

CURRICULUM VITAE

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EDUCATION

Graduate:

Aug 2000 - Jun 2002 Master of Science (M.S.), Medical Informatics & Clinical Epidemiology
Oregon Health & Science University (OHSU), Portland, OR

Medical:

Aug 1993 - May 1997 Doctor of Medicine (M.D.)
University of South Florida (USF), Tampa, FL

Undergraduate:

Aug 1988 - May 1993 Bachelor of Science (B.S.), Microbiology & Cell Science
University of Florida, Gainesville, FL

POSTGRADUATE TRAINING

Fellowship:

Jul 2002 - Jun 2004 Fellow, Rheumatic and Immunologic Diseases
Cleveland Clinic Foundation, Cleveland, OH

Fellowship:

Jul 2000 - Jun 2002 Fellow, Medical Informatics & General Internal Medicine
Portland VAMC and Oregon Health & Science University, Portland, OR

Chief Residency:

Jul 2000 - Jun 2001 Chief Resident, Internal Medicine
Oregon Health & Science University, Portland, OR

Residency:

Jul 1997 - Jun 2000 Intern and Resident, Internal Medicine
Oregon Health & Science University, Portland, OR

APPOINTMENTS AND POSITIONS

CURRENT POSITIONS

July 2014 – Present Associate Dean for Research Informatics,
College of Medicine, The Ohio State University

Nov 2013 – Present Director, Division of Clinical and Translational Informatics,
Department of Biomedical Informatics, The Ohio State University

Oct 2010 – Present Associate Professor with Tenure, Departments of Biomedical Informatics and
Department of Internal Medicine, Division of Rheumatology & Immunology
College of Medicine, The Ohio State University

July 2012 – Present Associate Professor, Division of Health Services Management & Policy,
College of Public Health, The Ohio State University

Oct 2010 – Present Vice-Chair, Department of Biomedical Informatics
The Ohio State University Medical Center

Oct 2010 – Present Chief Research Information Officer
The Ohio State University Medical Center

Oct 2010 – Present Co-Director, Biomedical Informatics Program
Center for Clinical and Translational Science
The Ohio State University

PAST POSITIONS

Dec 2011 – Mar 2012 Interim Director, Division of Anatomy
The Ohio State University Medical Center

Sep 2009 – Sep 2010 Associate Professor of Clinical Medicine
Division of General Internal Medicine and
Division of Immunology, Allergy and Rheumatology
University of Cincinnati (UC) Department of Medicine

Jan 2008 – Sep 2010 Director of Biomedical Informatics
Cincinnati Center for Clinical and Translational Science and Training
University of Cincinnati/Cincinnati Children's Hospital Medical Center

Jul 2008 – Sep 2010 Adjunct Assistant Professor
Department of Biomedical Informatics
The Ohio State University, Columbus, OH

Oct 2006 – Sep 2010 Founding Director, Center for Health Informatics
UC Academic Health Center

Jul 2004 – Sep 2010 Affiliate Investigator and Staff Physician (Rheumatology)
Veterans Affairs (VA) Health Services Research & Development
Cincinnati VA Medical Center

Jul 2004 – Aug 2009 Assistant Professor of Clinical Medicine
Division of General Internal Medicine, and Division of Immunology, Allergy &
Rheumatology, UC Department of Medicine

Jan 2003 - Jun 2006 Adjunct Assistant Professor (Distance Learning Instructor)
Department of Medical Informatics and Clinical Epidemiology
Oregon Health & Science University, Portland, OR

MEDICAL LICENSURE

Ohio:	2002-Present	Medical License: 35-08-1340-E
Oregon:	1997-2002	Medical License: MD 22339

BOARD CERTIFICATION

American Board of Preventive Medicine (ABPM)
Diplomate in Clinical Informatics: January, 2014

American Board of Internal Medicine (ABIM); Number: 197286

Diplomate in Rheumatology: November, 2004
 Diplomate in Internal Medicine: August, 2000
 National Board of Medical Examiners (USMLE Steps I, II, III passed): 1998

HONORS and AWARDS

2013	Inducted into Phi Kappa Phi Honor Society
2012	Elected to Fellowship in the American College of Medical Informatics (FACMI)
2012	AMIA Clinical Research Informatics Distinguished Paper Award (Inaugural)
2011	American Medical Informatics Association (AMIA) Leadership Award
2011-Present	Best Doctors in America (annually thereafter)
2008	Association of Rheumatology Health Professionals (ARHP) President's Award
2008	Elected to Fellowship in the American College of Physicians (FACP)
2006	Health Care Heroes Award Nominee, Innovator Category, Cincinnati Business Courier
2005	Finalist, Diane Forsythe Award in Medical Informatics, AMIA
2000	OHSU Medical Housestaff Teaching Awards for Excellence in Clinical Instruction
1999	OHSU Medical Housestaff Teaching Awards for Excellence in Clinical Instruction
1999	Selected Chief Internal Medicine Resident for 2000-2001 Academic year
1997	American College of Physicians Award, USF Outstanding Student in Internal Medicine
1989-1993	Florida Academic Scholar, Awarded Full Scholarship to any Florida University

PROFESSIONAL SOCIETY MEMBERSHIP and SELECTED POSITIONS

2000-Present	American Medical Informatics Association (AMIA), Member Director, Board of Directors, Elected, Jan 2015-Dec 2017 Chair, Ethics Committee, 2014-Present Chair, Clinical Research Informatics Working Group, Jan 2009-Dec 2010 Scientific Program Chair, 1 st Annual CRI Summit, 2009-2010 Ethics Committee Member, 2006-Present Clinical Research Informatics Steering Task Force Member, 2007-2010 Chair-Elect, Clinical Research Informatics Working Group, 2008 Secretary, Clinical Research Informatics Working Group, 2006-2007
2012-Present	Fellow, American College of Medical Informatics
2003-Present	American College of Rheumatology (ACR), Fellow Member (FACR) Chair, Registry and Health IT Committee, 2011-2014 Director, Board of Directors (BOD), 2008-2011 Chair, EHR-Registry Sub-committee, Health IT Committee, 2010-2011 BOD Liason to Committee on Rheumatologic Care, 2009-2010 BOD Liason to Government Affairs Committee, 2008-2009 Member, Committee on Education, 2007-2008 Member, Annual Meeting Planning Committee, 2006-2008 Associate Editor, ARHP Post-Graduate Rheumatology Training Program, 2006-2008 Member, Professional Meetings Committee, 2005-2006
2009-Present	Informatics Key Function Committee (IKFC), CTSA Consortium IKFC Operations (Executive) Committee, Elected, 2011-2013 Education Affinity Group, Co-Chair, 2009-2012

- 1995-Present American College of Physicians (ACP), Fellow Member (FACP)
Member, Medical Informatics Committee, 2015-Present
Representative, Oregon ACP Chapter Council of Associates, 1997–2000
Oregon Chapter Web Site, Creator and Content Manger, 1997 – 2000
Associate Member, 1997 – 2001; Student Member, 1995 – 1997
- 1991-1997 American Medical Student Association (AMSA), Member
National Coordinator, Standing Committee on Medical Education, 1995 – 1997
Senior Coordinator, AMSA Steering Committee, 1996 – 1997
National Coordinator, Task Force on Premedical Education, 1993 – 1995
President, University of South Florida AMSA Chapter, 1994 – 1995
Delegate, AMSA House of Delegates, 1994 – 1997
Founder, USF Premed AMSA Chapter, 1995
Vice President, University of Florida Premedical AMSA Chapter, 1992 – 1993
- 1992-1993 University of Florida Microbiology & Cell Science Student Organization, President
- 1990-1993 University of Florida Cuban American Student Association, Founding Member

BIBLIOGRAPHY

PEER-REVIEWED PUBLICATIONS

1. **Embi PJ**, Payne PR. Advancing methodologies in Clinical Research Informatics (CRI): foundational work for a maturing field. *J Biomed Inform.* 2014 Dec;52:1-3.
2. Wyatt MC, Hendrickson RC, Ames M, Bondy J, Ranauro P, English TM, Bobitt K, Davidson A, Houston TK, **Embi PJ**, Berner ES. Federated Aggregate Cohort Estimator (FACE): an easy to deploy, vendor neutral, multi-institutional cohort query architecture. *J Biomed Inform.* 2014 Dec;52:65-71.
3. Wilcox, A, Randhawa, G, **Embi, P**, Cao H, Kuperman, G. Sustainability Considerations for Health Research and Analytic Data Infrastructures. *eGEMs (Generating Evidence & Methods to improve patient outcomes)*. 2014. Vol. 2: Iss. 2, Article 8.
4. Hebert C, Shivade C, Foraker R, Wasserman J, Roth C, Mekhjian H, Lemeshow S, **Embi P**. Diagnosis-specific readmission risk prediction using electronic health data: a retrospective cohort study. *BMC Med Inform Decis Mak.* 2014 Aug 4;14:65.
5. Roth C, Foraker RE, Payne PR, **Embi PJ**. Community-level determinants of obesity: harnessing the power of electronic health records for retrospective data analysis. *BMC Med Inform Decis Mak.* 2014 May 8;14(1):36.
6. Lopetegui M, Yen PY, Lai A, Jeffries J, **Embi P**, Payne P. Time motion studies in healthcare: What are we talking about? *J Biomed Inform.* 2014 Mar 7.
7. Hripcsak G, Bloomrosen M, Flatleybrennan P, Chute CG, Cimino J, Detmer DE, Edmunds M, **Embi PJ**, Goldstein MM, Hammond WE, Keenan GM, Labkoff S, Murphy S, Safran C, Speedie S, Strasberg H, Temple F, Wilcox AB. Health data use, stewardship, and governance: ongoing gaps and challenges: a report from AMIA's 2012 Health Policy Meeting. *J Am Med Inform Assoc.* 2014 Mar 1;21(2):204-11
8. Shivade C, Raghavan P, Fosler-Lussier E, **Embi PJ**, Elhadad N, Johnson SB, Lai AM. A review of approaches to identifying patient phenotype cohorts using electronic health records. *J Am Med Inform Assoc.* 2014 Mar 1;21(2):221-30
9. Sweet K, Gordon ES, Sturm AC, Schmidlen TJ, Manickam K, Toland AE, Keller MA, Stack CB, García-España JF, Bellafante M, Tayal N, **Embi P**, Binkley P, Hershberger RE, Sadee W, Christman M, Marsh

- C. Design and Implementation of a Randomized Controlled Trial of Genomic Counseling for Patients with Chronic Disease. *J Pers Med*. 2014 Jan 8;4(1):1-19. PMID: 24926413
10. Otsuka SH, Tayal NH, Porter K, **Embi PJ**, Beatty SJ. Improving herpes zoster vaccination rates through use of a clinical pharmacist and a personal health record. *Am J Med*. 2013 Sep;126(9):832.e1-6
 11. Wyatt MC, Hendrickson RC, Ames M, Bondy J, Ranauro P, English TM, Bobitt K, Davidson A, Houston TK, **Embi PJ**, Berner ES. Federated Aggregate Cohort Estimator (FACE): An easy to deploy, vendor neutral, multi-institutional cohort query architecture. *J Biomed Inform*. 2013 Dec 4
 12. Hersh WR, Cimino J, Payne PRO, **Embi P**, Logan J, et al. Recommendations for the Use of Operational Electronic Health Record Data in Comparative Effectiveness Research. *eGEMs (Generating Evidence & Methods to improve patient outcomes)* 2013; 1(1): Article 14.
 13. **Embi PJ**. Clinical research informatics: survey of recent advances and trends in a maturing field. *Yearbook of Medical Informatics*. 2013;8(1):178-84.
 14. **Embi PJ**, Payne PR. Evidence Generating Medicine: Redefining the Research-Practice Relationship to Complete the Evidence Cycle. *Medical Care*. 2013 Aug;51(8 Suppl 3):S87-91. PMID: 23793052.
 15. Hersh WR, Weiner MG, **Embi PJ**, Logan JR, Payne PR, Berntam EV, Lehmann HP, Hripcsak G, Hartzog TH, Cimino JJ, Saltz JH. Caveats For the Use of Operational Electronic Health Record Data in Comparative Effectiveness Research. *Medical Care*. 2013 Aug;51(8 suppl 3):S30-7. PMID: 23774517.
 16. Roth C, Shivade CP, Foraker RE, **Embi PJ**. Integrating Population-and Patient-Level Data for Secondary Use of Electronic Health Records to Study Overweight and Obesity. *Studies in Health Technology Informatics*. 2013;192:1100. PMID: 23920874.
 17. **Embi PJ**, Leonard A. Evaluating Alert Fatigue to EHR-based Clinical Trial Alerts: Findings from a Randomized Controlled Study. *Journal of the American Medical Informatics Association*. 2012 Apr 25. [Epub ahead of print]. PMC3392862.
 18. Murphy S, Dubey A, **Embi PJ**, Harris P, Richter B, Turisco FJ, Weber G, Tcheng J, Keogh D. Current State of Information Technologies for the Clinical Research Enterprise across Academic Medical Centers. *Clinical and Translational Science*. 23 Feb 2012 [Epub ahead of print] PMID22686207.
 19. Weir CR, Hammond KW, **Embi PJ**, Efthimiadis EN, Thielke SM, Hedeem AN. An Exploration of the Impact of Computerized Patient Documentation on Clinical Collaboration. *International Journal of Medical Informatics*. 2011 Aug;80(8):e62-71. 2011 Feb 5 [Epub ahead of print]. PMID21300565.
 20. Janies D, **Embi PJ**, Payne PR. Health-care hit or miss?: Collect genetic data on pathogens. *Nature*. 2011 Feb 17; 470:327-329.
 21. Hammond K, Efthimiadis EN, Laundry R, Thielke SM, Weir C, **Embi P**, Hedeem A. Preliminary Validation of a Method to Measure Information Value in Clinical Documentation. *Proceeding of the 44th Hawaii International Conference on Systems Sciences (HICSS-44)*. 2011 January; (44)1-7.
 22. Payne PR, **Embi PJ**, Niland, J. Foundational Biomedical Informatics Research in the Clinical and Translational Science Era: A Call to Action. *Journal of the American Medical Informatics Association*. 2010 Nov 1;17(6):615-6. PMC3000758.
 23. Hammond KW, Efthimiadis EN, Weir CR, **Embi PJ**, Thielke SM, Laundry RM, Hedeem A. Initial Steps toward Validating and Measuring the Quality of Computerized Clinical Documentation. *Proceedings of the AMIA Annual Symposium*, Nov 2010. PMC3041448.
 24. Payne PR, **Embi PJ**, Johnson SB, Mendonca E, Starren J. Improving Clinical Trial Participant Tracking Tools Using Knowledge-anchored Design Methodologies. *Applied Clinical Informatics*, 2010, 1(2); 177-196. PMC3225206.

25. Payne PR; Borlawsky, TB; Rice R; **Embi PJ**. Evaluating the Impact of Conceptual Knowledge Engineering on the Design and Usability of a Clinical and Translational Science Collaboration Portal. *Proceedings of the AMIA Summits on Translational Informatics*, Mar 2010; 41-45. PMC3041529.
26. Embi PJ, Tsevat J. Incentivizing Clinician Participation in Research Activities: The Relative Research Unit. *Academic Medicine*. Jan 2010, 87(1):11-14.
27. Yackel TR, **Embi PJ**. Unintended Errors with EHR-Based Result Management: A Case Series. *Journal of the American Medical Informatics Association*. 2010 17(1):104-107. PMC2995631.
28. **Embi PJ**, Kaufman SE, Payne PR. Biomedical Informatics and Outcomes Research: Enabling Knowledge-driven Healthcare. *Circulation* 2009;120;2393-2399. PMC2814875.
29. Payne PR, **Embi PJ**, Sen CK. Translational Informatics: Enabling High Throughput Research Paradigms. *Physiologic Genomics* 2009 Nov 6;39(3):131-40. PMC2789669.
30. **Embi PJ**, Payne PR. Clinical Research Informatics: Challenges, Opportunities and Definition for an Emerging Field. *Journal of the American Medical Informatics Association*. 2009 May-Jun;16(3):316-27. PMC2732242.
31. Mack EH, Wheeler DS, **Embi PJ**. Clinical Decision Support Systems in the Pediatric Intensive Care Unit. *Pediatric Critical Care Medicine*. 2009 Jan;10(1):23-8. PMID19057443.
32. **Embi PJ**, Jain A, Harris CM. Physicians' Perceptions Of An Electronic Health Record-Based Clinical Trial Alert Approach To Subject Recruitment: A Survey. *BMC Medical Informatics and Decision Making*. 2008, 8:13.
33. **Embi PJ**, Payne PR, Kaufman S, Logan J, Barr C. Identifying Challenges and Opportunities in Clinical Research Informatics: Analysis of a Facilitated Discussion at the 2006 AMIA Annual Symposium. *AMIA Annual Symposium Proceedings*. 2007 Oct 11:221-5.
34. Wess ML, **Embi PJ**, Besier J, Lowry C, Anderson P, Besier C, Thelen G, Hegner C. Effect of a Computerized Provider Order Entry (CPOE) System on Medication Orders at a Community Hospital and University Hospital. *AMIA Annual Symposium Proceedings*. 2007 Oct 11:796-800. PMC2655882.
35. Mazloomdoost D, Mehregan S, Mahmoudi H, Akbar S, **Embi PJ (senior author)**. Perceived Barriers to Information Access Among Medical Residents in Iran: Obstacles to Answering Clinical Queries in Settings with Limited Internet Accessibility. *AMIA Annual Symposium Proceedings*. 2007 Oct 11:523-7. PMC2655820.
36. Hurdle JF, Adams S, Brokel J, Chang B, **Embi P**, Petersen C, Terrazas E, Winkelstein P. A Code of Professional Ethical Conduct for the American Medical Informatics Association: An AMIA Board of Directors approved White Paper. *Journal of of the American Medical Informatics Association*. 2007;14:391-393. PMC2244909.
37. **Embi PJ**, Acharya P, McCuistion M, Kishman CP, Haag D, Marine S. Responding Rapidly to FDA Drug Withdrawals: Design and Application of a New Approach for a Consumer Health Website. *Journal of Medical Internet Research*, 2006; 8(3):e16: 1-6. PMC2018827.
38. **Embi PJ**, Jain A, Clark J, Bizjack S, Hornung R, Harris CM. Effect of a Clinical Trial Alert System on Physician Participation in Trial Recruitment. *Archives of Internal Medicine*, 2005 Oct 24; 165:2272-2277. PMC1343501.
39. **Embi PJ**, Jain A, Clark J, Harris CM. Development of an Electronic Health Record-based Clinical Trial Alert System to Enhance Recruitment at the Point of Care. *AMIA Annual Symposium Proceedings*. 2005:231-235. PMC1560758.
40. Lieberman MI, **Embi PJ**, Ricciardi TN, Tabb K. Accelerating Biopharmaceutical Development in the Decade of Health Information Technology: Applications of Electronic Health Records for Outcomes

Research and Clinical Trials Recruitment. *Biotechnology Healthcare*, 2005 August; 2(4):52-57. PMC3564336.

41. **Embi PJ**, Yackel TY, Logan J, Bowen JL, Cooney TG, Gorman PN. Impacts of Computerized Physician Documentation in a Teaching Hospital: Perceptions of Faculty and Resident Physicians. *Journal of the American Medical Informatics Association*. 2004 Jul-Aug; 11(4):300-309. PMC436079.
42. Russman AN, Lederman RJ, Calabrese LH, **Embi PJ**, Forghani B, Gilden DH. Multifocal Varicella Zoster Virus Vasculopathy without Rash. *Archives of Neurology*, 2003 Nov; 60(11):1607-9. PMID: 14623735.
43. **Embi PJ**, Desai S, Cooney TG. The Use and Utility of Web-Based Residency Program Information: A Survey of Residency Applicants. *Journal of Medical Internet Research*; 2003 5(3):e22:1-7. PMC1550569.
44. Price SL, Hersh WR, Olson DD, **Embi PJ**. SmartQuery: Context-Sensitive Links to Medical Knowledge Sources from the Electronic Patient Record. *AMIA Annual Symposium Proceedings*. 2002:627-631. PMC2244501.
45. **Embi PJ**. Information at Hand: Using Handheld Computers in Medicine. *Cleveland Clinic Journal of Medicine*, 2001; 68(100):840-49. PMID11596622.
46. **Embi PJ**, Bowen J, Singer E. Implementing a Web-Based Curriculum to Improve Resident Education in Outpatient Medicine. *Academic Medicine*, 2001 May; 76(5):545.
47. Catalano G, Catalano MC, Rosenberg EI, **Embi PJ**, Embi CS. Catatonia: Another Neuropsychiatric Presentation of Vitamin B12 Deficiency? *Psychosomatics*. 1998 Sep-Oct; 39(5):456-60. PMID9775705.

EDITORIALS, COMMENTS, AND LETTERS

48. Payne, PRO; **Embi PJ**; Kahn, MG. *Selected Papers from the 2011 Summit on Clinical Research Informatics*. *Journal of Biomedical Informatics*. 2011. 44, S54-S55.
49. Weiner MG; **Embi PJ**. *Toward Reuse of Clinical Data for Research and Quality Improvement: The End of the Beginning?* *Annals of Internal Medicine*. 2009 Sep 1;151(5):359-60. Epub 2009 Jul 28.
50. Yackel TY, **Embi PJ**. *Copy-and-Paste-and-Paste*. *JAMA*, 2006 Nov 15; 296(19):2315.
51. **Embi PJ**. *Increasing Physician Participation in Clinical Trial Recruitment*. *Physicians Weekly*, 2006 January; 23(3)

PUBLISHED REFEREED ABSTRACTS

52. Admission data predict risk as well as discharge data in patients with pneumonia: A readmission risk-model evaluation. Hebert CL, **Embi PJ**. *AMIA Annual Symposium Proceedings*, November 2014, Washington DC.
53. Challenges Faced When Designing and Conducting Time Motion Studies in Health Care Environments. Lara BA, Alexa M, Ardoin S, **Embi PJ**, Yen P. *AMIA Annual Symposium Proceedings*, November 2014, Washington DC.
54. Identifying Clinical Decision Support Failures using Change-Point Detection. Wright A, Maloney FL, Ramoni R, Hauskrecht, M, **Embi PJ**, Neri P, Sittig DF, Bates DW. *AMIA Annual Symposium Proceedings*, November 2014, Washington DC.
55. American College Of Rheumatology's "Rheumatology Informatics System For Effectiveness" (RISE) Registry Pilot. **Embi, PJ**, Stephens, W, Myslinski, R. *Arthritis & Rheumatism*, Volume 65, October 2013 Abstract Supplement

56. Transforming Research Program Management: From a Ticketing System to a Computerized Research Record (CoRR). **Embi PJ**, Lopetegui M, Borlawsky TB, Lamantia F, Rice, R. *AMIA Jt Summits on Transl Sci Proc*, Mar 2014.
57. Impact of Electronic Health Record Alerts on Recruitment for Clinical Trials: A Study of Patients' Perceptions. Patterson ES, Roth C, Elder E, Cotton S, **Embi PJ**. *AMIA Jt Summits on Transl Sci Proc*, Mar 2014.
58. Analyzing Problem List Data for Real-time Re-Use. Hebert C, Shivanade C, Payne P, **Embi P**. *AMIA Jt Summits on Transl Sci Proc*, Mar 2014.
59. The Computerized Research Record (CoRR): A Web-based Research Record System for Managing Research Support Requests Based on an EHR Metaphor. **Embi PJ**; Lopetegui MA; Lamantia F; Borlawsky T; Hamon D; Nielsen T; Rice R. *AMIA Annual Symposium Proceedings*, November 18, 2013. (Poster Abstract)
60. Inter-Observer Reliability Assessments in Time Motion Studies: The Foundation for Meaningful Clinical Workflow Analysis. Lopetegui MA; Bai S; Yen P; Lai AM; **Embi PJ**; Payne P. *AMIA Annual Symposium Proceedings*, November 20, 2013. (Podium Abstract)
61. Evaluating Multiple Methods for Predictive Modeling of 30-Day Hospital Readmissions: Lessons for Secondary Use of Clinical Data. Shivade C; Hebert C; Roth C; Foraker R; Payne P; **Embi P**. *AMIA Jt Summits Transl Sci Proc*. 2013 Mar 21, 2013. (Poster Abstract)
62. A Model for Secure Multi-Institutional Cohort Query. Wyatt M; Berner E; Hendrickson R; Davidson A; Bondy J; Ames A; **Embi P**; Ervin D; Houston T; Zottola R; English T; Wang S; Thota N; Ranauro P. *AMIA Jt Summits Transl Sci Proc*. 2013 Mar 20, 2013. (Poster Abstract)
63. Augmenting EHR-Derived Clinical Data with Geographic-Level Public Information to Develop Research Hypotheses for Population Obesity Rates. Roth C, Khan YM, Foraker RE, **Embi PJ**. *AMIA Jt Summits Transl Sci Proc*. 2013 Mar 18;2013:226. eCollection 2013. (Podium Abstract)
64. EHR-based Clinical Trial Alert Effects on Recruitment to a Neurology Trial across Institutions: Interim Analysis of a Randomized Controlled Study. Khan Y, Roth C, Payne P, Patterson E, Leonard A, Elder N, Eckman M, **Embi PJ**. *AMIA Jt Summits Transl Sci Proc*. 2013 Mar 18;2013:117. (Podium Abstract)
65. Development of an Informatics-Based Predictive Model for 30-Day Readmission Customized for a Single Hospital System. Hebert C; Wasserman J; Foraker R; Lemeshow S; Mekhjian H; Payne P; Embi PJ. *AMIA 2012 Annual Symposium Proceedings*, November 2012. (Podium Abstract)
66. Kissella BM, Rademacher E, Alwell K, Moomaw C, Lindsell C, **Embi PJ**, Woo D, Flaherty M, Khatri P, Adeoye O, Khoury J, Ferioli S, Kleindorfer D. A Pilot Population-Based Outcomes Study using a Health Information Exchange: Preliminary Feasibility Results. *Stroke* (proceedings of the International Stroke Conference). Feb, 2012. (Podium Presentation.)
67. Payne P, **Embi PJ**, Borlawsky T, Frost J, Teater P. Translating Informatics Innovations: From Prototype to Production . *Proceedings of the AMIA Annual Symposium*, October 2011.
68. **Embi PJ**, Kissella B, et al. Leveraging a Regional Health Information Exchange (HIE) to Accelerate a Population-Based Epidemiology Study. *Proceedings of the AMIA Annual Symposium*, October 2011. (Poster Presentation)
69. **Embi PJ**, Leonard A. Physician Response Patterns to EHR-based, Clinical Trial Alerts: Findings from a Randomized Controlled Study. *Proceedings of the AMIA Joint Summits in Translational Science*, March 2011. (Podium Presentation)
70. Kissella BM, **Embi PJ**, Alwell K, et al. Use of a Regional Health Information Exchange (HIE) to Facilitate Outcomes Epidemiology. *Stroke* (proceedings of the International Stroke Conference). 42 (3): E278-E278. Mar 2011. (Podium Presentation)

71. **Embi PJ**, Elder NC, Cotton S, Patterson E, Weber D. Patient Perceptions Following Exposure to EHR-based Clinical Trial Alerts. *Proceedings of the AMIA Annual Symposium*, Nov 2010. (Poster Presentation)
72. **Embi PJ**, Eckman M, Payne PR, Leonard A, Elder N, Cotton S, Patterson E, Wise R. EHR-Based Clinical Trial Alert Effects on Recruitment to a Neurology Trial Across Settings: Interim Analysis of a Randomized Controlled Study. *Proceedings of the AMIA Summits on Translational Informatics*, March, 2010.
73. Embi PJ, Lindsell C, Witzke R, Morrow A, Kues J, Tsevat J, Heubi J. Design and Early Experience with a Web-based Research Record System (RRS) Based on an EMR Metaphor for Managing Research Support Requests. *Proceedings of the AMIA Summits on Translational Informatics*, March, 2010.
74. Wess ML, Hegner C, Anderson P, Thelen G, **Embi PJ**, Besier JL, Besier JC. Effect of a Computerized Provider Order Entry (CPOE) System on Provider and Nurse Satisfaction at a Community Hospital and University Hospital. *AMIA Annual Symposium Proceedings*. 2007:1152.
75. **Embi PJ**, Biddinger PW, Goldenhar LM, Schick LC, Kaya B, Held JD. Preferences Regarding the Computerized Delivery of Lecture Content: A Survey of Medical Students. *AMIA Annual Symposium Proceedings*. 2006:916.
76. Mazloomdoost D, **Embi PJ**. Impacts of PDA-based Access to Clinical Data in a Teaching Hospital: Perceptions of Housestaff Physicians. *AMIA Annual Symposium Proceedings*. 2006:1025.
77. **Embi PJ**, Lieberman MI, Ricciardi T. Early Development of a Clinical Trial Alert System in an EHR Used in Small Practices: Toward Generalizability. *AMIA Spring Congress Proceedings*. 2006;:4.
78. Acharya P, **Embi PJ**, Marine S, McCuiston M, Kishman C, Haag D. Responding Rapidly to FDA Drug Recalls: Design and Application of a New Approach for a Consumer Health Website. *AMIA Spring Congress Proceedings*. 2006;:58.
79. **Embi PJ**, Schauble JE, Corbo A, Young K, Becker EO, Booros J, Dion J, Kullman JA, Cuthbertson D, Krischer JP, Merkel PA for the Vasculitis Clinical Research Consortium. Development and Early Success of an Internet-Based Contact Registry for Patients with Vasculitis: The Important Role of Patient Support Groups. *Arthritis & Rheumatism* 2005 Sept;52(Suppl):225.
80. **Embi PJ**, Jain A, Harris CM. Physician Perceptions of an Electronic Health Record-based Clinical Trial Alert System: A Survey of Study Participants. *AMIA Annual Symposium Proceedings*. 2005:949.
81. Marine S, **Embi PJ**, McCuiston M, Haag D, Guard JR. NetWellness 1995 - 2005: Ten Years of Experience and Growth as a Non-Profit Consumer Health Information and Ask-an-Expert Service. *AMIA Annual Symposium Proceedings*. 2005:1043.
82. **Embi PJ**, Jain A, Clark J, Lockshaw J, Bizjack S, Harris CM. Effect of a Clinical Trial Alert System on Internist Participation in Trial Recruitment. *Journal of General Internal Medicine* 2005;20(Suppl.1):96.
83. **Embi PJ**, Mandell BF, Calabrese LH. Rheumatologists Knowledge and Practice Patterns Regarding Treatment of Rheumatoid Arthritis Patients Infected with Hepatitis C Virus. *Arthritis & Rheumatism* 2004 Sept;50(9)Suppl:S441.

BOOKS, BOOK CHAPTERS, and THESES

84. Payne PR, **Embi PJ**, Editors. *Translational Informatics: Realizing the Promise of Knowledge-Driven Healthcare*. Springer; 2015.
85. Payne PR, **Embi PJ**. Chapter: *An Introduction to Translational Informatics and The Future of Knowledge-Driven Healthcare*.
86. Payne PR, **Embi PJ**. Chapter: *Driving Clinical and Translational Research using Biomedical Informatics*.

87. **Embi PJ**, Payne PR. Chapter: *Future Directions for Translational Informatics*.
88. Payne PR, **Embi PJ** and Cimino JJ. *Clinical Research Informatics* in Biomedical Informatics: Computer Applications in Health Care and Biomedicine (Shortliffe EH and Cimino JJ, Editors). Springer-Verlag.
89. **Embi PJ**, Payne PR. *Clinical and Translational Research Informatics Education and Training*. In: Berner ES, Editor. Informatics Education in Healthcare. Springer; 2014. p. 167-178.
90. **Embi PJ**. *Future Challenges and Opportunities in Research Informatics*. In: Richesson RL, Andrews J, Editors. Clinical Research Informatics. Springer; 2012 edition. p. 409-417.
91. Weng C, **Embi PJ** (senior author). *Informatics Approaches to Participant Recruitment*. In: Richesson RL, Andrews J, Editors. Clinical Research Informatics. Springer; 2012 edition. p. 81-94.
92. **Embi, PJ**, Jung YH, Schneider D, Sofsky J, Sundre M, Yackel T. *Strategic Informatics: Planning for the Future of Atlantic Health*. In: Lorenzi NM, Ash JS, Einbinder J, McPhee W, Einbinder, L, Editors. Transforming Health Care Through Information. Springer; 2005 edition. p. 191–196.
93. **Embi PJ**, Hoffman GS. *Polymyalgia Rheumatica and Giant Cell Arteritis*. In: Rakel, Conn HF, Bope ET. Conn's Current Therapy 2005. Elsevier Health Sciences; 2005 p 1536.
94. **Embi PJ**, Hoffman GS. *Polymyalgia Rheumatica and Giant Cell Arteritis* [internet]. CCF Disease Management Project; 2004. Available from: www.clevelandclinicmeded.com/diseasemanagement.
95. **Embi PJ**. *Perceived Impact of Computerized Physician Documentation on Education and Clinical Practice in a Teaching Hospital* [Thesis]. Oregon Health & Science University; 2002.
96. **Embi PJ**, chief editor. *Survival Manual: A Guide to the Clinical Years*. 2nd ed. Reston Virginia: American Medical Student Association; 1997.

FUNDING SUPPORT

ACTIVE SUPPORT

1. NIH/NLM: 1R01LM011966; PI: Wright, A. **Improving Clinical Decision Support Reliability Using Anomaly Detection Methods**; Awarded: Sep 2014-Sep 2018; Total Costs: \$691,638
Role: Co-PI and Site-PI
2. NIH/NCRR: UL1TR001070; PI: Jackson R; **The Ohio State University Center for Clinical and Translational Science (CTSA)**;
Awarded: Sep 2013 – Apr 2014
Role: Co-I, Co-Director of Biomedical Informatics
3. P60AR064172-01; Bridges (PI); **Multidisciplinary Clinical Research Center** (Based at UAB); Sub-Project: 5135 **Facilitating Treat-to-Target Using Novel Health Technology with Decision Support**
Awarded: 09/16/2013-07/31/2018
Role: Co-I and Site PI
4. NIH/NLM: T15LM011270; **The OSU Clinical and Translational Research Informatics Training Program (CTRIP)**
Total costs: \$1,333,332
Awarded: July 1, 2012-June 30, 2017
Role: Co-PI
5. NIH/NLM: R01LM011116; PI: Lai, A; **An Information Fusion Approach to Longitudinal Health Records**; Total Costs: \$980,000

Awarded: September 1, 2012 – August 31, 2016
Role: Co-I

6. Subcontract University of Maryland: SR00002331/ U01 HL105198; **Translational Pharmacogenetics Project** (Supplement to Pharmacogenomics Research Network); Total Costs: \$240,000
Awarded: August 30, 2011 – June 30, 2015
Role: Co-I, Site PI

COMPLETED SUPPORT

7. NIH/NINDS: R01 NS30678; PIs: Kissela B and Kleindorfer D; **Comparison of Hemorrhagic and Ischemic Stroke Among Blacks and Whites** (Renewal);
Total Direct Costs Requested: \$4,505,418/5yrs
Status: Awarded, July 1 2009-June 30, 2014
Past Role: Co-Investigator, 7.5% (Informatics lead for Aim leveraging Regional Health Information Exchange to enhance quality/efficiency of stroke epidemiology study); Jul 2009-Sep 2010.
Current Role: Consultant
8. NIH/NCRR: 3UL1TR000090; PI: Jackson R; **The Ohio State University Center for Clinical and Translational Science (CTSA)**
Awarded: May 2008 – Sep 2013
Role: Co-Investigator, Co-Director of Biomedical Informatics – 20%
9. NIH/NCRR: **The CTSA Federated Aggregate Cohort Estimator (FACE)**
CTSA Supplement Total Costs: Approx \$250,000; OSU Subcontract: \$25,000
Announced: August 2011
Role: Site PI
10. NIH/NLM: 1R01LM009533-01A1; PI: Embi P.; **Evaluating EHR-based, Point-of-Care Trial Recruitment Across Clinical Settings**; Total Direct Costs: \$263,032
Awarded, September 30, 2008 – December 31, 2013
Role: PI – 35%
11. Office of the National Coordinator for Health IT (ONC): Beacon Initiative. **The Greater Cincinnati Beacon Community Initiative**. Total Costs: \$15 Million over 3 years.
Awarded: September 2010 - September 2013
Role: Co-Investigator, Site PI, U of Cincinnati component (\$800K3 yrs); (September 2010).
12. American College of Rheumatology (ACR): Rheumatology Informatics System for Effectiveness (RISE) project; Total Costs: \$563,000
Awarded May 1, 2011 – December 31, 2012
Role: PI – 10%
13. NIH/NLM: **Administrative Supplement to R01-LM009533; Evaluating EHR-based, Point-of-Care Trial Recruitment Across Clinical Settings**; (aim: to expand study of patient, physician perceptions)
Total Costs Requested: \$137,891
Status: Awarded, September 30, 2009 – September 29, 2012
Role: PI
14. OSU Medical Center: **Predicting and Avoiding Preventable Readmissions**
Total Costs: \$250,000
Awarded August 2011 – April 2012
Role: PI – 5%

15. NIH/NCRR: Administrative Supplement to CTSA 1UL1RR026314-01; **Accelerating and Expanding Research Informatics Education and Workforce Development**
Submitted: May 18, 2009; Total Costs Requested: \$599,891
Awarded: September 1, 2009 – August 30, 2011
Role: Project PI (5% effort beyond 40% allocation to parent CTSA grant); (Sep 2009 – Sep 2010)
16. NIH/NCRR: 1UL1RR026314-01; PIs: Heubi J and Tsevat J; **Cincinnati Center for Clinical and Translational Science and Training (CTSA)**;
Submitted: June, 2008; Total Direct Costs Requested: \$17,111,708/5yrs;
Awarded, April 2009 – March 2014
Role: Co-Investigator and Director of Biomedical Informatics – 40% (April 2009 – September 2010)
17. NIH/NIEHS: P30ES00609616; PI: Ho, S.; **Center for Environmental Genetics (Renewal)**;
Role: Co-Investigator – 10%; Co-Director, Integrative Health Sciences Core (core sub-budget direct costs: \$552,626/5yrs) Total Direct Costs: \$5,000,000/5yrs
Awarded, April 2008 – April 2013
My involvement: April 2008 – September 2010
18. NIH/NCRR: K30 RR022273; PI: Tsevat, J; **University of Cincinnati Clinical Curriculum Award**;
Aug 2005 – Jul 2010; Total Direct Costs: \$1,000,000/5yrs
Role: Co-Investigator – 7% yr 2, 3.5% yrs 3-5 (co-director, medical informatics courses)
19. VA: IIR 05-019; PI: Hammond, K; **Assessing Information Value in Computerized Patient Care Documentation Systems**;
Jul 2007 – Dec 2009; Total Direct Costs: \$481,387/2.5yrs
Role: Co-Investigator – 7.5%
20. UC Center for Medical Computation: PI: Embi PJ; **Development of standardized, machine-actionable clinical research eligibility criteria knowledge-base to enable EHR-facilitated subject recruitment across a region**
Jan 2008 – Jun 2009; Total Direct costs: \$50,000
Role: PI (supported by the State of Ohio Third Frontier Program)
21. NIH/NLM: K22 LM008534; PI: Embi, P.; Career Development Award; **Electronic Health Record-based Clinical Trial Subject Identification and Referral During Busy Outpatient Practice: Evaluation of a Novel Clinical Trial Alert System**; Sep 2004 – Sep 2007; Total Direct Costs: \$375,000
Role: PI; Effort: 75%
22. NIH/NCRR: P20 RR023486; PI: Tsevat, J.; **Institutional Clinical and Translational Science Award Planning Grant**; Sep 2006 – Sep 2007; Total Direct Costs: \$175,000
Role: Co-Investigator; Effort: 5%
23. NIH: L30; PI: Embi, P; **Clinical Research Loan Repayment Award** (For ≥50% effort engaged in Medical Informatics Research); (initial) Jun 2003 – Jun 2005; (renewal) Sep 2005 – Jun 2007
24. VAMC Medical Informatics Fellowship; Stipend, support for MS degree and for research project: **Impacts of Computerized Physician Documentation in a Teaching Hospital: Perceptions of Faculty and Resident Physicians**; Jul 2000 – Jun 2002

PRESENTATIONS

INTERNATIONAL/NATIONAL - PRESENTATIONS, LECTURES, TUTORIALS

1. Invited Plenary: Evidence Generating Medicine: Integrating Research and Practice with Informatics to Enable a Learning Health System
June 4, 2015, AAMC Information Technology in Academic Medicine Conference, San Diego, CA
2. Invited Keynote: Clinical Research Informatics Year-In-Review
March 27, 2015, AMIA Summit in Clinical Research Informatics, San Francisco, CA
3. Invited Speaker: "Meet the Expert" session, American College of Medical Informatics
November 17, 2014, AMIA 2014 Annual Symposium, Washington, DC
4. Invited Grand Rounds: Evidence Generating Medicine: Integrating Research and Practice with Informatics to Enable and Learning Health System
April 14, 2014, The Cleveland Clinic, Center for Neurosciences, Cleveland, OH
5. Invited Keynote: *Clinical Research Informatics Year-In-Review*
April 11, 2014, AMIA Summit in Clinical Research Informatics, San Francisco, CA
6. Invited Speaker: Facilitating Research via Health IT Processes and Governance
March 17, 2014, Epic Research Advisory Council, Verona, WI
7. Panel: Evidence Generation to Address Operational Priorities (Presenter and Moderator)
February 1, 2014, AMIA iHealth Symposium, Orlando, FL
8. Invited Speaker: Enabling Evidence Generating Medicine to Accelerate Research and Improve Care
December 2, 2013, NCI Director's Consumer Liaison Group, Bethesda, MD
9. Panel: Research Informatics: Re-Engineering the Research Enterprise
Weiner M; Payne P; Embi PJ; Murphy SN
November 20, 2013, AMIA Annual Symposium, Washington DC
10. Panel: Informatics Challenges and the Future of Electronic Clinical Documentation
Vawdrey D; Rosenbloom ST; Stetson PD, Payne TH, Embi PJ
November 18, 2013, AMIA Annual Symposium, Washington DC
11. Invited Speaker: Epic Research Data Network Initiative: Report from the Chair
September 2013, Epic User Group Meeting, Verona, WI
12. Invited Speaker: Experiences, Lessons Learned, and Considerations for Enterprise-wide use of EHR-based Clinical Trial Alerts
April 23, 2013, Epic Research Advisory Council, Verona, WI
13. Panel: Integrating Governance of Research Informatics and Health Care IT Across an Enterprise: Experiences from the Trenches. Embi PJ (organizer), Tachinardi U, Lussier Y, Starren J, Silverstein J.
March 18, 2013, AMIA Joint Summits on Translational Science, San Francisco, CA
14. Tutorial: Research Informatics: From Lab to Laptop. Payne, P; Embi PJ
March 18, 2013, AMIA Joint Summits on Translational Science, San Francisco, CA
15. Invited Keynote: *Clinical Research Informatics Year-In-Review*
March 22, 2013, AMIA Summit in Clinical Research Informatics, San Francisco, CA
16. Invited Presentation and Discussion Leader: *Organizational Leadership in CRI, CRIO Role and Definition*. March 22, 2013, AMIA Summit in Clinical Research Informatics, San Francisco, CA
17. Panel: Computerized Provider Documentation: Impact and Implications for Healthcare Practice, Quality, and Research in the Meaningful Use Era. Embi P (Organizer); Weir C; Hammond K; Rosenboom ST. November 2012. AMIA Annual Symposium, Chicago, IL.
18. Invited Keynote: Leveraging EHRs to Improve Recruitment for Clinical Trials at the Point-of-Care: Successes, challenges, and future directions. German Medical Informatics Association/GMDS – Informatik 2012, Braunschweig, Germany. September 17, 2012

19. Invited Keynote: *Leveraging EHRs to Advance Research and Improve Healthcare: Challenges and Opportunities*. University of Cincinnati EHR Symposium, August 2, 2012
20. Invited Speaker: *Leveraging Informatics and Health IT to Create a Learning Health System*
July 26, 2012, University of Nebraska Medical Center, Omaha, NE
21. Invited Speaker: *Realizing EHR-Enabled Evidence Generating Medicine*
April 24, 2012, Epic Research Advisory Council, Verona, WI
22. Panelist: *Improving Participant Recruitment via EHR-based, Point-of-Care Approaches*
April 25, 2012, Epic Research Advisory Council, Verona, WI
23. Invited Panelist: *New Governance Models for Research IT in Academic Health Centers*
Blumenthal D, Dvorak C, Embi PJ, Athey B, Califf R
April 18, 2012, Clinical Research Forum Annual Meeting, Washington DC
24. Invited Speaker: *Accelerating Trial Recruitment via EHR-based, Point-of-Care Approaches*
April 17, 2012, Clinical Research Forum IT Roundtable, Washington DC
25. Invited Speaker: *Chief Research Information Officer: A new Leadership Role for Academic Centers*
April 17, 2012, Clinical Research Forum IT Roundtable, Washington DC
26. Invited Keynote: *Clinical Research Informatics Year-In-Review*
March 23, 2012, AMIA Summit in Clinical Research Informatics, San Francisco, CA
27. Invited Workshop: *Designing Websites for Medical Practices*
American College of Rheumatology/ARHP Annual Scientific Meeting, Atlanta, GA
November 6, 2011
28. Invited Tutorial: *Clinical Research Informatics: Theory, Methods, and Best Practices*
Embi PJ, Payne PR
October 22, 2011, AMIA Annual Symposium, Washington, DC
29. Invited Panelist: *Creating Sustainable Clinical Research IT Support Modules: Unmet challenges in Clinical Research Informatics*
Embi PJ, Murphy S, Woody S, Richter B
April 26, 2011, Clinical Research Forum IT Roundtable, Washington DC
30. Invited Keynote: *Clinical Research Informatics Year-In-Review*
March 11, 2011, AMIA Summit in Clinical Research Informatics, San Francisco, CA
31. Panel Presentation: *Evidence Generating Medicine*
Embi PJ (organizer), Payne P, Weiner M, Hersh B
March 11, 2011, AMIA Summit in Clinical Research Informatics, San Francisco, CA
32. Scientific Podium Presentation: *Physician Response Patterns to EHR-based, Clinical Trial Alerts: Findings from a Randomized Controlled Study*
Embi PJ, Leonard A
March 10, 2011, AMIA Summit in Clinical Research Informatics, San Francisco, CA
33. Panel presentation: *Perspectives on Research Informatics Education*
Berner E, **Embi PJ** (co-organizer), Boyd A, Mostafa J, Hersh B
March 10, 2011, AMIA Summit in Clinical Research Informatics, San Francisco, CA
34. Invited Tutorial: *Clinical Research Informatics: Theory, Methods, and Best Practices*
Embi PJ, Payne PR
November 13 2010, AMIA Annual Symposium, Washington, DC
35. Workshop: *Should AMIA's Code of Ethics Be Enforced?*
Hsuing R, **Embi PJ**, Weinstein P
November 13, 2010, AMIA Annual Symposium, Washington, DC

36. Invited Workshop: *Designing Websites for Medical Practices*
American College of Rheumatology/ARHP Annual Scientific Meeting, Atlanta, GA
November 8, 2010
37. Invited Presentation: *A New Approach to Research Support Tracking: The Research Record System*
June 22, 2010, Third Annual Clinical Research Management Workshop, Bethesda, MD
38. Invited Lecture: *The Emerging Role of Electronic Health Records in the Care of Patients with Rheumatoid Arthritis*
Posted online on April 14, 2010, Cleveland Clinic Virtual Grand Rounds Series, Cleveland, OH
39. Scientific Podium Presentation: *EHR-Based Clinical Trial Alert Effects on Recruitment to a Neurology Trial Across Settings: Interim Analysis of a Randomized Controlled Study*
March 13, 2010, AMIA Summit on Clinical Research Informatics, San Francisco, CA
40. Podium presentation: *Design and Early Experience with a Web-based Research Record System (RRS) Based on an EMR Metaphor for Managing Research Support Requests*
March 13, 2010, AMIA Summit on Clinical Research Informatics, San Francisco, CA
41. Scientific Panel: *Informatics Education for Clinical and Translational Researchers from the CTSA*
Participants: Hersh W, **Embi PJ**, Friedman R, Berner, E
March 12, 2010, AMIA Summit on Clinical Research Informatics, San Francisco, CA
42. Invited Lecture: *Accelerating Clinical and Translational Science with Informatics-Enabled Evidence-Generating Medicine*
Ohio State University Comprehensive Cancer Center/CCTS Guest Lecture, Columbus, OH
February 25, 2010
43. Invited Lecture: *Accelerating Clinical and Translational Science with Informatics-Enabled Evidence-Generating Medicine*
University of Florida CTSI Lecture Series, Gainesville, FL
December 4, 2009
44. Scientific Panel: *Advancing Integration Between the Biomedical Informatics and Clinical and Translational Science Communities*
PR Payne; S Murphy; **PJ Embi**; MG Weiner; E. Bernstam
November 16 2009, AMIA Annual Symposium, San Francisco, CA
45. Invited Tutorial: *Clinical Research Informatics: Theory, Methods, and Best Practices*
Embi PJ, Payne PR
November 14 2009, AMIA Annual Symposium, San Francisco, CA
46. Scientific Presentation: *The Status of Research Informatics Education Across CTSA Sites: Survey Results*
Embi PJ, Berner E
CTSA Information Key Function Committee All-Hands Meeting, October 29, 2009
47. Invited Workshop: *Designing Websites for Medical Practices*
American College of Rheumatology/ARHP Annual Scientific Meeting, Philadelphia, PA
October 18, 2009
48. Invited Lecture: *Enabling Evidence Generating Medicine through Informatics to Advance Translational Research*
Department of Medical Informatics and Outcomes Research Grand Rounds, OHSU, Portland, OR
June 26, 2009
49. Scientific Panel: *Clinical Research Informatics Task Force: Creating a Professional Home for CRI*
Panelists: Payne PR, Starren J, **Embi PJ**, DiLaura R, Lin M

AMIA Spring Congress, Orlando, FL
May 30, 2009

50. Invited Tutorial: *Clinical Research Informatics: Theory, Methods, and Best Practices*
Embi PJ, Payne PR
AMIA 2009 Spring Congress, Orlando, FL
May 27, 2009
51. Invited Lecture: *Improving Research Recruitment with Informatics: Successes, Challenges and Future Directions*
Clinical and Translational Science Seminar, Esteemed Lecturer, The Ohio State University
February 2, 2009
52. Invited Workshop: *Designing Websites for Medical Practices*
American College of Rheumatology/ARHP Annual Scientific Meeting, San Francisco, CA
October 26, 2008
53. Scientific Panel: *A 360 Degree View of Translational Medicine*
Panelists: Strier K, Payne PR, **Embi PJ**, Anson JF, Hersh W
AMIA Annual Symposium, Washington DC
November 2008
54. Scientific Panel: *Clinical Research Informatics: Sharing Best Practices and Experience*
Panelists: **Embi PJ**, Hunscher D, Bonham E
AMIA Spring Symposium, Phoenix, AZ
May 2008,
55. Invited Workshops: *Useful Medical Applications for Handheld Computers* (director for 14 workshops)
Internal Medicine 2008 (Formerly the ACP Annual Session), Washington, DC
May 15-17, 2008
56. Invited Lecture: *Leveraging Electronic Health Records to Improve Trial Recruitment at the Point-of-Care Research Conference*, Biomedical Informatics Research Center, Marshfield Clinic, Marshfield, WI,
February 7, 2008
57. Scientific Podium Presentation: *Identifying Challenges and Opportunities in Clinical Research Informatics: Analysis of a Facilitated Discussion at the 2006 AMIA Annual Symposium*
American Medical Informatics Association Annual Symposium, Chicago, IL
November 12, 2007
58. Scientific Panel: *Challenges and Opportunities in Clinical Research Informatics*
Panelists: Payne PR, **Embi PJ**, Sim I, Chute CG, Fridsma D, Jaffe C
AMIA Annual Symposium, Chicago, IL
November, 2007
59. Scientific Panel: *Knowledge Representation of Eligibility Criteria in Clinical Trials*
Panelists: Niland J, Sim I, El Saadawi G, Richesson R, Dorr D, Martin R, **Embi PJ**
AMIA Annual Symposium, Chicago, IL
November, 2007
60. Invited Workshop: *Designing Websites for Medical Practices*, 2 workshops
American College of Rheumatology/ARHP Annual Scientific Meeting, Boston, MA
November 12, 2007
61. Invited Speaker: *The Value of Electronic Health Records in Practice*
Department of HHS/CMS EHR Adoption Initiative Launch Event, Good Samaritan Hosp, Cincinnati, OH
October 30, 2007

62. Invited Lecture: *Leveraging Electronic Health Records to Improve Trial Recruitment at the Point of Care*
Research Conference, Department of Biomedical Informatics, Ohio State Univ, Columbus, Ohio
April 23, 2007
63. Invited Workshops: *Advanced Use of Palm OS PDAs in Medicine*, 4 workshops
Internal Medicine 2007 (Formerly the ACP Annual Session), San Diego, CA
April 19-21, 2007
64. Scientific Panel: *Clinical Research Informatics Challenges/Opportunities Panel Discussion*
Panelists: **Embi PJ**, Payne PR, Sim I, Johnson S, Fridsma DB, Niland J, Chahal A, Kush B, Sequine E
American Medical Informatics Association, Annual Meeting, Washington, D.C.
November 14, 2006
65. Invited Workshops: *Designing Websites for Medical Practices*, 2 workshops
American College of Rheumatology/ARHP Annual Scientific Meeting, Washington DC
November 12, 2006
66. Invited Lecture: *Leveraging Electronic Health Records to Improve Trial Recruitment at the Point of Care: the Clinical Trial Alert Approach*
Department of Medical Informatics and Clinical Epidemiology Research Conf., OHSU, Portland, OR
August 31, 2006
67. Invited Workshops: *Use of PDAs in Medicine*, 4 workshops (development and coordination of 13 workshops); Instructor, 4 Advanced Palm OS Workshops
American College of Physicians Annual Session, Philadelphia, PA
April 6-8, 2006
68. Invited Workshops: *Using PDAs in Clinical Practice: Beginner and Advanced Sessions*
American College of Rheumatology/ARHP Annual Scientific Meeting, San Diego, CA
November 15-16, 2005
69. Scientific Podium Presentation: *Development of an Electronic Health Record-based Clinical Trial Alert System to Enhance Recruitment at the Point of Care*
American Medical Informatics Association, Annual Symposium, Washington, D.C.
October 24, 2005
70. Invited Webinar: *Practical Applications of Handheld Computers in Medicine*
Hosted by: American College of Physicians, Posted Online June 2005.
71. Invited Meet the Professor: *Practical Applications of Handheld Computers in Medicine*
American College of Physicians Annual Session, San Francisco, CA
April 16, 2005
72. Invited Workshops: *Use of PDAs in Medicine*, Curriculum Director (development and coordination of 9 workshops); Instructor, 2 Advanced Palm OS Workshops
American College of Physicians Annual Session, San Francisco, CA
April 14-16, 2005
73. Scientific Podium Presentation: *Rheumatologists Knowledge and Practice Patterns Regarding Treatment of HCV Infected RA Patients*
American College of Rheumatology Annual Scientific Meeting, San Antonio, TX
October 19, 2004
74. Invited Workshop: *Using Handheld Computers in Clinical Practice*
American College of Rheumatology/ARHP Annual Scientific Meeting, San Antonio, TX
October 19, 2004

75. Scientific Presentation: *Impacts of Computerized Physician Documentation in a Teaching Hospital*
2nd International Conference on Information Technology in Health Care (ITHC), Portland, OR
September 13, 2004
76. Invited Workshop: *PowerPoint Presentations: Advanced Session*
American College of Physicians Annual Session, New Orleans, LA
April 23, 2004
77. Invited Meet the Professor: *Practical Applications of Handheld Computers in Medicine*
American College of Physicians Annual Session, New Orleans, LA
April 22, 2004
78. Scientific Presentation: *71 y/o man with Rheumatoid Meningitis: A Case Report*
Cleveland Society of Rheumatology, Cleveland, OH
March 30, 2004
79. Invited Presentation: *Perceived Impacts of Computerized Physician Documentation in a Teaching Hospital*
Outcomes Research Conference, Center for Clinical Effectiveness, UC
February 17, 2004
80. Invited Workshop: *The Use and Utility of Web-Based Residency Program Information*
American Medical Informatics Association Annual Symposium, San Antonio, TX
November 8, 2003
81. Invited Workshop: *Using Handheld Computers in Clinical Practice*
American College of Rheumatology/ARHP Annual Scientific Meeting, Orlando, FL
October 26, 2003 (Beginner's Course); October 27, 2003 (Advanced Course)
82. Invited Presentation: *The Use and Utility of Web-Based Residency Program Information, Education Working Group Mtg*, American Medical Informatics Association Annual Symposium, San Antonio, TX
November 9, 2002
83. Invited Workshop: *Using Handheld Computers: A Review for Clinicians*
American College of Rheumatology/ARHP Annual Scientific Meeting, New Orleans, LA
October 27, 2002
84. Invited Presentation: *Using Handheld Computers in Clinical Practice*
Meridian Park Primary Care Winter Conference (CME), Portland, OR
March 2, 2002
85. Invited Panel: *Using Computers and the Internet to Solve Clinical Problems*
Panelists: Hersh W, **Embi PJ**, Yackel TR
American College of Physicians Annual Session, Atlanta, GA
March 29, 2001
86. Invited Workshop: *A Review of the Current Computer/Web-Based Applications for Residency Management*
Associate of Program Directors in Internal Medicine Annual Spring Plenary, Atlanta, GA
March 27-28, 2001
87. Invited Panel: *The Use of Handheld Computers by Internal Medicine Residents*
Healthcare Information Management Systems Society Oregon Fall Conference, Portland, OR
October 26, 2000
88. Invited Presentation: *Improving Ambulatory Education Using an Internet-Based Curriculum*
Association of Program Directors in Internal Medicine Annual Session, Philadelphia, PA
April 12, 2000

89. Invited Workshop: *Succeeding in the Match: A Workshop on Residency Application and the NRMP*
American Medical Student Association Annual Session, Orlando, FL
March 1997

NATIONAL – UNPUBLISHED ABSTRACT/POSTER PRESENTATIONS

90. Three Complementary Research Participant Recruitment Initiatives at OSU: An Overview
Albrigo J, Hallam RK, Para M, Payne PR, Reider C, Springer J, **Embi PJ**
Third Annual Clinical Research Management Workshop, Bethesda, MD, June 21, 2010
91. EHR-based, Point-of-Care Subject Recruitment via the Clinical Trial Alert Approach: Benefits, Challenges, and Next Steps
National Science Foundation Biomedical Informatics Workshop, Portland, OR, December 4-5, 2007
92. NetWellness 1995-2005: Ten Years of Experience: An Ohio Health Internet Service Serving a National and Global Audience
S Wentz, **PJ Embi**, S Marine, P Pirie, DB Ornt, D Haag, M McCuiston, JR Guard
Ohio Health Information Technology Symposium, October 2005
93. Effect of a Clinical Trial Alert System on Internist Participation in Trial Recruitment
Clinical Research Expo at AMIA 2005 Annual Symposium, Washington D.C., October 24, 2005

INTRAMURAL – SELECTED INVITED PRESENTATIONS, LECTURES, TUTORIALS

94. *Evidence Generating Medicine: Case for a New Paradigm to Advance Discovery-Driven Healthcare*
UC Center for Clinical and Translational Science and Training Quarterly Grand Rounds
September 25, 2009
95. *Update on Research Informatics at UC: Plans and Ongoing Efforts*
UC Department of Medicine Monthly Conference
April 16, 2009
96. *Review and Discussion of ARRA Health IT Legislation*
UC Center for Center for Health Informatics Conference, Cincinnati, OH
March 13, 2009
97. *Health Informatics for the Physician Leader*
UC/Human Physician Leadership Program
March 4, 2009
98. *Establishing a Regional Clinical Informatics Collaboratory*
UC Center for Center for Health Informatics Conference, Cincinnati, OH
January 16, 2009
99. *Health Informatics for the Physician Leader*
Humana Physician Leadership Program, Cincinnati, OH
January 30, 2008
100. *Clinical Research Informatics and the AHC: Challenge and Opportunities of Leveraging Health IT for Academic Medicine*
UC Medical Grand Rounds, Cincinnati, OH
August 29, 2007
101. *Health Informatics for the Physician Leader*
Humana Physician Leadership Program, Cincinnati, OH
February 28, 2007

102. *The National Agenda for Health Information Technology*
UC Health Policy Forum, Cincinnati, OH
February 5, 2007
103. *Introduction to Biomedical and Health Informatics*
UC Internal Medicine-Pediatrics Residency Noon Conference, Cincinnati, OH
October 19, 2006
104. *Medical Informatics for the Physician Leader*
Humana Physician Leadership Program, Cincinnati, OH
March 1, 2006
105. *Leveraging Electronic Health Records to Improve Trial Recruitment: the Clinical Trial Alert System*
HotTopics lecture, UC Office of research compliance and training, Cincinnati, OH
January 26, 2006
106. *Clinical Research Informatics: Introduction to a Developing Field*
UC Medical Grand Rounds, Cincinnati, OH
September 28, 2005
107. *PDA Use in Medical Practice*
Cincinnati Children's Hospital Medical Center Rheumatology Educational Seminar
June 19, 2005
108. *Perceived Impacts of Computerized Physician Documentation in a Teaching Hospital*
Clinical Informatics Outcomes Research Group, Cincinnati Children's Hospital
August 9, 2004
109. *Medical Informatics: An Overview of the Field*
CCF Internal Medicine Noon Conference, Cleveland, OH
April 2, 2004
110. *Using Handheld Computers in Medicine*
CCF Internal Medicine Noon Conference, Cleveland, OH
November 19, 2003
111. *Hepatitis C Virus related Mixed Cryoglobulinemia: A Case Presentation and Review*
CCF Rheumatology and Vascular Medicine Combined Conference, Cleveland, OH
September 3, 2003
112. *Common Variable Immunodeficiency: A Review with Emphasis on Rheumatic Manifestations*
CCF Department of Rheumatic & Immunologic Diseases Grand Rounds, Cleveland, OH
May 13, 2003
113. *Methotrexate and Leflunomide: A Review*
CCF Department of Rheumatic & Immunologic Diseases Grand Rounds, Cleveland, OH
October 15, 2002
114. *Handheld Computer Use in Medicine: A Review*
OHSU CME Course: Using Computers to Solve Clinical Problems, Portland, OR
December 8, 2001
115. *Evidence Based Medicine: Searching Online for Answers to Clinical Questions*
OHSU Internal Medicine Residency Noon Conference, Portland, OR
October 11, 2001
116. *Handheld Medicine: A Review of Handheld Computer Use in Medical Practice*
OHSU Department of Medicine Grand Rounds, Portland, OR
May 22, 2001

117. *Medical Informatics: An Overview of the Field*
OHSU Internal Medicine Residency Noon Conference, Portland, OR
December 28, 2000
118. *The Use of Palm OS Handhelds in Medicine*
OHSU Internal Medicine Clinical Conference, Portland, OR
June 23, 2000
119. *A Review of Rheumatic Manifestations of Hepatitis C Infection*
Kaiser Permanente, Internal Medicine Housestaff Case Conference, Portland, OR
April 18, 2000
120. *A Review of Laboratory Tests for Diagnosing Rheumatic Diseases*
OHSU Internal Medicine Ambulatory Workshop
February 11, 2000
121. *The Internet for Internists: Overview of Internet and Intranet Resources for OHSU Housestaff*
OHSU Internal Medicine Residency Noon Conference, Portland, OR
July 26, 1999 and February 3, 2000
122. *Department of Medicine Web Site Instructional Showcase*
The.Web@OHSU Web Conference, Portland, OR
October 15, 1999
123. *A Practical Guide to the World Wide Web for Internists*
OHSU Internal Medicine Clinical Conference, Portland, OR
March 12, 1999
124. *Policy Approaches to Medical Futility: Results of a Nationwide Hospital Survey*
USF College of Medicine Research Day, November 19, 1994

OTHER SCIENTIFIC ACTIVITIES

SCIENTIFIC JOURNAL EDITORIAL BOARD

International Journal of Medical Informatics, Associate Editor, 2015-Present

Journal of the American Medical Informatics Association (JAMIA), Editorial Board, 2010-Present

SCIENTIFIC PEER REVIEW ACTIVITIES

JOURNAL/PROCEEDINGS PEER REVIEWER

Journal of the American Medical Informatics Association	2009, 2010, 11, 12, 13, 14, 15
PLOS One	2014
Proceedings of the AMIA Annual Symposium	2003, 2005 – 2013
AMIA Summit on Clinical Research Informatics	2010, 2011, 2012, 2013
Journal of Biomedical Informatics	2010, 2013
Applied Clinical Informatics	2010, 2014
BMC Medical Informatics and Decision Making	2009, 2010
BMC Medical Research Methodology	2009
Clinical Trials	2009
AMIA Summit on Translational Bioinformatics	2009
AMIA Spring Congress	2009

BMC Medical Education	2007, 2008
Trials	2007
Journal of General Internal Medicine	2007
Journal of Medical Internet Research	2006
Social Science and Medicine	2006
Arthritis Research & Therapy	2006
Cleveland Clinic Journal of Medicine	2003, 2004, 2006, 2007
MEDINFO International Meeting Proceedings	2004

NIH REVIEWER

Biomedical Computing and Health Informatics (BCHI) Study Section (BCHI reviews applications to advance the development and use of health information and communications technology in multidisciplinary clinical care and clinical research, personal health management, population and environmental health, translational science, and related training.)	2014-Present
NHLBI, special emphasis panel, SBIR (Computer Generated Diet and Exercise Reminders Promoting Cardiovascular Health)	2012
NHLBI, special emphasis panel, SBIR (Innovative Tools, Techniques, and Software for the Screening, Recruitment, and Follow-up of Participants in Pediatric Research)	2011
OD, special emphasis panel ZRG1 HDM-K, RC4 (Director's Opportunity - Healthcare Deliveries and Methodologies)	2010
NHLBI, special emphasis panel ZHL1 CCT-Y (03), SBIR (Innovative Tools in Pediatric Research)	2010
CSR, special emphasis panel ZRG1 MOSS D13, SBIR (Web-based Chronic Disease Management tools e.g. Rheumatoid Arthritis)	2005

PROFESSIONAL AND COMMUNITY SERVICE

CONTRIBUTIONS TO NATIONAL OR INTERNATIONAL CONFERENCES

- 2015 Workshop on EHR-Driven Participant Recruitment.*
June 2015; The Ohio State University, Columbus, Ohio
Role: **Meeting Chair**
- 2014 Clinical Research Forum IT Roundtable Special Conference (Leveraging EHRs for Research)*
October 2014; Washington DC
Role: **Meeting Co-Chair/Planning Committee member**
- 2014 AMIA Academic Forum Meeting*
May 2014, Ann Arbor, MI
Role: **Planning Committee member**
- 2014 iHealth Symposium*
February 2014; Orlando, FL
Role: **Co-Chair/Planning Committee member**
- 2013 Clinical Research Forum IT Roundtable Special Conference (Leveraging EHRs for Research)*
October 2013; Washington DC
Role: **Meeting Co-Chair/Planning Committee member**
- 2012 Clinical Research Forum IT Roundtable*

April 2012; Washington DC
 Role: **Planning Committee member**

2011 AMIA Annual Symposium

October 22-26; Washington, DC
 Role: **Invited session chair – two sessions:**
 S86 *Research Models & Collaborations*
 S94 *Making Clinical Research Easier: Tools and Methods*

2011 Clinical Research Forum IT Roundtable Conference

April 26, 2011; Washington, DC
 Role: **Invited session moderator**

2011 AMIA Summit on Clinical Research Informatics, 2nd Annual

March 9-11, 2011; San Francisco, CA
 Role: **Advisory committee (founding chair)**

2010 AMIA Annual Symposium

November 13-17, 2010; Washington, DC
 Role: **Invited session chair:** Clinical Information Warehouses
 Role: **Session organizer** (migrated previously free-standing Expo to be part of official peer-reviewed abstract sessions): Clinical Research Informatics Expo

2010 AMIA Summit on Clinical Research Informatics (Inaugural meeting)

March 12-13, 2010; San Francisco, CA
 Role: **Founding Scientific Program/Meeting Chairperson**

2009 AMIA Annual Symposium

November 14-18, 2009; San Francisco, CA
 Role: **Session organizer:** Clinical Research Informatics Expo

2009 AMIA Spring Congress

May 27-30, 2009; Orlando, FL
 Role: **Track co-chair**, Practice-Based Research Informatics Track

2008 AMIA Annual Symposium

November 8-12, 2008; Washington DC
 Role: **Invited session moderator:** Issues in Data Warehousing for Clinical Research
 Role: **Invited session chair:** Enabling and assessing data exchange: modeling information and processes
 Role: **Session Co-Organizer:** Clinical Research Informatics Expo

2008 ACR/ARHP Annual Meeting

October 24-29, 2008; San Francisco, CA
 Role: **Member**, Annual Meeting Planning Committee and Workshops Sub-Committee
 Role: **Invited session organizer and moderator:** Practical Pharmacotherapy: Special Problems in Special Patient Populations

2007 ACR/ARHP Annual Meeting

November 6-11, 2007; Boston, MA
 Role: **Member**, Annual Meeting Planning Committee and Workshops Sub-Committee
 Role: **Session organizer and moderator:** ACR Clinical Symposium: Issues in Biologic Therapy

CONTRIBUTIONS TO REGIONAL CONFERENCES

2012 OSU Center for Information Technology Innovation in Healthcare (CITI) Summit
 Date TBD, Columbus, OH

Role: **Program Committee Member**

2011 OSU Center for Information Technology Innovation in Healthcare (CITI) Summit
April 18, 2010; Columbus, OH
Role: **Program Committee Member, Panelist, Moderator**

INSTITUTIONAL COMMITTEE/ADMINISTRATIVE ACTIVITIES

2014-Present OSU Department of Biomedical Informatics BMI/DAC Faculty Search Committee
Role: Co-Chair

2014-Present OSU Department of Biomedical Informatics Service Line Director's Meeting
Role: *Chair, Vice-Chair for Operations*

2012-Present OSUMC IHIS Optimization Committee
Role: *Member*

2011-Present OSUMC Research IT Operations Team
Role: *Chair*

2011-Present OSUMC Information Enterprise Advisory Board
Role: Member

2011-Present OSU Department of Biomedical Informatics Executive Committee
Role: Member/Vice-Chair for Operations

2010-Present OSUMC Research Information Systems Steering Team (RISST)
Role: *Chair (2011-Present); Member (2010)*

2009-2010 UC Department of Biomedical Informatics Chairperson Search Committee
Role: *Participant*

2009-2010 UC College of Medicine Grievance Committee for Clinical Faculty
Role: *Chairperson*

2007-2010 UC Center for Clinical and Translational Science and Training Steering Committee
Role: *Director of Biomedical Informatics Program*

2008-2009 UC College of Medicine Policies Committee
Role: *Participant*

2005-2008 UC College of Medicine IT in the Curriculum Subcommittee of the Education Committee
Role: *Participant*

2004-2008 UC Physicians/Health Alliance Ambulatory EMR Implementation Steering Committee
Role: *Medical informatics expertise and EMR implementation guidance*

2006-2007 UC Division of Immunology Chairperson Search Committee
Role: *Participant*

2006-2007 Clinical and Translational Science Award Planning Committee
Role: *Chair, Biomedical Informatics Section*

2006-2007 UC College of Medicine Clinical Trials Task Force
Role: *Participant*

2006-2007 Institute for the Study of Health Executive Committee
Role: *Participant*

2005-2007 UC Department of Medicine GME Online Schedule Software Coordination
Role: *Advisor and Supervisor*

2005-2006 UC Department of Medicine Information Resources Integration Task Force
Role: *Chair*

2006	UC/Cincinnati Children's Hospital Medical Center Research IT Infrastructure Committee Role: <i>Convener of Clinical Informatics subcommittee</i>
2006	UC/ Cincinnati Children's Hospital Medical Center Research Software Committee Role: <i>Participant</i>
2005-2006	UC Institute for the Study of Health, Strategic Plan Task Force Role: <i>Participant</i>
2005-2006	UC Department of Medicine Clinical Trials Committee Role: <i>Representative for division of general internal medicine and informatics interests</i>
2005-2006	Cincinnati Childrens Hospital Medical Center Clinical Informatics Committee Role: <i>Participant, Medical Informatics expert consultant to committee</i>
2005	UC College of Medicine Graduate Medical Education PDA planning group Role: <i>Advisor and Participant</i>
2003-2004	CCF Medical Informatics Fellowship Curriculum Committee Role: <i>Contributor to curriculum development</i>
2003-2004	CCF College of Medicine of Case Western Reserve University Curriculum Committee Role: <i>Contributor to development of the Evidence Based Medicine/Informatics curriculum</i>
2003-2004	CCF EpicCare Steering Committee Role: <i>Provided medical informatics expertise to the ongoing EHR implementation effort</i>
2003-2004	CCF Clinical Informatics Committee Role: <i>Participated in planning clinical informatics interventions and evaluations at CCF</i>
2002-2004	CCF Rheumatology Department EpicCare EMR Rollout Role: <i>Physician Champion</i>
1999-2002	OHSU Clinical Information Systems Steering Committee Role: <i>Representative of OHSU Housestaff</i>
2000-2002	Portland VAMC Clinical Information Systems Committee Role: <i>Participant in policy-level decision making regarding use of clinical systems</i>
2000-2001	Portland VAMC Task Force on Computerized Patient Record System (CPRS) Role: <i>Participant in decisions regarding implementation and modifications to CPRS</i>
1998-2001	OHSU Residency Advisory Committee Role: <i>Participant in administrative decisions regarding residency program and housestaff</i>
1997-2002	OHSU Department of Medicine Web Site Role: <i>Creator, Manager & IT consultant</i>
1996-1997	USF College of Medicine Department of Internal Medicine Web Site Role: <i>Creator & Manager</i>
1996-1997	USF College of Medicine Committee on Academic Computing Role: <i>Student representative to committee making College-wide IT decisions</i>

CONSULTANCIES AND OTHER PROFESSIONAL ACTIVITIES

2015-Present	<i>National Library of Medicine Board of Scientific Counselors NIH, Bethesda, MD</i>
2014-Present	<i>Clinical Informatics Fellowship Milestones Initiative ACGME, Chicago, IL</i>
2014-Present	<i>Clinical Informatics Fellowship Pre-Review Panel ACGME, Chicago, IL</i>

- 2014-Present *Senior Medical Advisor/Consultant*
Signet Accel LLC, Columbus, OH
- 2013-Present *EPIC Data Sharing Network Advisory Committee*
Epic Coproration, Verona WI (Role: Chair, 2013-2015 – Uncompensated)
- 2013 *NYU Research Informatics Program EAB*
NYU Langone Medical Center, New York, NY
- 2011-Present *External Advisory Board, Center for Clinical and Translational Research*
Virginia Commonwealth University, Richmond, VA
- 2011-Present *External Advisory Board Comprehensive Cancer Center, Massey Cancer Center,*
Virginia Commonwealth University, Richmond, VA
- 2012 *Resaerch Informatics Advising, University of Nebraska Health Center*
Omaha, Nebraska
- 2012 *Data Warehousing Strategy Advising, Univeristy of California in San Francisco (UCSF)*
Medical Center, San Francisco, CA
- 2010 *External Reviewer for Biomedical Informatics section of CTSA Initial Proposal, Michigan*
State University (MSU); requester Phil Reed, PhD
- 2010 *External Reviewer for Biomedical Informatics section of CTSA Renewal Proposal,*
University of California San Francisco (UCSF); requester Michael Kamerick
- 2009-2010 *External Advisor to CTSA-supported Biomedical Informatics program*
Virginia Commonwealth University, Richmond, VA
- 2009-2010 *Medical Center Fund of Cincinnati (a non-profit corporation associated with UC); Elected*
At-Large Member of Executive Committee for 5 year term (cut short by move to OSU)
- 2009-2010 *UC/CCHMC T32 Adult and Pediatric Training Grant Rheumatology Advisory and*
Executive Committee
- 2007-2010 *Health IT Workgroup, Cincinnati Aligning Forces for Quality Initiative, Robert Wood*
Johnson Foundation funded project
- 2006-2010 *Advisory Board, Master of Health Informatics Degree Program, Northern Kentucky*
University
- 2005-2008 *ENACCT (Education Network to Advance Cancer Clinical Trials) Pilot Education*
Program Evaluation Advisory Committee, Lance Armstrong Foundation funded project

PATENTS, COPYRIGHTS, AND TECHNOLOGY/COMMERCIALIZATION ACTIVITIES

- 2014 Co-Inventor of licensed technology and Co-Founder of Signet Accel, LLC
Licensed tech: N-Vision, TRIAD, and related federated software platform software

RECENT SELECTED CIVIC VOLUNTEER ACTIVITIES

- 2008-2010 Den Leader and WebMaster, Cub Scout Pack 163, Cincinnati, Boy Scouts of America
- 2005-2008 NetWellness.org, Volunteer Expert Contributor, Responding to Public Health Questions

EDUCATIONAL ACTIVITIES

PROGRAM/CURRICULUM DEVELOPMENT

- 2012-Present Co-Director, NLM T15 OSU Clinical and Translational Research Informatics Program
- 2012-Present Co-Director, Biomedical Informatics Specialization, OSU MS/MPH Programs

- 2011-Present Co-lead Project 4 (Informatics, safety, quality), OSU College of Medicine LSI Curriculum
- 2011-Present Contributor, OSU College of Medicine MD Curriculum Redesign – Informatics Portion
- 2010-Present Director, OSU/AMIA 10x10 Clinical Research Informatics Program
- 2008-2010 Director, UC/AMIA 10x10 Clinical Research Informatics Program
- 2008-2010 Co-Director, Research Informatics Tracks, UC MS in Clinical Research Program
- 2006-2008 Co-Editor, ACR/ARHP Nurse Practitioner/Physician Assistant Rheumatology Distance Learning Program

TEACHING ACTIVITIES

- 2012-Present Course Director, OSU BMI 5740 Introduction to Research Informatics
- 2012-Present Lead Instructor, OSU/AMIA 10x10 Introduction to Clinical Research Informatics course
- 2011-Present Co-Instructor, OSU BMI 5710, Introduction to Biomedical Informatics
- 2011 Guest Instructor, OSU Biomedical Informatics Interns lecture series
- 2011 Guest Instructor, OSU College of Medicine P4-Medicine Medical Student Elective
- 2011 Lead Instructor, OSU/AMIA 10x10 Introduction to Clinical Research Informatics course
- 2008-2010 Lead Instructor, UC/AMIA 10x10 Introduction to Clinical Research Informatics course
- 2008, 2009 Guest Instructor, Information Visualization Course, UC Master of Design Program
- 2006-2010 Co-Instructor, Introduction to Medical Informatics course, UC MS in Clinical Research
- 2005-2010 Instructor, UC Rheumatology Fellowship Core Curriculum; Topics: Vasculitis, Informatics
- 2004-2010 Attending Physician, Weekly Rheumatology Clinic, Cincinnati VAMC
- 2007 Attending Physician, Inpatient Rheumatology Consultation Service, University Hospital
- 2006 Judge, Student/Resident Research Day, UC Department of Medicine
- 2005-2006 Instructor, 2nd-year Medical Student Physical Diagnosis Course, UC College of Medicine
- 2005-2006 Applicant Interviewer, UC Internal Medicine Residency Program
- 2005-2006 Co-Instructor, Medical Informatics Elective, UC College of Medicine
- 2005-2006 Group Leader, UC Department of Medicine Housestaff Medical Humanities Series
- 2003 Instructor, Clinical Information Systems Course, OHSU Medical Informatics Master's Level Distance Learning Program
- 2001-2002 Attending Physician, OHSU General Internal Medicine Clinic
- 2000-2001 Attending Physician, General Medicine Ward Team, Portland VAMC/OHSU Hospital
- 2000-2001 Chief of Service Weekly Teaching Rounds with Third Year Medical Students, OHSU
- 2000-2001 Internal Medicine Morning Report Discussion Leader, Portland VAMC/OHSU Hospital
- 2000-2001 Department of Medicine weekly Clinical-Pathologic Conference, Co-Organizer

PAST AND CURRENT MENTEES

- 2015-Present **En-Ju (Deborah) Lin, PhD**, NLM T15 Informatics Fellow, Department of Biomedical Informatics, The Ohio State University
- 2013-2014 **Hareth Madhoun, MD**, Rheumatology Fellow, Department of Internal Medicine, The Ohio State University
Project: Determining Risk Factors that Increase Hospitalization in Patients with Systemic Lupus Erythematosus

- 2012-2014 **Marcelo Lopetegui, MD, MS**, Master of Science Student, Department of Biomedical Informatics, The Ohio State University (co-mentor, thesis committee member)
- 2012-2014 **Caryn Roth, MPH**, Master of Public Health Student, Department of Biomedical, The Ohio State University
- 2011-2013 **Courtney Hebert, MD**, Post-Doctoral Fellow, Department of Biomedical Informatics, The Ohio State University Medical Center
Project: Predicting and Avoiding Preventable Readmissions via Informatics Approaches
- 2011-2013 **Linda Burns, DO**, Rheumatology Fellow, Department of Medicine, The Ohio State University Medical Center
Project: Determining intervenable risk factors for adverse events in patients with systemic lupus erythematosus and Health IT interventions to prevent them.
- 2008-2009 **Carlos Aguilar, MD**, Internal Medicine Resident, The Christ Hospital of Cincinnati
Project: Incidence and risk factors for iatrogenic narcotic overdose in a community hospital
- 2007-2008 **Ruth Wise, MSN**, Master of Design candidate (thesis committee chair)
Project: Applying Informatics principles to design of a point-of-care, patient-oriented decision making tool
- 2007-2008 **Elizabeth Mack, MD**, Pediatric Intensive Care Fellow, CCHMC
Project: Review of Clinical Decision Support Systems in the Pediatric Intensive Care Unit
- 2005-2007 **Danesh Mazloomdoost, MD**, Medicine Resident, University of Cincinnati
Project 1: Physician usage and perceptions of a PDA-based electronic health record data tool on clinical practice and education in a teaching hospital
Project 2: Information Seeking Behaviors of Medical Residents in an Environment with Limited Internet Access. (Data collected by mentee during abroad rotation in Iran)
- 2005-2006 **Prasad Acharya, MBA**, Medical Student, Wright State University, Dayton, OH
Project: Responding Rapidly to Medication Recalls: New Approach for a Consumer Health Website