biology, Physics
IMIA Yearbook of Medical Informatics 2016
Journal of Biomedical Informatics
JCO Clinical Cancer Informatics
Journal of Health Psychology
Journal of Investigative Medicine
Journal of Medical Internet Research
Journal of the American Medical Informatics Association (JAMIA)
Journal of Biomedical Discovery and Collaboration
Journal of Health Psychology
Medical Decision Making
Medical Principles and Practice
Medical Informatics Europe (2002)
MedInfo (2001, 2004, 2007)
PLOS One

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)
ZRG1 BST-N (02) M Bio-data management and analysis panel (2/2010)
ZRG1 HDM-D (58) R ARRA RC4 Sustainable Community-linked
Infrastructure Panel 1 (3/2010)
ZRG1 HDM-D (58) R ARRA RC4 NIH Director's Opportunity for Research
in Five Thematic Areas Panel 1 (4/2010)
ZEB1 OSR-B (O1) P P01 review panel (6/2011)
ZRG1 BST-H (40) P P41 review panel (11/2011)
BDMA Bio-data management and analysis panel (2/2012)
ZRG1 BST-H (40) P P41 review panel (7/2012)
ZCA1 SRLB-V (J1) B R01/U01/U24 review panel (10/2013)
BDMA Bio-data management and analysis panel (2/2014)
2015/01 ZRG1 BST-H (40) P P41 review panel (11/2014)
NLM Biomedical Library and Informatics Review Committee (BLIRC),
Biomedical Informatics, Library and Data Science Review Committee
(BILDS)
Regular panel member (7/1/2015-6/30/2019); Chair 2018-2019
NCATS ZTR1 CI-9 (01) CTSA Innovation X02 Pre-Application Special
Emphasis Panel (SEP) (9/2015)
NCI ZCA1 TCRB-D (C1) SBIR Contract Review (2/19-2/20/2020); Co-Chair

NCATS 2017/05 ZTR1 CI-8 (01) 1 CTSA
NCI 2018/03 TEP-2 ZCA1 TCRB-D (C1) Committee

National Science Foundation (NSF) Panels
III-Medium-Information Retrieval panel (2/2008)

Florida Centers of Excellence Program (2008)

Department of Defense

2015 Defense Medical Research and Development Program (JPC-1)

2016 Defense Medical Research and Development Program
(Health Informatics/Information Technology)

2020 Peer Reviewed Alzheimer's Research Program (PRARP)

Session Chair

1. American Medical Informatics Association Fall Symposium 2002 (San Antonio, TX)
2. Medinfo 2007 (Brisbane, Australia)
3. Panel moderator, Translational Bioinformatics, HealthGrid2008 (Chicago, IL)
4. American Medical Informatics Association Fall Symposium 2008 (Washington, DC)
5. American Medical Informatics Association Spring Congress 2009 (Orlando, FL)
6. American Medical Informatics Association Fall Symposium 2009 (San Francisco, CA)
7. American Medical Informatics Association Clinical Research Informatics Summit 2010, 2011 (San Francisco, CA)
8. Data Integration in the Life Sciences 2012 (Baltimore, MD)
9. American Medical Informatics Association Fall Symposium 2012 (Chicago, IL)
10. AMIA Clinical Research Informatics Summit 2013 (San Francisco, CA)
11. AMIA Clinical Research Informatics Summit 2014 (San Francisco, CA)
12. American Medical Informatics Association Fall Symposium 2018 (San Francisco, CA)
13. Medinfo 2019 (Lyon, France)

**CURRENT RESEARCH
FUNDING**

1. Center for Clinical and Translational Sciences (CCTS)
PI: David D. McPherson (Bernstam: Director Informatics)
Amount: \$37.3M (Biomedical Informatics \$2M Direct Costs)
Dates: 7/1/19 – 6/30/24 (20% effort)
Funding agency: NIH/NCATS (1 U54 TR002804)

2. Development of a Model to Predict Preventable Inpatient Readmissions
PI: Elmer V. Bernstam, Trudy Krause, Kevin Hwang
Amount: \$1M
Dates: 6/1/19-5/31/22 (10% Effort)
Funding Agency: Cullen Trust for Health Care

3. NLP for Medication Adherence: Complex Semantics and Negation
PI: Kirk Roberts (Bernstam, Co-I)
Amount: \$237,488
Dates: 3/1/2019-3/31/2023 (5% effort)
Funding Agency: PCORI (ME-2018C1-10963)

4. UT-Homeless Outpatient Mental Health Expansion Services
PI: Jane Hamilton (Bernstam, Co-I)
Amount: \$500,000
Dates: 9/30/2018-3/31/2023 (5% effort)
Funding Agency: SAMHSA (H79SM080721)

5. Harnessing the power of CTSA-CDRN data networks: using social determinants of health, frailty and functional status to identify at-risk patients and improve risk adjustment
PI: Paula K. Shireman (UTHSC-San Antonio; Lillian Kao, UTHSCH-H PI; Bernstam, Co-I)
Amount: \$702,080
Dates: 9/1/18-8/31/2022 (10% Effort)
Funding Agency: National Center for Advancing Translational Science (NCATS) (via subcontract from the University of Texas Health Science Center at San Antonio, 1 U01 TR002393)

6. Data Science and Informatics Core for Cancer Research
PI: Wenjin Zheng (Bernstam, Co-I)
Amount: \$6M
Dates: 9/1/17-8/31/22 (10% Effort)
Funding Agency: Cancer Prevention Research Institute of Texas (CPRIT) (RP170668)

7. Survey of Veterinary Electronic Medical Records
PI: Elmer V. Bernstam / Kimberly Smith
Amount: \$2,300
Dates: (0% effort)
Funding agency: Texas Veterinary Medical Foundation

COMPLETED CLINICAL TRIALS and STUDIES

1. Randomized, double-blind, Evaluation in secondary Stroke Prevention comparing the Efficacy and safety of the oral Thrombin inhibitor dabigatran etexilate (110 mg or 150 mg, oral b.i.d) versus acetylsalicylic acid (100 mg oral q.d.) in patients with Embolic Stroke of Undetermined Source (RESPECT ESUS)
PI: Elmer V. Bernstam (site PI)
Dates: 12/14/15 – 12/13/20
Funding agency: Boehringer-Ingelheim

2. RE-COVERY DVT/PE: Global Study on Treatment Secondary Prevention of Acute Venous Thromboembolism
PI: Elmer V. Bernstam (site PI)
Dates: 12/14/15 – 12/13/20
Funding agency: Boehringer-Ingelheim (Parexel)

**COMPLETED
RESEARCH FUNDING**

1. Rapid Response Data for Discoveries: COVID-19 Clinical data Collection to Promote Better Outcomes
PI: Lucila Ohno-Machado (Bernstam, Co-I)
Dates: 05/01/2020 – 10/31/2020
Funding Agency: Gordon and Betty Moore Foundation (9639)
2. Precision Oncology Decision Support Core
PI: Funda Meric-Bernstam (UT MDACC);
Bernstam, UTH subcontract PI
Amount: \$6M (UTH subcontract: \$410,334)
Dates: 6/1/15-5/31/20 (10% effort)
Funding agency: Cancer Prevention Research Institute of Texas (CPRIT) (RP150535)
3. Chronic Disease Registry
PI: Kevin Hwang (Bernstam, Co-I)
Amount: \$1M
Dates: 11/01/13-8/31/19 (5% effort)
Funding agency: UTH/DSRIP
3. Scalable Collaborative Infrastructure for a Learning Healthcare System Phase II
PI: Ken Mandl (Harvard); Bernstam, UTH subcontract PI
Amount: \$158,054 (UTH subcontract)
Dates: 10/13/16 – 10/12/19 (5% effort)
Funding agency: PCORI/Harvard (CDRN-1306-04608)
4. Patient Medical History Representation, Extraction, and Inference from EHR Data
PI: Cui Tao (Bernstam, Co-I)
Amount: \$1.2M
Dates: 9/1/14 – 8/31/19 (3% effort)
Funding agency: NIH/NLM (R01 LM011829)
5. Accrual to Clinical Trials (ACT) Network
PI: Elmer V. Bernstam (site PI)
Amount: \$115,000
Dates: 6/1/18-5/31/19 (10% Effort)
Funding Agency: National Center for Advancing Translational Science (NCATS), NIH (via subcontract from the University of Pittsburgh Clinical and Translational Science Institute, 3 UL1 TR001857)
6. Interactive machine learning methods for clinical natural language processing
PI: Hua Xu (Bernstam, Co-I)
Amount: \$1.2M
Dates: 9/1/14 – 8/31/18 (5% effort)
Funding agency: NIH/NLM (R01 LM01068)
7. UT-Southwestern Clinical and Translational Alliance for Research (UT-STAR) (Subcontract from UT Southwestern)
PI: Robert Toto (UT Southwestern);
Bernstam, UTH subcontract PI
Amount: \$309,217 (Grant budget: \$22.5M)
Dates: 12/1/13 – 4/30/18 (15% effort)
Funding agency: NIH/NCATS (Prime Award UL1 TR001105)

8. Center for Clinical and Translational Sciences (CCTS)
 - PI: David D. McPherson (Bernstam: Director Informatics)
 - Amount: \$20M (Biomedical Informatics \$1.2M)
 - Dates: 7/1/12 – 6/30/18 (20% effort)
 - Funding agency: NIH/NCATS (UL1 TR000371)

9. Scalable Collaborative Infrastructure for a Learning Healthcare System Phase I
 - PI: Ken Mandl (Harvard); Bernstam, UTH subcontract PI
 - Amount: \$151,233 (UTH subcontract)
 - Dates: 10/1/13 – 9/30/16 (5% effort)
 - Funding agency: PCORI/Harvard (CDRN-1306-04608)

10. Informatics for Routine Personalized Cancer Therapy
 - PI: Elmer V. Bernstam (administrative PI) and Funda Meric-Bernstam (MDACC) – Joint PI
 - Amount: \$979,120
 - Dates: 9/1/13 – 8/31/16 (15% effort)
 - Funding agency: NIH/NCI (U01 CA180964)

11. Using Biomedical Knowledge to Identify Plausible Signals for Pharmacovigilance
 - PI: Trevor Cohen (Bernstam, Co-I)
 - Amount: \$929,811
 - Dates: 9/1/13 – 8/31/16 (5% effort)
 - Funding agency: NIH/NLM (R01 LM011563)

12. Rediscovering drug side effects: the impact of analytical assumptions on the detection of associations in EHR data
 - PI: Elmer V. Bernstam
 - Amount: \$36,000
 - Dates: 6/1/14-5/31/2016
 - Funding agency: Innovation in Cancer Prevention Research Training Program
 - Stipend recipient: Jose Franck Diaz Vasquez

13. Correspondence of Topic Models and MeSH Terms for PubMed Abstracts
 - PI: Elmer V. Bernstam
 - Amount: \$36,000
 - Dates: 6/1/14-5/31/2016
 - Funding agency: Innovation in Cancer Prevention Research Training Program
 - Stipend recipient: Zhiguo (Stanley) Yu

14. Planning for the University of Texas Clinical Data Network (UT-CDN)
 - PI: Elmer V. Bernstam
 - Amount: \$75,000
 - Dates: 12/1/15-5/30/16
 - Funding agency: The University of Texas System

15. III: Medium: Collaborative Research: Data Mining and Cleaning for Medical Data Warehouse
 - PI: Chris Jermaine (Rice) and Elmer V. Bernstam
 - Amount: \$1.2M
 - Dates: 9/1/10 – 8/31/15 (17% effort)
 - Funding agency: NSF/Information Integration and Informatics (Award #: 0964613)

16. National Center for Cognitive Informatics and Decision Making in Healthcare
 PI: Jiajie Zhang (Bernstam, Co-I)
 Amount: \$15M
 Dates: 4/1/10 – 3/31/14 (9% effort)
 Funding agency: ONC (Strategic Health IT Advanced Research (SHARP) Projects Program: Patient Centered Cognitive Support, #10510592)
17. Innovation Platform for Substitutable Apps with Access to Networked Healthcare Data. (Subcontract from Harvard University)
 PI: Isaac Kohane (Harvard); Bernstam, UTH subcontract PI
 Amount: \$307,772 (Grant budget: \$15M)
 Dates: 4/1/10 – 8/31/13 (5% effort)
 Funding agency: ONC (Strategic Health IT Advanced Research (SHARP) Projects Program: Healthcare Application and Network Platform Architectures, #10510924)
18. High-throughput phenotyping combining machine learning and collaborative knowledge acquisition
 PI: Elmer V. Bernstam
 Amount: \$51,142
 Dates: 3/1/12-2/28/2013
 Funding agency: Computational Cancer Biology Training Program
 Stipend recipient: Erel Joffe, MD, MSc
19. UT-Southwestern Clinical and Translational Alliance for Research (UT-STAR) (Subcontract from UT Southwestern)
 PI: Robert Toto (UT Southwestern); Bernstam, UTH subcontract PI
 Amount: \$204,961 (Grant budget: \$6.3M)
 Dates: 6/1/12 – 6/30/13 (20% effort)
 Funding agency: NIH/NCATS (Prime Award UL1 TR000451)
20. An *in silico* method for epidemiological studies using electronic medical records
 PI: Hua Xu (Bernstam, Co-I)
 Amount: \$762,738
 Dates: 09/03/2009 - 07/31/2013 (5% effort)
 Funding agency: NIH/NCI (R01CA141307)
21. Training Excellence in Aging Studies (TEXAS)
 PI: Carmel B Dyer (Bernstam: Director Informatics)
 Amount: \$3.25M
 Dates: 1/1/09 – 12/31/12 (5% effort)
 Funding agency: Reynolds Foundation
22. Encoding Semantic Knowledge in Vector Space for Biomedical Information
 PI: Trevor Cohen (Bernstam, Co-I)
 Amount: \$221,500
 Dates: 9/30/10 – 9/29/12 (5% effort)
 Funding agency: NIH/NLM (1 R21 LM010826)
23. Concept-Level Methods for Comparative Effectiveness Research
 PI: Elmer V. Bernstam
 Amount: \$951,776
 Dates: 9/24/09 – 8/31/12 (30% effort)
 Funding agency: NIH/NCRR (1 RC1 RR 028254)

24. Development of an Inter-University Oral Health Research Database
 PI: Muhammad F. Walji (Bernstam: Co-I)
 Amount: \$448,506.00
 Dates: 7/1/2009-8/31/2012 (5% effort)
 Funding agency: NIH/NLM (1 G08 LM 010075)
25. Center for Clinical and Translational Sciences (CCTS)
 PI: David D. McPherson (Bernstam: Director Informatics)
 Amount: \$36M (Biomedical Informatics \$3M)
 Dates: 9/30/06 – 6/30/12 (31% effort)
 Funding agency: NIH/NCATS (UL1 TR000371)
26. SHRINE National Demonstration (Subcontract from Harvard University CTSA)
 PI: Elmer V. Bernstam (Grant PI: Lee Nadler)
 Amount: \$20,000
 Dates: 9/1/11 – 4/31/12 (5% effort)
 Funding agency: NIH/NCRR (3 UL1 RR025758-04SW81XWH-11-1-0023/149734.386542.0484)
 Projects Program: Pilot implementation of the SHRINE federated data i2b2 infrastructure.
27. A Medical Home Pilot Evaluation: A Model for Comparative Effectiveness Research
 PI: Kim Dunn (Bernstam, Co-I)
 Amount: \$862,400
 Dates: 9/24/09 – 8/31/11 (3% effort)
 Funding agency: NIH/NCRR (1 RC1 RR 028329)
28. Privacy in Large Biomedical Databases (National Library of Medicine Fellowship)
 PI: Elmer V. Bernstam
 Amount: \$51,036
 Dates: 10/1/09-9/31/2010
 Funding agency: Gulf Coast Consortium for Computational and Structural Biology
 Stipend recipient: J. Mark Ettinger, PhD
29. Preventing inpatient medical errors by improving nurse-doctor communication via telephone
 PI: Elmer V. Bernstam
 Amount: \$100,000
 Dates: 7/1/2009-6/30/2010 (15% effort)
 Funding agency: The University of Texas System
30. 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)
31. 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)

32. Usability Evaluation of CHCS/AHLTA and Cerner CPOEs.
 PI: Jiajie Zhang (Bernstam, Co-I)
 Amount: \$157,940
 Dates: 3/1/08 – 2/28/09 (5% effort)
 Funding agency: DOD/Mission Hospitals
33. Center for Research Translation in Scleroderma (CORT)
 PI: Frank C. Arnett (Bernstam, Co-I)
 Amount: \$7.5M
 Dates: 9/1/07 – 8/31/08 (5% effort)
 Funding agency: NIAMS/NIH
34. 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)
35. 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
36. 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
37. 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
38. 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
39. 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
40. NASA Johnson Space Center/Wyle Life Sciences
 PI: Elmer V. Bernstam
 Amount: 40% effort
 Dates: 6/1/03 – 9/30/03
 Funding agency: NASA

41. 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

**TRAINING
LEADERSHIP**

UTHealth Training Director Program Co-Director (Director: Lydia Kavraki, Rice University) National Library of Medicine (NLM) Training Program NLM/NIH Gulf Coast Consortia Houston, TX	Sep 2012 - present
Executive Committee Member Innovation for Cancer Prevention Research Training Program Cancer Prevention and Research Institute of Texas (CPRIT) School of Public Health The University of Texas Health Science Center at Houston Houston, TX	Sep 2012 - present
Executive Committee Member Quantitative and Computational Biosciences Graduate Program (formerly Structural and Computational Biology and Molecular Biophysics Training Program) Baylor College of Medicine Houston, TX	Feb 2011 - present
UTHealth Training Director Computational Cancer Biology Training Program Cancer Prevention and Research Institute of Texas (CPRIT) Gulf Coast Consortia Houston, TX	Jun 2010 - present

TRAINEES

Current Post-Doc:

Current PhD:

1. Sarah May (committee member)
2. Surabhi Datta (committee member)
3. Yuqi Si (committee member)
4. Ramiz Iqbal (GSBS) (committee member)
5. Carlos Vera Recio (GSBS) (committee member)

Current MS (Research):

1. Lillian Sylvia Aidi-Way
2. Adeola Akinfaderin
3. Asad Amin
4. Subasini Bangar
5. Karla Boeta-Lopez
6. Anshul Gandhi
7. Bing Liu
8. Viralkumar Bharatbhai Vaghani

Graduated Post-Doc (≥ 1 year):

1. Erel Joffe, MD (Sep 2011 – Sep 2013) – Collaborative knowledge acquisition, expert systems
Position after graduation: Hematology fellow, Tel Aviv Medical Center, Tel Aviv, Israel.
2. Kevin Hwang, MD (2005-2008) – Informatics applied to population health management.
Position after graduation: Assistant Professor, UTHealth, Houston, TX

Graduated PhD:

1. Justin Mower (Committee Member, Spring 2016 – Summer 2018) – Compositional relation-based learning (CoRL): a general purpose method to literature-derived relationships applied to pharmacovigilance.
Position after graduation: Post-doc, Rice University, Houston, TX
2. Safa Fathiamini (Committee Member – Summer 2018) - Comparing attributional and relational similarity as a means to identify clinically relevant drug-gene relationships.
Position after graduation: Biomedical Informatician, Architect, Infor Corporation Houston, TX
3. Scott Malec (Committee Member, Spring 2016 – Spring 2018) – Using the literature to identify confounders.
Position after graduation: Post-doc, University of Pittsburgh, Pittsburgh, PA
4. Zhiguo (Stanley) Yu (Committee Member; Spring 2014 – Summer 2017) Understanding PubMed Search Results Using Topic Models and Interactive Informative Visualization
Position after graduation: Data Scientist, Microsoft Research, Seattle, WA

5. Jose (Franck) Diaz Vasquez (Committee Member; Summer 2012 – Fall 2015)
Visualization for exploration of large clinical data sets.
Position after graduation: Research Associate, Clinical and Translational Science Institute, Wake Forest Baptist Health, Winston-Salem, NC
6. Deevakar Rogith (Committee Member; Fall 2011 – Fall 2015)
Process mining of medication revisions in electronic health records.
Position after graduation: Post-doc, UT SBMI, Houston, TX
7. J. Caleb Goodwin (Primary Advisor; Fall 2008 – Fall 2015)
Implication of computational cognitive models for information retrieval.
Position after graduation: Senior Lead Data Scientist, Ravel Law, San Francisco, CA
8. Ning (Sunny) Shang (Committee Member; Fall 2008 – Fall 2014)
Literature-based discovery.
Position after graduation: Post-doc, Columbia University, NY, NY
9. Jorge R. Herskovic, MD (Primary Advisor; Fall 2005 - Fall 2008)
Evaluation of link analysis algorithms in biomedical information retrieval.
Position after graduation: Assistant Professor of Health Information Sciences, UT-Houston
10. Rohan Bhavane (Committee Member; Spring 2005 - Summer 2006)
Pulmonary drug delivery using novel liposomal delivery systems.
Position after graduation: Post-doc, UT-Houston
11. Muhammad Walji (Committee Member; Fall 2003 – Fall 2006)
Persuasive messaging.
Position after graduation: Assistant Professor, UT-Houston Dental School.

Graduated MS (Research):

1. Fatima Ashraf - Performing Extract-Transform-Load (ETL) Process for Clinical Data Warehouse.
Position after graduation: Programmer-Analyst, UT School of Biomedical Informatics.
2. Kendall Kiser - Artificial intelligence in radiation oncology treatment planning: A brief overview.
Position after graduation: Medical student, McGovern Medical School.
3. Adetomiwa (Tom) Oguntuga – Sentiment analysis of clinical notes.
Position after graduation: Senior Analyst, Medical Informatics at Practice Fusion
4. Gary Walker, MD -- Prospective randomized double-blind study of atlas-based organ-at-risk autosegmentation-assisted radiation planning in head and neck cancer.
Position after graduation: Resident in radiation oncology, The UT MD Anderson Cancer Center.
5. Marla Hawkins (Daves) (primary advisor) – Meta-analysis of multiple microarray datasets reveals a common gene signature of metastasis in solid tumors
Position after graduation: Assistant Professor, Pediatric Hematology/Oncology, Baylor College of Medicine (Texas Children’s Hospital).

6. 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.
7. Muhammad Walji, MS (Fall 2001 – Fall 2002) – Searching for cancer-related information online: unintended retrieval of complementary and alternative medicine information. *Position after graduation:* UT-SHIS PhD program.
8. Jorge R. Herskovic, MD, MS (Fall 2003 – Spring 2005) – Using incomplete data for MEDLINE results ranking. *Position after graduation:* UT-SHIS PhD program.
9. 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.
10. Kimberly A. Smith-Aiken, MS – Developing a Veterinary Informatics Research Agenda: The State of the Science.
Position after graduation: UT-SHIS PhD program.
11. 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

Introduction to Clinical Health Care (HI 5004) (designed and taught)	2014: Spring 2016: Spring 2017: Spring 2020: Spring
Foundations of Health Informatics II (HI 5311)	2010: Spring (with Dr. Todd Johnson) 2011: Spring (with Dr. Trevor Cohen)
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 J. Herskovic, MD – Fall 2005, Fall 2006, Spring 2007 J. Gossey, MD – Spring 2005 K. Hwang, MD – Summer 2008 J. Goodwin – Spring 2011 Rafeek Yusuf – Summer 2012, Fall 2012 Deevakar Rogith – Summer 2012, Fall 2012
Health Informatics Short Course: (designed and directed course)	March 2002 September 2002

COMMITTEE SERVICE
Present total active
committees: 7 (bold)

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 Biomedical Informatics

1. Faculty development (2013-2016)
2. Curriculum (2002-2011, 2017-2018)
3. Executive (2002-2006)
4. Co-supervisor of IT Support (2003-2006)
5. Co-supervisor of IT Development (2005-2006)
6. Co-supervisor SHIS IT (2006-2011)
7. Scholarship/Teaching Incentive (2006)
8. Faculty Search (2003-2009, Chair 2012-2015)
9. Space (2004-2008)
- 10. Admissions (2005 – 2012, 2019-present)**
11. Applied track planning (2005-2006)
12. Incentive plan review (2002)
13. Strategic planning (2002)

University-Level Committees

1. IT Infrastructure (2003-2006)
2. Awards (2003-2006)
3. Faculty Development Leave (2003-2011)
4. Inter-Faculty Council (IFC, 2002-2011, 2012-2015, 2017, Chair 2009-2010)
IFC Faculty Status, Rights and Responsibilities sub-committee (2004-2009,
Chair, 2005)
5. IFC Administrative sub-committee (2014-2015)
6. Nominating (2002-2008)
7. Translational Research Center Planning (2005)
8. President Search Committee (elected from Interfaculty Council 2008)
9. President's Scholar Award Review Committee (2017)
- 10. EHR Physician Advisory (2013-present)**

Medical School

1. Continuing Medical Education (2004-2009)
2. Computerized Physician Order Entry (2005-2006)
3. Bioinformatics Faculty Search Committee (2004-2007), (IMM 2013-2014)
4. Research Conflict of Interest Committee (2006-2009)

Texas Medical Center, National, Other Institutions

1. HAM-TMC Library Advisory Committee (2007-2009, 2013-2014)
2. UTMB (Galveston) Bioinformatics Faculty Search Committee (2007-2010)
- 3. CTSA Biomedical Informatics Key Function Committee (now informatics Domain Task Force) (2006-present)**
4. CTSA Biomedical Informatics National Operations (Executive) Committee (2007-2009)
5. American Medical Informatics Association Meetings Committee (2008-2012)
6. American College of Physicians Medical Informatics Committee (5/2015-5/2019)
7. American Society of Clinical Oncology HIT working group (2015-2020)
8. Gulf Coast Consortia Bioinformatics Consortium Co-Lead (2015-2018)
9. American College of Medical Informatics (ACMI) Executive Committee (2016-2018)
10. HAM-TMC Library Board (2018-2020)

1. Malec SA, **Bernstam EV**, Wei P, Boyce RD, Cohen T. Using computable knowledge mined from the literature to elucidate confounders for EHR-based pharmacovigilance. *J Biomed Inf*, *in press*.
2. Diaz-Garelli F, Johnson TR, Rahbar MH, **Bernstam EV**. Exploring the Hazards of Scaling Up Clinical Data Analyses: A Drug Side Effect Discovery Case Report. *AMIA Summits Transl Sci Proc*. 2021, *in press*.
3. Aswathi C, Rashtak S, Patil PB, Gottlieb A, **Bernstam E**, Gua S, Ramiredd S, Badillo R, DaVee RT, Kao L, Thosani N. Comparing Diagnostic Accuracy of Current Practice Guidelines in Predicting Cholelithiasis: Outcomes from a Large Healthcare System Comprising both Academic and Community Setting. *Gastrointest Endosc.*, *in press*.
4. Goodrum H, Roberts K, **Bernstam EV**. Automatic Classification of Scanned Electronic Health Record Documents. *Int J Med Inf*, *in press*.
5. Yu L, Li L, **Bernstam EV**, Jiang X. A deep learning solution to recommend laboratory reduction strategies in ICU. *Int J Med Inf*, 2020 Sep 22;144:104282. doi: 10.1016/j.ijmedinf.2020.104282.
6. Araya A, Zeng JK, Johnson A, Shufean MA, Rodon J, Meric-Bernstam F, **Bernstam EV**. Rate of change in investigational treatment options: An analysis of reports from a large precision oncology decision support effort. *Int J Med Inf*, 2020 Aug 24;143:104261. doi: 10.1016/j.ijmedinf.2020.104261.
7. Raisaro JL, Marino F, Troncoso-Pastoriza J, Beau-Lejdstrom R, Bellazzi R, Murphy R, **Bernstam EV**, Wang H, Bucalo M, Chen Y, Gottlieb A, Harmanci A, Kim M, Kim Y, Klann J, Klersy C, Malin BA, Mean M, Prasser F, Scudeller L, Torkamani A, Vaucher J, Puppala M, Wong STC, Frenkel-Morgenstern M, Xu H, Musa BA, Habib AG, Cohen T, Wilcox A, Salihu HM, Sofia H, Jiang X, Hubaux JP. SCOR: A secure international informatics infrastructure to investigate COVID-19. *J Am Med Inf Assoc*, 2020 Jul 10:ocaa172. doi: 10.1093/jamia/ocaa172.
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9. Yu L, Zhang Q, **Bernstam EV**, Jiang X. Predict or draw blood: an integrated method to reduce lab tests. *J Biomed Inf*, 2020 Apr;104:103394. doi: 10.1016/j.jbi.2020.103394.
10. Baral-Corren Y, Castro VM, Nock MK, Mandl KD, Madsen E, Seiger A, Adams W, Applegate RJ, **Bernstam EV**, Klann JG, McCarthy E, Murphy S, Natter M, Ostasiewski B, Patibandla N, Rosenthal G, Silva GS, Wei K, Weber GM, Weiler SR, Reis BY, Smoller JW. Validation of an EHR-Based Suicide Risk Prediction Modeling Approach Across Multiple Healthcare Systems. *JAMA Netw Open*. 2020 Mar 2;3(3):e201262. doi: 10.1001/jamanetworkopen.2020.1262.
11. Datta S, **Bernstam EV**, Roberts K. A frame semantic overview of NLP-based information extraction for cancer-related EHR notes. *J Biomed Inform*. 2019 Dec;100:103301. doi: 10.1016/j.jbi.2019.103301.
12. Diaz-Garelli JF, **Bernstam EV**, Lee MJ, Hwang K, Rahbar MH, Johnson TR. DataGauge: A practical process for systematically designing and implementing quality assessments of repurposed clinical data. *eGEMs (Generating Evidence & Methods to improve patient outcomes)*. 2019;7(1):32. DOI: <http://doi.org/10.5334/egems.286>

13. Zeng J, Shufean MA, Khotskaya Y, Yang D, Kahle M, Johnson A, Holla V, Sánchez N, Mills Shaw KR, **Bernstam EV**, Meric-Bernstam F. OCTANE: Oncology clinical trial annotation engine. *JCO Clin Cancer Inform.* 2019 Jul;(3):1-11. doi: 10.1200/CCI.18.00145.
14. Chang JT, Volk DE, Gorenstein DG, Steffen D, **Bernstam EV**. Bioinformatics service centers: not service centers. *J Biomed Inform.* 2019 Jun;94:103192.
15. Estiri H, Klann JG, Weiler SR, Alema-Mensah E, Applegate RJ, Lozinski G, Patibandla N, Wei K, Adams WG, Natter MG, Ofili E, Ostasiewski B, Quarshie A, Rosenthal GE, **Bernstam EV**, Mandl K, Murphy SN. A federated EHR network data completeness tracking system. *J Am Med Inform Assoc.* 2019 Jul 1;26(7):637-645.
16. Fathiamini S, Johnson AM, Zeng J, Holla V, Sanchez NS, Meric-Bernstam F, **Bernstam EV**, Cohen T. Rapamycin – mTOR + BRAF =? Using Relational Similarity to Find Therapeutically Relevant Drug-Gene Relationships in Unstructured Text. *J Biomed Inform.* 2019 Feb;90:103094.
17. Guerrero SC, Sridhar S, Edmonds C, Solis CF, Zhang J, McPherson DD, **Bernstam EV**. Access to routinely collected clinical data for research: A process implemented at an academic medical center. *Clin Trans Sci.* 2019 May;12(3):231-235. doi: 10.1111/cts.12614.
18. Roberts K, Gandhi A, **Bernstam EV**. A FrameNet for Cancer Information in Clinical Narratives: Schema and Annotation. Proceedings of the 11th International Conference on Language Resources and Evaluation, May 7-12, 2018; Miyazaki, Japan, pp. 272-9.
19. Payne PRO, **Bernstam EV**, Starren J. Biomedical Informatics Meets Data Science: Current State and Future Directions for Interaction, *JAMIA Open*, Volume 1, Issue 2, 1 October 2018, Pages 136–141, <https://doi.org/10.1093/jamiaopen/ooy032>.
20. George GC, Iwuanyanwu EC, Buford AS, Piha-Paul SA, Subbiah V, Fu S, Karp DD, Pant S, Hinojosa CO, Hess KR, Cleeland CS, **Bernstam EV**, Meric-Bernstam F, Hong DS. Cancer-Related Internet Use and its Association with Patient Decision Making and Trust in Physicians among Patients in an Early Drug Development Clinic. *J Med Internet Res.* 2019 Mar 14;21(3):e10348. doi: 10.2196/10348.
21. George GC, Buford A, Hess K, Piha-Paul SA, Zinner R, Subbiah V, Hinojosa C, Cleeland CS, Meric-Bernstam F, **Bernstam E**, Hong DS. Cancer-Related Internet Use and Online Social Networking among Patients with Advanced Cancer in an Early Phase Clinical Trials Clinic at a Comprehensive Cancer Center. *JCO Clin Cancer Inf.* 2018;2, 1-14.
22. Kurnit K, Dumbrava EI, Litzenburger B, Khotskaya Y, Johnson A, Yap T, Rodon J, Zeng J, Shufean M, Bailey A, Sánchez N, Holla V, Mendelsohn J, Shaw K, **Bernstam EV**, Mills GB, Meric-Bernstam F. Precision oncology decision support: current approaches and strategies for the future. *Clinical cancer research.* 2018; 24(12):2719-2731.
23. Brusco L, Wathoo C, Mills Shaw KR, Holla V, Bailey AM, Johnson A, Khotskaya YB, Sanchez N, Zeng J, **Bernstam EV**, Eng C, Kee B, Amaria R, Routbort M, Mills GB, Mendelsohn J, Meric-Bernstam F. Physician Interpretation of Genomic Test Results and Treatment Selection. *Cancer.* 2018 Mar 1;124(5):966-972.
24. Malec S, Gottlieb A, **Bernstam E**, Cohen T. Using the literature to construct causal models for pharmacovigilance. Proceedings of the 4th Workshop on Data Mining for Medical Informatics: Causal Inference for Health Data Analytics, Washington DC, November 4, 2017.

25. Weber GM, Adams WG, **Bernstam EV**, Bickel JP, Fox KP, Marsolo K, Raghavan VA, Turchin A, Zhou X, Murphy SN, Mandl KD. Biases introduced by filtering electronic health records for patients with “complete data” J Am Med Inform Assoc. 2017 Nov 1;24(6):1134-1141.
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27. Kurnit K, Bailey A, Zeng J, Johnson A, Shufean M, Litzenburger B, Sánchez N, Khotskaya Y, Holla V, Mills G, Mendelsohn J, **Bernstam E**, Shaw K, Meric-Bernstam F. Www.PersonalizedCancerTherapy.org: A Publically available precision oncology resource. Cancer Res. 2017 Nov 1;77(21):e123-e126.
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31. Yu Z, **Bernstam EV**, Cohen T, Wallace BC, Johnson TR. Improving the Utility of MeSH terms Using the TopicalMeSH Representation. J Biomed Inform. 2016 Jun;61:77-86. doi: 10.1016/j.jbi.2016.03.013.
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34. Xu J, Lee HJ, Zeng J, Wu Y, Zhang Y, Huang LC, Johnson A, Holla V, Bailey AM, Cohen T, Meric-Bernstam F, **Bernstam EV**, Xu H. Extracting genetic information for personalized cancer therapy from ClinicalTrials.gov. J Am Med Inform Assoc. 2016 Jul;23(4):750-7.
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37. Diaz-Garelli JF, **Bernstam EV**, Rahbar MH, Johnson TR. Rediscovering drug side effects: the impact of analytical assumptions on the detection of associations in EHR data. *AMIA Summits Transl Sci Proc*. 2015 Mar 25;2015:51-5.
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**PEER REVIEWED
POSTERS, PANELS AND
ABSTRACTS**

1. **Bernstam EV**, Warner J, Krauss JC, Ambinder E, Rubinstein W, Komatsoulis G, Miller RS, Chen JL. Continuum of interoperability. Podium abstract presented at the AMIA 2019 Fall Symposium, November 16-20, 2019; Washington, DC.
2. **Bernstam EV**, Bellazzi R, Liu L, Meric-Bernstam F. Precision Medicine Informatics: Translating research into practice around the World. Panel presented at the 17th World Congress of Medical and Health Informatics (Medinfo 2019), August 25-30, 2019; Lyon, France.
3. **Bernstam EV**, Warner JL, Krauss JC, Ambinder EP, Rubinstein WS, Komatsoulis GA, Miller RS, Chen JL. Quantifying interoperability: An analysis of oncology practice electronic health record data variability. Proceedings of the American Society of Clinical Oncology Annual Meeting, May 31-June 4, 2019; Chicago, IL.
4. Schorer AE, Koskimaki J, Miller RS, Rubinstein WS, **Bernstam EV**, Krauss JC, Moldwin R, Venepalli NK, Chen JL. Electronic but overly eclectic: Disciplined EHR data management is needed to automate MIPS reporting. Proceedings of the American Society of Clinical Oncology Annual Meeting, May 31-June 4, 2019; Chicago, IL.
5. Hamilton JE, Shahani LR, **Bernstam EV**, Allen MK, Lane SD, Selek S. Higher Prevalence of Cocaine Abuse Among HIV Infected Inpatients in a Psychiatric Hospital. Poster presented at the International Society of Affective Disorders and Houston Mood Disorders Conference; Houston, TX, September 21, 2018.
6. Malec SA, Majid RM, Liu H, **Bernstam EV**, Wei P, Cohen T. Using domain knowledge to construct causal models from clinical observational data. Poster presented at the Rice machine-learning symposium; Houston, TX, Jan 24, 2017.
7. George GC, Buford A, Hess K, Piha-Paul SA, Zinner R, Subbiah V, Iwuanyanwu E, Cleeland CS, Meric-Bernstam F, **Bernstam EV**, Hong DS. Cancer-related Internet use in patients with advanced cancer in a phase I clinical trials clinic. Abstract presented in the Clinical Trial Methodology poster session of the EORTC-NCI-AACR Molecular Targets and Cancer Therapeutics Symposium in Munich, Germany, November 30, 2016. *European Journal of Cancer*. 2016;68:S65.
8. Hall MA, Aguirre M, Applegate RJ, Hong YF, Guerrero SC, **Bernstam EV**, Frazier LQ, and Sanner JE. Sample location and enhanced distribution (SLED): a research biorepository query and request tool. Accepted for presentation at the 2016 International Society for Biological and Environmental Repositories (ISBER) Regional Meeting, Bethesda, MD, November 7-8, 2016.
9. Yu Z, Cohen T, Wallace BC, **Bernstam EV**, Johnson TR. Retrofitting word vectors of MeSH terms to improve semantic similarity measures. Poster presented at Louhi 2016, the Seventh International Workshop on Health Text Mining and Information Analysis, November 5, 2016, Austin, TX.
10. Kookal KK, Tran D, Applegate RJ, Spallek H, Kalendrian E, White JM, **Bernstam E**, Walji MF. BigMouth: Development of a Scalable Infrastructure to Support Multi Institutional Data Sharing for Dentistry. Proceedings of the AMIA Fall Symposium 2015, November 14-18, 2015; San Francisco, CA. p. 1534.
11. Yu Z, **Bernstam E**, Cohen T, Wallace BC, Johnson TR. Improving Retrieval of PubMed Articles Using the TopicalMeSH Representation. Proceedings of the AMIA Fall Symposium 2015, November 14-18, 2015; San Francisco, CA. pp. 167-8.

12. Shaw KR, Zeng J, Bailey AM, Johnson A, Litzenburger B, Holla V, **Bernstam EV**, Mills GB, Mendelsohn J, Routbort M, Meric-Bernstam F. Development of a public knowledgebase to facilitate decision support for clinical cancer genomics reporting and clinical trial enrollment. Proceedings of the American Society of Clinical Oncology Annual Meeting, May 29-June 2, 2015; Chicago, IL. J Clin Oncol 33:5s, 2015 (suppl; abstr e22163)
13. Diaz-Garelli JF, **Bernstam EV**, Johnson TR. Adapting temporal event sequence visualizations to create dataset overviews for continuous temporal EHR data: the impact of data transformation. Proceedings of the AMIA Joint Summits on Translational Science, March 23-7, 2015; San Francisco, CA.
14. Yu Z, Johnson TR, **Bernstam EV**, Cohen T. Correspondence of topic models and MeSH terms for PubMed abstracts. Proceedings of the AMIA Joint Summits on Translational Science, March 23-7, 2015; San Francisco, CA.
15. Rogith D, Yusuf RA, Hovick SR, Fellman BM, Peterson SK, Burton-Chase AM, Li Y, **Bernstam EV**, Meric-Bernstam F. Knowledge and information seeking about personalized cancer therapy. Poster presented at the San Antonio Breast Cancer Symposium, December 9-13, 2014; San Antonio, TX.
16. Fathiamini S, Johnson A, Holla V, Bailey A, Zheng J, Brusco L, **Bernstam EV**, Meric-Bernstam F, Cohen T. Exploring the Use of SemRep Predications to Help Identify Secondary Drug Targets for Personalized Cancer Therapy. Proceedings of the AMIA Fall Symposium 2014, November 15-19, 2014; Washington DC.
17. Joffe E, Coombes KR, Qiu YH, Yoo SY, Zhang N, **Bernstam EV**, Kornblau SM. Survival Prediction in High Dimensional Datasets – Comparative Evaluation of LASSO Regularization and Random Survival Forests. Proceedings of the American Society of Hematology Annual Meeting, December 7-10, 2013; New Orleans, LA.
18. Willcockson IU, Herskovic JR, Sutton MA, Hoyt RE, Johnson CW, Johnson TR, **Bernstam EV**. Using early quizzes to predict student outcomes in online introductory biomedical informatics courses. Proceedings of the AMIA Fall Symposium 2013, November 16-20, 2013; Washington DC.
19. Yusuf RA, Rogith D, Hovick SR, Peterson SK, Burton-Chase AM, Li Y, **Bernstam EV**, Meric-Bernstam F. Racial differences in attitudes towards molecular testing for personalized cancer therapy. Proceedings of the American Society of Clinical Oncology Annual Meeting, May 31-June 4, 2013; Chicago, IL.
20. Rogith D, Yusuf RA, Hovick SR, Peterson SK, Burton-Chase AM, Li Y, Meric-Bernstam F, **Bernstam EV**. Attitudes regarding privacy of genomic information in personalized cancer therapy. Proceedings of the American Society of Clinical Oncology Annual Meeting, May 31-June 4, 2013; Chicago, IL.
21. Guerrero S, Byrne M, Hwang K, **Bernstam E**. BIGTxt: a Mobile Application for Supporting Lifestyle Changes. Poster presented at: AMIA Clinical Research Informatics Summit, March 20-22, 2013; San Francisco, CA.
22. Anderson N, Athey B, **Bernstam E**, Bickel J, Ge Y, Marsolo K, Murphy S, Wynden R, MacFadden D, Kohane I. SHRINE national pilot. Poster presented at: AMIA Clinical Research Informatics Summit, March 20-22, 2013; San Francisco, CA.
23. Joffe E, Herskovic JR, Bearden CF, **Bernstam EV**. Expert guided natural language processing. In: *Cancer Prevention Research Institute of Texas Annual Conference*; 2012.

24. Herskovic JR, Subramanian D, Cohen T, Bozzo Silva PA, Bearden CF, **Bernstam EV**. Graph-based signal integration for patient diagnosis discovery. Presented at BIOT 2011, October 20-21, Houston, TX.
25. Reeder P, Byrne M, Guerrero S, Herskovic J, **Bernstam EV**. Implementation of an Enterprise Master Person Index for Clinical Research. Proceedings of the AMIA Fall Symposium 2011, p. 1936.
26. Hwang KO, Etchegaray JM, **Bernstam EV**, Thomas EJ. Predictors of intention to share educational health information via online social network ties. Poster presented at: Society of Behavioral Medicine 31st Annual Meeting, April 8th, 2010; Seattle, WA.
27. Hwang KO, Etchegaray JM, **Bernstam EV**, Thomas EJ. Activity in an online weight loss community predicts encouragement support. Poster presented at: Society of Behavioral Medicine 31st Annual Meeting, April 7th, 2010; Seattle, WA.
28. **Bernstam EV**, Herskovic JR, Reeder P, Meric-Bernstam F. Oncology research using electronic medical record data. Abstract ID: e16501. American Society of Clinical Oncology 2010 Annual Meeting, Chicago, IL, June 4-8, 2010.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. Walji M, Johnson-Throop K, Johnson T, **Bernstam E**, Zhang J. Persuasive Email Reminders to Enhance Appointment Adherence for Diabetics. AMIA Spring Congress. 2006.
35. 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.
36. **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.
37. 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.

38. 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.
39. 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.
40. **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.
41. 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.
42. **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.
43. 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.
44. 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.
45. **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**, Johnson TR, Herskovic JR & Cohen T. (2012). Healthcare Data, Information and Knowledge. In RE Hoyt, A Yoshihashi, Bailey NJ (Eds.), *Medical Informatics: Practical Guide for Healthcare and Information Technology Professionals Fifth Edition* (p. 37-57). Lulu.com. (ISBN 978-1-105-43755-7)
[Updated for Seventh Edition]
2. **Bernstam EV**, Meric-Bernstam F. Quality and accuracy of online health information, pp. 35-62. Chapter in: Whitten, P., Kreps, G.L., and Eastin, M.S. (Eds.) (2011). *E-health: The advent of online cancer information systems*. Cresskill, NJ: Hampton Press.
3. **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.

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4. **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.
5. **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.
6. Hoyt RE, **Bernstam EV**, Johnson TR. (2010). Overview of Medical Informatics. In RE Hoyt & A Yoshihashi (Eds.), *Medical Informatics: Practical Guide for Healthcare and Information Technology Professionals Fourth Edition* (p. 1-34). Lulu.com (ISBN-13: 978-0-557-60808-9)
[Updated for Fifth Edition, ISBN 978-1-105-43755-7; January 2012]
7. Hoyt RE, **Bernstam EV**, Hersh WR. (2017). Overview of Medical Informatics. In RE Hoyt & A Yoshihashi (Eds.), *Medical Informatics: Practical Guide for Healthcare and Information Technology Professionals Seventh Edition; in pres.*

**INVITED
PUBLICATIONS AND
PRESENTATIONS**

1. **Bernstam EV.** Informatics support for clinical and translational research. Informatics Research Seminar. Keck Seminar (Virtual), Gulf Coast Consortia. November 6, 2020.
2. **Bernstam EV.** Informatics support for clinical and translational research. Informatics Research Seminar (Virtual). Department of Biomedical Informatics and Medical Education, University of Washington School of Medicine. October 8, 2020.
3. **Bernstam EV (Chair),** Spratt H, Bian J, Krishnamurthy A, Robinson P, Lindsell C. AI in clinical and translational research. Panel presented at the 2020 CTSA informatics Enterprise Committee meeting (Virtual). April 3, 2020.
4. **Bernstam EV.** Informatics support for clinical and translational research. 2nd Steering Committee Meeting for the Translational Liver Cancer (TLC) Consortium. Baylor College of Medicine, Houston, TX. February 21, 2020.
5. Liu H, de Groen P, **Bernstam EV,** Johnson A. Panel discussion presented at: The 2nd Clinical NLP workshop at NAACL 2019. Minneapolis, MN. June 7, 2019.
6. **Bernstam EV.** Informatics support for precision medicine. The 29th Annual Edward C. Hinds Symposium on Contemporary Oral and Maxillofacial Surgery, Houston, TX. April 26-7, 2019.
7. Hale P, **Bernstam EV,** Pandita D. Hot Topics in Medical Informatics: Technology Trends Shaping Medicine. Panel presented at the ACP Internal Medicine Meeting 2019, Philadelphia, PA. April 13, 2019.
8. **Bernstam EV.** Reuse of routinely-collected clinical data for research and quality improvement. Rice Data Science Conference, Houston, TX. October 8, 2018.
9. **Bernstam EV.** Informatics support for precision medicine. University of Nebraska Medical Center. Omaha, NE. July 9, 2018.
10. **Bernstam EV.** Informatics support for precision medicine. Gordon Research Conference: Genetic Variation and Human Disease. Biddeford, ME. June 13, 2018. E 29th annual
11. **Bernstam EV.** Precision oncology from an informatics perspective. West Virginia University Cancer Center. Morgantown, WV. April 25, 2018.
12. Hale PL (moderator), **Bernstam EV.** Looking towards 2020: New care delivery models enabled by existing and near future technology. Panel presented at the ACP Internal Medicine 2018 meeting. New Orleans, LA. April 19, 2018.
13. **Bernstam EV (moderator),** Barr MS, Washington BV. What physicians really need from EHRs to be successful in a value-based world. Panel presented at the ACP Internal Medicine 2018 meeting. New Orleans, LA. April 21, 2018.
14. **Bernstam EV.** What is big data and what do I do with it? Department of Otolaryngology Grand Rounds. UTHealth, Houston, TX. October 26, 2017.
15. **Bernstam EV.** Precision medicine from an informatics perspective. NLM Georgia Biomedical Informatics Course. Young Harris, GA. September 12, 2017.
16. **Bernstam EV.** The Challenges of clinical documentation in the 21st century. Presented at the American Society of Clinical Oncology Annual Meeting. Chicago, IL. June 2-6, 2017. Also published in: Patt DA, **Bernstam EV,** Mandel JC, Kreda DA, Warner JL. More Medicine, Fewer Clicks: How Informatics Can Actually Help Your Practice. ASCO 2017 educational book. DOI: 10.14694/EDBK_174891.

17. Jermaine CM, Allen G, **Bernstam EV**, Lichtarge O, Parthasarathy S, Rodon Ahnert J, Sun J, Wallace B. Data Mining, Clinical Medicine, and Medical Research: The Current State and Future of the Nexus. Panel presented at the 2017 Society for Industrial and Applied Mathematics Internal Conference on Data Mining. Houston, TX. April 27-29, 2017.
18. **Bernstam EV**. Precision medicine from an informatics perspective. NLM Georgia Biomedical Informatics Course. Young Harris, GA. April 7, 2017.
19. Rajput ZA, **Bernstam EV**, Weiner MG. What physicians really need from EHRs to be successful in a value-based world. Panel presented at the American College of Physicians Internal Medicine meeting, San Diego, CA. April 1, 2017.
20. Richesson RL, Payne PRO, **Bernstam EV**, Chute CG, Meric-Bernstam F. ACMI panel on open data. ACMI 2017 Winter Symposium, Duck Key, FL. February 3-5, 2017.
21. **Bernstam EV**. Big [clinical] data in health care. Presented at the UT School of Biomedical Informatics Research Seminar, Houston, TX. October 14, 2016.
22. **Bernstam EV**, Meric-Bernstam F. Informatics for routine personalized cancer therapy. Presented at the Information Technology for Cancer Research (ITCR) principal investigator meeting. Broad Institute, Boston, MA. June 13-4, 2016.
23. Fathiamini S, Johnson AM, Zeng J, Araya A, Holla V, Bailey AM, Litzenburger BC, Sanchez NS, Khotskaya Y, Xu H, Meric-Bernstam F, **Bernstam EV**, Cohen T. Automated Identification of Molecular Effects of Drugs (AIMED). Poster presented at the Information Technology for Cancer Research (ITCR) principal investigator meeting. Broad Institute, Boston, MA. June 13-4, 2016.
24. Frey LJ, **Bernstam EV**, Denny JC. Precision medicine informatics. J Am Med Inform Assoc. 2016 Jul;23(4):668-70.
25. **Bernstam EV**. Precision oncology informatics. 12th Annual Tucson Symposium, March 8 – 9, 2016, Tucson, AZ.
26. **Bernstam EV**. Big Data: Clinical data warehousing at UTHealth. School of Information, September 22, 2015, The University of Texas at Austin, TX.
27. **Bernstam EV**. Big Data: Clinical data warehousing at UTHealth. Presented at the UTHealth Committee for the Protection of Human Subjects (CPHS) retreat, April 21, 2015, The University of Texas Health Science Center at Houston, TX.
28. **Bernstam EV**. Why is biomedical informatics hard? Presented at the Big Data: Shaping the future of healthcare delivery. Rice University Jones Business School, October 1, 2014, Houston, TX.
29. **Bernstam EV**. Biomedical informatics in clinical and translational research: challenges and opportunities. Presented at the Department of Psychiatry Grand Rounds, September 10, 2014, The University of Texas Health Science Center at Houston, TX.
30. **Bernstam EV**. Reuse of clinical data for research and quality improvement. Presented at the XXIII Congreso Colombiano de Medicina Interna, August 7, 2014, Cartagena, Colombia.
31. **Bernstam EV**. Clinical informatics fellowship. Presented at the XXIII Congreso Colombiano de Medicina Interna, August 7, 2014, Cartagena, Colombia.

32. **Bernstam EV.** Biomedical informatics in clinical and translational research: challenges and opportunities. Presented at the University of North Texas Health Science Center, Ft. Worth, TX, May 1, 2014.
33. **Bernstam EV.** Data use, reuse, stewardship and governance in a patient-centered care model. Presented at the AMIA 2013 Policy Meeting, December 18-19, 2013, Washington DC.
34. **Bernstam EV,** Chen K, Xu H, Meric-Bernstam F. Informatics infrastructure for routine personalized cancer therapy. Panel presented at the AMIA Fall Symposium 2013, November 16-20, 2013, Washington DC.
35. **Bernstam EV.** Reuse of Clinical Data. May 17, 2013, Puerto Rico Clinical and Translational Research Consortium, University of Puerto Rico Medical Sciences Campus, San Juan, PR.
36. **Bernstam EV.** Reuse of Clinical Data. April 16, 2013, Center for Clinical and Translational Science and Training (CCTST), University of Cincinnati and Cincinnati Children's Hospital, Cincinnati, OH.
37. **Bernstam EV.** The role of health informatics in improving the quality and safety of health care (Workshop). December 13, 2012, Kelsey-Seybold Research Foundation for Medical Research & Education Conference, Houston, TX.
38. **Bernstam EV.** Reuse of clinical data *C. difficile* surveillance and tracking. December 4, 2012, Conference on Clostridium difficile Infection (CDI). Moody Gardens, Galveston, TX.
39. **Bernstam EV.** Reuse of Clinical Data for Research and Quality Improvement. October 29, 2012, Department of Computational Medicine and Bioinformatics Seminar, University of Michigan, Ann Arbor, MI.
40. **Bernstam EV.** Clinical data reuse: the UTHealth experience. October 23, 2012, Linguamatics Summit, Newport, RI.
41. **Bernstam EV.** Clinical data reuse. September 21, 2012, Keck Center Seminar, Gulf Coast Consortia for Quantitative Biomedical Sciences, Houston, TX.
42. **Bernstam EV.** Biomedical Informatics at the Center for Clinical and Translational Sciences at UT Health: program status and lessons learned. September 12, 2012, Changing Patient Lives: Translational Research in the Lone Star State (Presented by the Texas Society for Biomedical Research), Austin, TX.
43. **Bernstam EV.** The role of health informatics in improving the quality and safety of health care. Texas Children's Advanced Quality Improvement course. July 20, 2012, Houston, TX.
44. **Bernstam EV.** Re-use of clinical data. Computational and Integrative Biomedical Research (CIBR) Center, Baylor College of Medicine, May 16, 2012, Houston, TX.
45. **Bernstam EV.** UT-Houston's CTSA Biomedical informatics program: Status and lessons learned. February 3, 2012, University of Texas Health Science Center at Houston, Institute for Molecular Medicine, Houston, TX.
46. **Bernstam EV.** E-Science: Introduction to e-Science seminar series. February 1, 2012, Rice University, Houston, TX.

47. **Bernstam EV.** CTSA Biomedical informatics program at UT-Health: Status and lessons learned. May 10, 2011, University of Kentucky, Lexington, KY.
48. Cimino J, Murphy SN, Ohno-Machado L, **Bernstam EV**, Bellazzi R, Tarczy-Hornoch P. ACMI Bridge Panel: Integrating Genomic and Clinical Data in Electronic Health Records and Biomedical Repositories: Challenges, Solutions and Opportunities. Panel presented at the AMIA Translational Bioinformatics and Clinical Research Informatics Summit 2011, March 9, 2011, San Francisco, CA.
49. **Bernstam EV**, Johnson TR, Strasberg HR, Hersh WR. Personalized medicine requires personalized decision support. Panel presented at the AMIA Clinical Research Informatics Summit 2011, March 9-11, 2011, San Francisco, CA.
50. **Bernstam EV.** The role of health informatics in improving the quality and safety of health care (Workshop). Kelsey-Seybold Research Foundation for Medical Research & Education Conference. December 9, 2010, Houston, TX.
51. **Bernstam EV.** Biomedical informatics in clinical and translational research. Asociación Colombiana de Hematología y Oncología (ACHO) National Meeting: Standards and trends in the treatment of cancer and hematologic disease. Armenia, Colombia, November 11-4, 2010.
52. **Bernstam EV.** CTSA Biomedical informatics program at UT-Health: Status and lessons learned. August 20, 2010, Dartmouth Medical Center, Hanover, NH.
53. **Bernstam EV.** The role of health informatics in improving the quality and safety of health care (Workshop). Kelsey-Seybold Research Foundation for Medical Research & Education Conference. December 2, 2009, Houston, TX.
54. **Bernstam EV.** UT-Houston's CTSA Biomedical Informatics Program: Status and Lessons Learned. Department of Medical Informatics and Clinical Epidemiology, Oregon Health and Science University. October 15, 2009, Portland, OR.
55. **Bernstam EV**, Johnson TR. Why Health IT doesn't work. Bridge (National Academy of Engineering), 39:4.
56. Payne PRO, Murphy S, Embi PJ, Weiner MG, **Bernstam EV.** Advancing Integration Between the Biomedical Informatics and Clinical and Translational Science Communities. Panel presented at the AMIA Fall Symposium 2009, November 14-8, 2009, San Francisco, CA.
57. **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.
58. **Bernstam EV.** Challenges in Integrating Clinical and Biological Data. AMIA Translational Biomedical Informatics Summit 2009, March 15-7, 2009, San Francisco, CA.
59. **Bernstam EV.** Finding cancer information online, what can we tell our patients? Cancer2008 (Colombian National Cancer Meeting) October 31 – November 2, 2008, Cali, Colombia.
60. **Bernstam EV.** Informatics within CTSA programs. July 11, 2008, The University of Texas Health Science Center at San Antonio, San Antonio, TX.

61. **Bernstam EV.** Information challenges to personalized medicine. Pathways to Personalized Medicine: Rate-limiting Factors in Delivering the Promise. June 14, 2008, Houston, TX.
62. **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.
63. **Bernstam EV,** Meric-Bernstam F, Johnson-Throop K, Turley JP, Smith JW. Panel: Translational Research Informatics. Medinfo 2007, August 20-4, 2007, Brisbane, Australia.
64. **Bernstam EV.** Biomedical informatics at the Center for Clinical and Translational Sciences. Duke Clinical Research Institute (DCRI), June 20, 2007, Durham, NC.
65. **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.
66. **Bernstam EV.** Consumer health information on the Internet: whose problem is it? W. M. Keck Center Symposium. January 13, 2006. Houston, TX.
67. **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.
68. **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.
69. **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 UTHSC-H faculty]
70. **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.
71. **Bernstam EV.** Consumer informatics research at the Texas Medical Center. IMIA Consumer Informatics Working Group invited presentation. September 8, 2004. San Francisco, CA.
72. **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
73. **Bernstam EV.** Medline QBE (Query-by-Example) Invited Research Seminar. Department of Biomedical Informatics, Vanderbilt University. April 28, 2004. Nashville, TN.
74. **Bernstam EV.** Consumer Informatics. Invited presentation. Cardeo Conference. February 13, 2004. Houston, TX.
75. **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.

76. **Bernstam EV.** Biomedical Informatics. May 14, 2003. SAP Labs North America, Palo Alto, CA.
77. Meric F, **Bernstam EV.** Breast cancer on the World Wide Web. *Breast Diseases, A Yearbook Quarterly* (2003), 14:1, pp. 20-3.
78. **Bernstam EV.** Chronic Cough in Immunocompetent Adults. *MD Vista Journal of Medicine*. <http://www.mdvista.com>, 2001.
79. 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. **Bernstam EV**, Guerrero GC, Ashraf F, Sridhar S, Edmonds C, Solis CF, Zhang J, McPherson DD. Lowering the regulatory barrier to clinical data reuse for research and quality improvement. Virtual poster 2020 Fall Virtual CTSA Program Meeting, November 17-20, 2020.
<https://clic-ctsa.org/posters/lowering-regulatory-barriers-clinical-data-reuse-research-and-quality-improvement>, accessed November 6, 2020.
2. Karp DD, Meric-Bernstam, F, **Bernstam EV**, Williams M, Merriman K, Zwelling R, Bronicki J, Janku F. The KISMET Project in precision oncology: Knowing Individual Significant Mutations Enabling Treatment. No patient left behind. Virtual poster 2020 Fall Virtual CTSA Program Meeting, November 17-20, 2020.
3. Iqbal R, **Bernstam EV**, Chen K. Breast cancer phenotyping with semantic knowledge graphs. Poster presented at the National Library of Medicine Annual Trainee Conference. Indianapolis, IN. June 24-5, 2019. [Won best poster award]
4. **Bernstam EV**. Healio: In the Journals Perspective. Comment on: EHR tools improve screening rates, but are not universally used. Available at:
<https://www.healio.com/family-medicine/practice-management/news/online/%7Bd552b2c8-2563-497a-83c4-2d41c42faa51%7D/ehr-tools-improve-screening-rates-but-not-universally-used#perspective>; Posted and accessed October 22, 2018.
5. Holla VR, Zeng J, Bailey AM, Johnson A, Sanchez NS, Khotskaya Y, Litzenberger B, Shufean A, Simpson AL, Kahle MP, Yang D, Routbort M, Rodon JA, Yap TA, **Bernstam EV**, Mills GB, Mendelsohn J, Shaw KR, Meric-Bernstam F. Precision oncology decision support core – a high quality, comprehensive clinical research support system. Poster Presented at the 2017 CPRIT meeting. Austin, TX. November 14, 2017.
6. Bettati FD, Tan Z, Choi YJ, Franklin A, Joffe E, **Bernstam EV**. An eye tracking system for monitoring expert reading clinical notes. Poster presented at the 2013 CPRIT Summer Undergraduate Program in Computational Cancer Biology Training Program Symposium, Houston TX, August 2, 2013.
7. Pettigrew EJ, Joffe E, Herskovic HR, **Bernstam EV**. Expert-guided natural language processing using one class support vector machines. Poster presented at the 2013 CPRIT Summer Undergraduate Program in Computational Cancer Biology Training Program Symposium, Houston TX, August 2, 2013.
8. Arora S, Plaisant C, Shneiderman B, Markowitz E, **Bernstam EV**, Herskovic J, Zhang J, Johnson TR, et al. Electronic Health Record Interfaces: Improving Medication Reconciliation. The Proceedings of the 28th Annual Human Computer Interaction Lab Symposium. The University of Maryland, Baltimore, MD, May 24th-27th, 2011.
9. Reeder P, Russell J, Phan J, Mark J, Weems WA, **Bernstam EV**. Federated access to i2b2 using Shibboleth authentication. Presented at the i2b2 Meeting, Boston, MA, June 28-30, 2011.
10. Reeder P, Weems WA, **Bernstam EV**. Electronic consent and consent management for research. Presented at the NCRR Clinical and Translational Science Award “All Hands” Meeting, Bethesda, MD, Oct 28-30, 2009.
11. Herskovic JR, **Bernstam EV**. Simplifying a tough job: indexing the biomedical literature automatically. UTH 13th Annual Research Day 2007, Houston, TX.

12. 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.
13. Herskovic JR, **Bernstam EV**. Applying Citation Analysis to PubMed for Improved Information Retrieval. UTH 11th Annual Research Day 2005, Houston, TX.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. Herskovic JR, **Bernstam EV**. Automated literature compilations via citation analysis. UTH 10th Annual Research Day November 2004, Houston, TX.
20. 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.
21. 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.
22. 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.
23. 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.
24. **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.
25. **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.

26. 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.
27. 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.