

ANDREA L. HARTZLER, PHD
 Biomedical Informatics and Medical Education
 University of Washington
 850 Republican St., Bldg. C #231
 BIME/SLU 358047
 Seattle, WA 98109
 E-mail: andrea@uw.edu
 Phone: 206-616-7403

EDUCATION

1992 – 1996 **B.S. Psychology, Phi Beta Kappa, Cum laude** - University of Washington, Seattle, WA
 2003 – 2009 **Ph.D. Biomedical Informatics** - University of Washington, Seattle, WA
 Thesis: “Understanding and Facilitating Patient Expertise Sharing”

PROFESSIONAL POSITIONS

Current Positions

2017 – Present **Co-Director**, Clinical Informatics and Patient-Centered technologies (CIPCT) program, Departments Biobehavioral Nursing and Health Informatics, School of Nursing; and Biomedical Informatics and Medical Education, School of Medicine. University of Washington, Seattle, WA
 2017 – Present **Associate Professor**, Department of Biomedical Informatics and Medical Education, University of Washington, Seattle, WA
 2017 – Present **Affiliate Researcher**, Kaiser Permanente Health Research Institute, Seattle, WA

Past Positions

1996 – 1998 **Research Study Coordinator** – Department of Psychology, University of Washington,
 1997 – 1998 **Research Technologist** – Otolaryngology Head and Neck Surgery, University of Washington Medical Center, Seattle, WA
 1999 – 2003 **Computer Analyst** – Department of Psychology, University of Washington, Seattle, WA
 2003 – 2006 **National Library of Medicine Pre-Doctoral Research Fellow** - Department of Medical Education and Biomedical Informatics, University of Washington, Seattle, WA
 2006 – 2009 **Research Assistant** - University of Washington, Seattle, WA
 2009 – 2011 **Postdoctoral Fellow** - Department of Medical Education and Biomedical Informatics, University of Washington, Seattle, WA
 2011 – 2012 **Research Scientist** - Department of Pediatrics, Division of Genetic Medicine, University of Washington, Seattle, WA.
 2011 – 2012 **Research Scientist** - I-TECH, Department of Global health, University of Washington, Seattle, WA
 2012 – 2012 **Lecturer** - School of Nursing, University of Washington, Seattle, WA
 2012 – 2014 **Research Scientist** - The Information School, University of Washington, Seattle, WA
 2013 – 2013 **Usability Researcher** - Microsoft Research (via Collabora), Redmond, WA.
 2014 – 2017 **Assistant Investigator**, Kaiser Permanente Health Research Institute, Seattle, WA (formerly Group Health Research Institute)

HONORS, AWARDS, & SCHOLARSHIP

1992-1996 **Dean’s List**, University of Washington, Seattle, WA.
 1995 **Golden Key** National Honors Society
 1995 **National Dean’s List**
 1995 **Psi Chi** National Honor Society
 1996 **Phi Beta Kappa** National Honor Society

- 1996 **Cum Laude** honors
- 2003 **Research Training Fellowship**, National Library of Medicine (NIH/NLM)
- 2006 **Nomination for Best Paper Award at Hawaii International Conference on System Sciences (HICSS).**
Civan, A., & Pratt, W. "Supporting Consumers by Characterizing the Quality of Online Health Information: A Multidimensional Framework."
- 2007 **Nomination for Distinguished Paper Award at AMIA: Civan, A., & Pratt, W.**
"Threading Together Patient Expertise."
- 2011 **Distinguished Reviewer Award**, AMIA Annual Fall Symposium
- 2012 **Nomination for Distinguished Paper Award at AMIA Annual Fall Symposium: Patel R, Klasnja P, Hartzler A, Unruh K, Pratt W.** *"Probing the benefits of real-time tracking during cancer care."*
- 2013 **Best poster award at AUA Annual Meeting: Hsi RS, Hotaling J, Hartzler A, Holt SK, Walsh TJ.** *"Validity and Reliability of a Smartphone Application for the Assessment of Penile Deformity in Peyronie's Disease."*
- 2013 **Distinguished Paper Award at AMIA Annual Fall Symposium: Huh J, McDonald D, Hartzler A, Pratt W.** *"Patient Moderator Interaction in Online Health Communities."*
- 2013 **Distinguished Reviewer Award**, AMIA Annual Fall Symposium
- 2014 **Distinguished Paper Award at AMIA: Hartzler A, McDonald DW, Park A, Huh J, Weaver C, Pratt W.** *"Evaluating health interest profiles extracted from patient-generated data."*
- 2014 **Nomination for Distinguished Paper Award at AMIA: Overby CL, Rasmussen LV, Hartzler A, Connolly JJ, Peterson JF, Hedberg RE, Freimuth RR, Shirts BH, Denny JC, Larson EB, Chute CG, Jarvik GP, Ralston JD, Shuldiner AR, Starren J, Kullo IJ, Tarczy-Hornoch P, Williams MS.** *"A Template for Authoring and Adapting Genomic Medicine Content in the eMERGE Infobutton Project."*
- 2015 **Best poster award at AUA Annual Meeting: Nayak JG, Hartzler A, Izard JP, Dalkin B, Gore, G.** *"The importance of graphic literacy in patient-centered communication."*
- 2019 **Fred Wolf Mentorship Award**, Department of Biomedical Informatics and Medical Education, University of Washington
- 2019 **Finalist for the Diana Forsythe Award at AMIA Fall Symposium: Taylor JO, Hartzler AL, Osterhage KP, Demiris G, Turner AM.** *"Monitoring for change: the role of family and friends in helping older adults manage personal health information."*
- 2019 **Top Reviewer Award**, Journal of the American Medical Informatics Association

OTHER PROFESSIONAL ACTIVITIES

COMMITTEES, COUNCILS, & BOARDS

- 2009 **Program Committee**, Workshop on Personal Information Management (PIM), ACM SIGIR Conference.
- 2009 **Program Committee**, ASIS&T Personal Information Management Workshop
- 2010 **Program Committee**, The American Society for Information Science & Technology (ASIS&T) Annual Meeting
- 2010 **Poster Program Committee**, American Medical Informatics Association (AMIA) Fall Symposium
- 2011 – 2012 **Advisory Board Member**, Medify, Inc., Seattle, WA
- 2011 **Technical Program Committee**, 5th International Conference on Pervasive Computing Technologies for Healthcare (PCTH'11)
- 2012 **Program Committee**, 5th International Workshop on Personal Information Management (PIM), ACM conference on Computer Supported Cooperative Work (CSCW'12)
- 2012 **Workshop Co-chair**, "Brainstorming Design for Health: Helping Patients Utilize Patient-Generated Information on the Web" Workshop, ACM Conference on Computer Supported Cooperative Work (CSCW) 2012, Seattle WA.
- 2012 **Workshop Organizer**, "Workshop on Interactive Systems in Healthcare" (WISH'12) Co-located with the American Medical Informatics Association (AMIA) 2012, Chicago, IL.

- 2012 – present **Member**, Electronic Medical Record Integration (EHRI) Working Group for Electronic Medical Records and Genomics (eMERGE) Network
- 2013 **Review Committee**, “Interact 2013” 14th IFIP TC13 Conference on Human-Computer Interaction
- 2014 – 2017 **Data and Informatics Strategy Committee**, Group Health Research Institute/ Kaiser Permanente Washington Health Research Institute
- 2016 **Member**, Publications Task Force, American Medical Informatics Association
- 2016 **Vice Chair**, American Medical Informatics Association (AMIA) Annual Symposium
- 2016 Subject matter expert, DHHS Office of the National Coordinator for Health IT (ONC), “Conceptualizing a Data Infrastructure for the Capture, Use, and Sharing of Patient-Generated Health Data in Care Delivery and Research through 2024.”
- 2016 – 2017 **Scientific Advisory Committee**, Group Health Research Institute/Kaiser Permanente Washington Health Research Institute
- 2016 – 2017 Member of Consumer Task Force for DHHS Office of the National Coordinator for Health IT (ONC)
- 2016 – 2017 **Member**, PCORI Users’ Guide for Integrating Patient-reported Outcomes in Electronic Health Records Working Group
- 2017 – present **Member**, Conflict of Interest Panel, American Medical Informatics Association
- 2017 – 2020 **Associate Chair** for Health, Accessibility, and Aging, ACM CHI Scientific Program Committee
- 2017 – present **Member**, University of Washington Medicine Information Technology Services Patient Portal Oversight Committee
- 2017 – present **Member**, University of Washington Medicine Committee for Digital and Connected Health
- 2018 – present **Member**, Fred Hutchinson Cancer Consortium
- 2018 - 2018 **Organizing Committee**, 2018 University of Washington FHIR Workshop
- 2018 – present **Member**, University of Washington Medicine Patient-Reported Outcomes Governance Committee
- 2018 – present **Member**, Journals and Publications Committee, American Medical Informatics Association
- 2018 – present **Member**, University of Washington Medicine D1 Patient Tools and Engagement Committee
- 2018 – present **Chair**, Admissions Committee, Clinical Informatics and Patient-Centered Technologies Program, University of Washington
- 2019 – present **Member**, University of Washington Medicine Information Technology Services Clinical Research Informatics Committee
- 2019 - present **Member**, Admissions Committee, Biomedical Informatics and Medical Education, University of Washington
- 2019 – present **Co-Chair**, University of Washington Medicine Information technology Services D1 Patient Tools and Engagement Committee
- 2019 – present **Member**, University of Washington Medicine D1 Operations Committee
- 2019 – present **Member**, University of Washington Medicine Digital Strategy Committee
- 2020 – present **Member**, University of Washington Medicine Race, Ethnicity, and Language, Sexual Orientation, and gender identity (REaL and SOGI) Data Standardization Workgroup
- 2020 – present **Member**, Diversity, Equity, and Inclusion Committee, Biomedical Informatics and Medical Education, University of Washington

STUDY SECTIONS

- 2013 National Science Foundation (NSF), Smart and Connected Health
- 2016 Netherlands Organisation for Scientific Research
- 2016 Israel Science Foundation
- 2018 National Science Foundation (NSF), Decisions, Risk, and Management Science
- 2018 University of Maryland, Maryland Industrial Partnerships Program
- 2018 US Department of Health and Human Services, Office of National Coordinator for Health Information Technology (ONC), Merit review panel for the office of Procurement and grants management

EDITORIAL RESPONSIBILITIES

- 2008 – 2010 Editorial Board (student member), Journal of American Medical Informatics Association (JAMIA)
 2019 – Present Editorial Board, Journal of the American Medical Informatics Association (JAMIA)

Reviewer for the Journals

- 2007 European Journal of Information Systems (EJIS), Special Issue on "Healthcare Information Systems Research, Revelations and Visions"
 2007, 2012 Methods of Information in Medicine
 2007 Transactions on Information System, Special Issue on Personal Information Management
 2007 – present Journal of the American Society for Information Science & Technology (JASIST)
 2008 Communications of the Association for Information Systems (CAIS)
 2010 - present International Journal of Medical Informatics (IJMI)
 2011 Information Processing & Management (IPM)
 2011 – present Journal of Medical Internet Research (JMIR)
 2012 – present Journal of the American Medical Informatics Association (JAMIA)
 2012 Congress on Social Media, Mobile Apps, and Internet/Web 2.0 in London/England, Sept 23-24, 2013, also known as Medicine 2.0 congress
 2013 – present Informatics for Health and Social Care
 2014 – present Computer Methods and Programs in Biomedicine (CMB)
 2016 Expert Review of Medical Devices
 2016 – present BMC Research Notes
 2016 – present Applied Clinical Informatics (ACI)
 2016 – present JMIR mHealth & uHealth (JMU)
 2016 – present The Patient - Patient-centered Outcomes Research (PTTA)
 2016 – present The Computer Supported Cooperative Work (CSCW) Journal
 2016 – present BMC Medical Decision Making
 2017 – present Health Informatics Journal
 2017 – present Health Systems Journal
 2018 – present Journal of Biomedical Informatics (JBI)
 2018 – present Journal of the American Medical Informatics Association Open (JAMIA Open)
 2018 – present American Journal of Preventive Medicine (AJPM)
 2018 – present Annals of Family Medicine (AFM)
 2019 – present American Journal of Public Health (AJPH)
 2020 – present HealthCare Journal of Delivery Science and Innovation

Reviewer for the Conferences

- 2006 – present American Medical Informatics Association Annual Symposium (AMIA)
 2006 – 2008 Hawaii International Conferences on System Sciences (HICSS)
 2009 – present ACM Conference on Human Factors in Computing Systems (CHI)
 2009, 2012 International Workshop on Personal Information Management (PIM)
 2010 – 2013 International Conference on Pervasive Computing Technologies for Healthcare
 2010 – present ACM Conference on Computer Supported Cooperative Work (CSCW)
 2010 – 2010 The American Society for Information Science & Technology (ASIS&T) Annual Meeting
 2012 – 2015 Medicine 2.0 World congress on Social Media, Mobile apps, and internet/web 2.0

ORGANIZATIONS

- 2003 - Present American Medical Informatics Association (AMIA)
 2009 - Present Association for Computing Machinery (ACM)

OTHER SPECIAL RESPONSIBILITIES

- 2010 – 2010 Facilitator, Biomedical Research Integrity Program (BRI), University of Washington, School of Medicine
 2010– 2010 Fellow, International Partnership in Health Informatics Education (IPHIE), 2010, Seattle, WA.

2010– 2010	Mentee, Mentoring Program at Workshop on interactive health systems in Healthcare (WISH) 2010, Atlanta, GA.
2014 – 2014	Trainee, 2014 NIH mHealth Institute
2016 – 2016	Mentor, Aspiring PI Workshop for NIH/NSF Smart and Connected Health
2016 – Present	Mentor, Women in AMIA Career Development Program
2019 – Present	Scholar, Women in AMIA Leadership Program

BIBLIOGRAPHY (Previously known as “**Andrea Civan**”)

Google scholar profile: <https://scholar.google.com/citations?hl=en&authuser=1&user=KzoDCQ0AAAAJ>

Pubmed bibliography: https://www.ncbi.nlm.nih.gov/myncbi/1JMCwl7Y-B_9K4/bibliography/public/

Peer-reviewed Papers

1. Teller DY, Pereverzeva M, **Civan A**. Adult brightness vs. Luminance as Models of Infant Photometry: Variability, Biasability, and Spectral Characteristics for the Two Age Groups Favor the Luminance Model. *Journal of Vision* 2003, 3(5): article 2. PMID:12875631.
2. Teller DY, **Civan A**, Bronson-Castain K. Infants' spontaneous color preferences are not due to adult-like brightness variations. *Visual Neuroscience* 2004, 21(3): 397-401. PMID: 15518220
3. **Civan A**, Teller DY, Palmer J. Relations between Spontaneous Preferences, Familiarized Preferences, and Novelty Effects: Measurements with Forced-Choice Techniques. *Infancy* 2005, 7(2):111-142.
4. Pratt W, Unruh K, **Civan A**, Skeels, MM. Personal Health Information Management. *Communications of the ACM (CACM)* 2006, Special Issue on Personal Information Management, 49(1):51-55.
5. **Civan A**, Skeels M, Stolyar A, Pratt W. Personal Health Information Management: Consumers' perspectives. *AMIA Annual Symposium Proceedings (AMIA Annu Symp Proc)*. 2006; 156–160. PMID: PMC1839450.
6. **Civan A**, Pratt W. Supporting Consumers by Characterizing the Quality of Online Health Information: A Multidimensional Framework. In *Proceedings of the 39th Annual Hawaii International Conference on System Sciences (HICSS)*. January 2006, Kauai, HI, p.88a. **Best paper award nomination**
7. **Civan A**, Pratt W. Information Systems and Healthcare XXII: Characterizing and Visualizing the Quality of Health Information. *Communications of the Association for Information Systems* 2007, 20(1): Article 18.
8. **Civan A**, Pratt, W. Threading Together Patient Expertise. In *Proceedings of the AMIA Annual Fall Symposium (AMIA Annu Symp Proc)*. 2007 Oct 11;140-144. PMID: PMC2655889. **Distinguished paper award nomination**
9. Jones W, Klasnja P, **Civan A**, Adcock, M. The Personal Project Planner: Planning to Organize Personal Information. In *Proceeding of the SIGCHI Conference on Human Factors in Computing Systems CHI'08 (CHI Conf Proc)*. April 2008, Florence, Italy, p. 681-684.
10. **Civan A**, Jones W, Klasnja P, Bruce H. Better to Organize Personal Information by Folders Or by Tags?: The Devil Is in the Details. In *Proceedings of the American Society for Information Science & Technology (ASIS&T) Annual Meeting*. October 2008, Columbus, OH.
11. **Civan A**, McDonald DW, Unruh KT, Pratt W. Locating Patient Expertise in Everyday Life. *GROUP ACM SIGCHI Int Conf Support Group Work*. 2009; 2009: 291–300. PMID: PMC2955449.
12. Unruh K, Skeels M, **Civan-Hartzler A**, Pratt W. Transforming Clinic Environments into Information Workspaces for Patients. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems CHI'10 (CHI Conf Proc)*. 2010: 183-192. PMID: PMC3108044
13. Klasnja P, **Civan-Hartzler A**, Unruh K, Pratt W. Blowing in the wind: Unanchored Patient information work during cancer care. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems CHI'10 (CHI Conf Proc)*. 2010: 193-202. PMID: PMC2913511
14. **Civan-Hartzler A**, McDonald D, Powell C, Skeels M, Mukai M, Pratt W. Bringing the field into focus: User-centered design of a patient expertise locator. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems CHI'10 (CHI Conf Proc)*. 2010:1675-1684. PMID: PMC3019768.

15. Klasnja P, **Hartzler A**, Powell C, Phan G, Pratt W. HealthWeaver Mobile: Designing a Mobile Tool for Managing Personal Health Information during Cancer Care. In *Proceedings of the AMIA Annual Fall Symposium* (AMIA Annu Symp Proc). 2010: 392-396. PMID: PMC3041373.
16. **Hartzler A**, Skeels MS, Mukai M, Powell C, Klasnja P, Pratt W. Sharing is caring, but not error free: Transparency of granular controls for sharing personal health information in social networks. In *Proceedings of the AMIA Annual Fall Symposium* (AMIA Annu Symp Proc). 2011:559-568. PMID: PMC3243199.
17. **Hartzler A**, Pratt W. Managing the Personal Side of Health: How Patient Expertise Differs from the Expertise of Clinicians, *Journal of Medical Internet Research* (JMIR), 2011;13(3):e62. doi:10.2196/jmir.1728. PMID: PMC3222167.
18. Klasnja P, **Hartzler A**, Powell C, Pratt W. Supporting cancer patients' unanchored health information management with mobile technology, In *Proceedings of the AMIA Annual Fall Symposium*. (AMIA Annu Symp Proc). 2011: 732-741. PMID: PMC3243297.
19. Anderson N, Bragg C, **Hartzler A**, Edwards K, Participant-Centric Initiatives: Tools to Facilitate Engagement. *Applied & Translational Genomics* 2012 1(1): 25-29. PMID: PMC3998724.
20. Patel R, Klasnja P, **Hartzler A**, Unruh K, Pratt W. Probing the benefits of real-time tracking during cancer care. In *Proceedings of the AMIA Annual Fall Symposium*. (AMIA Annu Symp Proc). 2012: 1340-1349. PMID: PMC3540467. **Nominated for Distinguished paper award**
21. Hsi RS, Hotaling JM, **Hartzler A**, Holt SK, Walsh TJ. Validity and reliability of a smartphone application for the assessment of penile deformity in Peyronie's disease. *Journal of Sexual Medicine* (J Sex Med). 2013; 10(7):1867-1873. PMID: 23551808.
22. **Hartzler A**, McCarty CA, Rasmussen LV, Williams MS, Brilliant M, Bowton EA, Clayton EW, Faucett WA, Ferryman K, Field JR, Fullerton SM, Horowitz CR, Keonig BA, McCormick JB, Ralston JD, Sanderson SC, Smith ME, Trinidad SB. Stakeholder engagement: A key component of integrating genomic information into electronic health records. *Genetics in Medicine* (Genet Med). 2013; 15(10):792-801. PMID: PMC3909653.
23. Patel R, Czerwinski M, **Hartzler A**, Pratt W, Roseway A, Back A. Visual feedback on nonverbal communication: A design exploration with healthcare professionals. *Pervasive Health 7th International conference on pervasive computing technologies for healthcare*, May 5-8 2013, Venice Italy.
24. Huh J, McDonald D, **Hartzler A**, Pratt W. Patient Moderator Interaction in Online Health Communities. In *Proceedings of the AMIA Annual Fall Symposium* (AMIA Annu Symp Proc). 2013: 627-36. PMID: PMC3900205. **Distinguished paper award**
25. IZARD J, **Hartzler A**, Avery DI, Shih C, Dalkin B, Gore J. User-Centered Design of Quality of Life Reports for Clinical Prostate Cancer Care. *Surgery* (Surgery). 2014; 155(5):789-796. PMID: 24787105.
26. **Hartzler A**, Patel R, Czerwinski M, Chandrasekaran N, Pratt W, Roseway A, Back, A. Real-time feedback on nonverbal clinical communication: Theoretical framework and clinician acceptance of ambient visual design. *Methods of Information in Medicine* (Methods Inf Med). 2014; 53(5):389-405. PMID: 24970354.
27. **Hartzler A**, Wetter T. Engaging Patients through Mobile Phones: Demonstrator Services, Success Factors, and Future Opportunities in Low and Middle-income Countries. *IMIA Yearbook* (Yearb Med Inform). 2014; 9(1):182-194. PMID: 25123741
28. Overby CL, Rasmussen LV, **Hartzler A**, Connolly JJ, Peterson JF, Hedberg RE, Freimuth RR, Shirts BH, Denny JC, Larson EB, Chute CG, Jarvik GP, Ralston JD, Shuldiner AR, Starren J, Kullo IJ, Tarczy-Hornoch P, Williams MS. A Template for Authoring and Adapting Genomic Medicine Content in the eMERGE Infobutton Project. In *Proceedings of the AMIA Annual Fall Symposium* (AMIA Annu Symp Proc). 2014: 944-953. **Nominated for Distinguished paper award**
29. **Hartzler A**, McDonald DW, Park A, Huh J, Weaver C, Pratt W. Evaluating health interest profiles extracted from patient-generated data. In *Proceedings of the AMIA Annual Fall Symposium* (AMIA Annu Symp Proc). 2014: 626-635. PMID: 25954368. **Distinguished paper award**
30. Sanger P, **Hartzler A**, Lober B, Evans H, Pratt W. Design Considerations for Post-Acute Care mHealth: Patient Perspectives. In *Proceedings of the AMIA Annual Fall Symposium* (AMIA Annu Symp Proc). 2014: 1920-1929.
31. Sanger PC, **Hartzler A**, Han SM, Armstrong AL, Stewart MR, Lordon RJ, Lober WB, Evans HL. Patient Perspectives on Post-Discharge Surgical Site Infections: Towards a Patient-Centered Mobile Health Solution. *PLoS ONE* 2014 9(12): e114016. PMID: PMC4250175.

32. **Hartzler AL**, Chaudhuri S, Fey BC, Flum DR, Lavalley D. Integrating Patient-Reported Outcomes into Spine Surgical Care through Visual Dashboards: Lessons Learned from Human-Centered Design. *eGEMs*. 2015;3(2):1133. PMID: 25988187
33. Park A, **Hartzler A**, Huh J, McDonald D, Pratt W. Homophily of Vocabulary Usage: Beneficial Effects of Vocabulary Similarity in Online Health Communities Participation. *AMIA Annu Symp Proc* 2015; 1024-1033.
34. Turner AM, Osterhage K, **Hartzler A**, Joe J, Lin L, Kanagat N, Demiris G. Use of patient portals for personal health information management: The older adult perspective. *AMIA Annu Symp Proc* 2015:1234-1241.
35. Herr T, Bielinski S, Bottinger E, Brautbar A, Brilliant M, Chute CG, Denny J, Freimuth R, **Hartzler A**, Kanry J, Kohane I, Kullo I, Lin S, Pathak J, Peissig P, Pulley J, Ralston J, Rasmussen L, Rodden D, Tromp G, Williams MS, Starren J. A conceptual model for translating omic data into clinical action. *Journal of Pathology Informatics*. 2015;6:46. PMID: PMC4584438
36. Shirts BH, Salama J, Aronson S, Chung W, Gray SW, Hindorff L, Jarvik GP, Peissig PL, Plon SE, Tarczy-Hornoch P, Van Allen EM, Weck KE, Chute CG, Freimuth R, Grundmeier RW, **Hartzler AL**, Rasmussen LV, Starren J, Williams MS, Overby C. CSEER and eMERGE: Current and Potential State of the Display of Genetic Information in the Electronic Health Record. *J Am Med Inform Assoc*. 2015 Nov;22(6):1231-42. PMID: 26142422
37. Crosslin DR, Robertson PD, Gordon AS, Hanna DS, Burt A, Scrol A, Ralston J, Leppig K, **Hartzler A**, Baldwin E, de Andrade M, Kullo IJ, Tromp G, Doheny KF, Ritchie MD, Crane PK, Nickerson DA, Larson EB, Jarvik GB. Prospective participant selection and ranking to maximize actionable pharmacogenetic variants and discovery in the eMERGE Network. *Genome Medicine*. 2015;7(1):67. PMID: 26221186
38. Park A, **Hartzler AL**, Huh J, McDonald DW, Pratt W. Automatically detecting failures in natural language processing tools for online community text. *J Med Internet Res* 2015;17(8):e212. PMID: 26323337
39. Herr T, Bielinski S, Bottinger E, Brautbar A, Brilliant M, Chute CG, Cobb BL, Denny J, Freimth RR, **Hartzler A**, Kanry J, Kohane I, Kullo I, Lin S, Pathak J, Peissig P, Pulley J, Ralston J, Rasmussen L, Rodden D, Tromp G, Williams MS, Starren J. Practical considerations in genomic decision support: The eMERGE experience. *Journal of Pathology Informatics*. 2015;6:50. PMID: PMC462930
40. **Hartzler A**, Izard JP, Dalkin BL, Mikles S, Gore GL. Design and feasibility of integrating personalized PRO dashboards into prostate cancer care. *J Am Med Inform Assoc*. 2016 Jan;23(1):38-47. PMID: 26260247
41. Nayak J, **Hartzler AL**, Macleod LC, Izard JP, Dalkin BM, Gore JL. Relevance of graph literacy in the development of patient-centered communication tools. *Patient Educ Couns*. 2016 Mar;99(3):448-54. PMID:26481910
42. **Hartzler AL**, Taylor M, Park A, Griffiths T, Backonja U, McDonald DW, Wahbeh S, Brown C, Pratt W. Leveraging cues from person-generated health data for peer matching in online communities. *Journal of the American Medical Informatics Association*. 2016 May;23(3):496-507. PMID: 26911825.
43. Sanger P, **Hartzler AL**, Lordon RJ, Armstong CAL, Lober WB, Evans HL, Pratt W. A patient-centered system in a provider-centered world: challenges of incorporating post-discharge wound data into practice. *Journal of the American Medical Informatics Association*. 2016 May 1;23(3):514-25. PMID: 26977103
44. McClure JB, **Hartzler AL**, Catz SL. Design considerations for smoking cessation apps: feedback from nicotine dependence treatment providers and smokers. *JMIR mHealth and uHealth*. 2016 Jan;4(1). PMID: PMC4769359
45. **Hartzler AL**, Weis B, Cahill C, Pratt W, Park A, Backonja U, McDonald D. Design and usability of interactive user profiles for online health communities. *ACM Transactions on Computer-Human Interaction (ToCHI)*. 2016; 23(3): Article 15. doi:10.1145/290371
46. Sanger PC, van Ramshorst GH, Mercan E, Huang S, **Hartzler A**, Armstrong CA, Lordon RJ, Lober WB, Evans HL. A Prognostic Model of Surgical Site Infection Using Daily Clinical Wound Assessment. *Journal of the American College of Surgeons*. 2016 223(2): 259-270.
47. **Hartzler AL**, BlueSpruce J, Catz SL, McClure JB. Prioritizing the mHealth Design Space: A Mixed-Methods Analysis of Smokers' Perspectives. *JMIR mHealth and uHealth*. 2016 Jul;4(3). PMID 27496593
48. Park A, **Hartzler AL**, Huh J, Hsieh G, McDonald DW, Pratt W. "How Did We Get Here?": Topic Drift in

- Online Health Discussions. *Journal of Medical Internet Research*. 2016 Nov;18(11).
49. Rasmussen LV, Overby CL, Connolly J, Chute CG, Denny JC, Freimuth R, **Hartzler AL**, Holm IA, Manzi S, Pathak J, Peissig PL. Practical considerations for implementing genomic information resources. *Applied Clinical Informatics*. 2016;7(3):870-82.
 50. Sanger PC, Simianu VV, Gaskill CE, Armstrong CAL, **Hartzler AL**, Lordon RJ, Lober WB, Evans HL. Diagnosing Surgical Site Infection Using Wound Photography: a Scenario-Based Study. *Journal of the American College of Surgeons* 2017;224(1):8-15. PMID: 27746223 PMID: PMC5183503
 51. Lim C, Berry AB, Hirsch T, **Hartzler AL**, Wagner EH, Ludman E, Ralston JD. It just seems outside my health: How Patients with Chronic Conditions Perceive Communication Boundaries with Providers. In *Proceedings of the 2016 ACM Conference on Designing Interactive Systems 2016 Jun 4* (pp. 1172-1184). ACM.
 52. **Hartzler AL**, Venkatakrisnan A, Mohan S, Silva M, Lozano P, Ralston J, Ludman E, Rosenberg D, Newton KM, Nelson L, Pirolli P. Acceptability of a Team-based Mobile Health (mHealth) Application for Lifestyle Self-management in Individuals with Chronic Illnesses. *The 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society 2016 August 17-20, 2016; Orlando, FL*. p. 3277-81.
 53. Rosenberg D, Kadokura EA, Bouldin ED, Miyawaki CE, Higano Celestia S, **Hartzler AL**. Acceptability of Fitbit for physical activity tracking within clinical care among men with prostate cancer. *AMIA Annu Symp Proc 2016*: 1050-1059.
 54. Berry A, Lim Catherine, **Hartzler AL**, Hirsch T, Wagner EW, Ludman E, Ralston JR. How Values Shape Collaboration Between Patients with Multiple Chronic Conditions and Spousal Caregivers. *Proc 2017 SIGCHI Conference on Human Factors in Computing Systems (CHI'17)*, p. 5257-5270.
 55. Leppig KA, Thiese HA, Carrel D, Crosslin DR, Dorschner MO, Gordon AS, **Hartzler AL**, Ralston J, Larson EB, Jarvik GP. Building a Family Network from Genetic Testing. *Molecular Genetics*, 2017; 5(2):122-129.
 56. **Hartzler AL**, Osterhage K, Demisir G, Phealn EA, Thielke S, Turner AM. Understanding views on everyday use of personal health information: insights from community dwelling older adults. *Inform Health Soc Care 2017 Apr 11*: 1-14. PMID: 28399725
 57. Berry A, Lim C, **Hartzler AL**, Hirsch T, Ludman E, Wagner EH, Ralston J. Creating Conditions for Patients' Values to Emerge in Clinical Conversations: Perspectives of Health Care Team Members. *Designing Interactive Systems (DIS) 2017*, p. 1165-1174.
 58. LeRouge C, Hasselquist M, Kellogg L, Austin E, Fey BC, **Hartzler AL**, Flum DR, Lavallee D. Using Heuristic Evaluation to Enhance the Visual Display of a Provider Dashboard for Patient-Reported Outcomes. *eGEMS 2017 5(2): Article 6*. DOI: <https://doi.org/10.13063/2327-9214.1283>
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1. Snyder C, Wu A, et al. Users' Guide to Integrating Patient-Reported Outcomes in Electronic Health Records. May 2017. Available from: <https://www.pcori.org/sites/default/files/PCORI-JHU-Users-Guide-To-Integrating-Patient-Reported-Outcomes-in-Electronic-Health-Records.pdf>
2. Office of the National Coordinator for Health Information Services. Conceptualizing a Data Infrastructure for the Capture, Use, and Sharing of Patient-Generated Health Data in Care Delivery and Research through 2024. White paper prepared by Accenture Federal Services. Contract No. HHSP2332015000931, Order No. HHSP23337001T January 2018. (served as subject matter expert).
3. The Essential Guide to Older Adult-Centered Design: Supporting Personal Health Information Management. June 2020. <https://digital.ahrq.gov/ahrq-funded-projects/addressing-personal-health-information-management-needs-older-adults/citation/guidebook>
4. ePROS Toolkit June 2020. <http://epros.becertain.org/>

PATENTS

Chandrasekaran N, Czerwinski MP, **Hartzler AL**, Patel RA, Pratt WM, Roseway AJ, inventors; Microsoft Corp, assignee. Providing Feedback Pertaining to Communication Style. United States patent application US 13/803,164. 2014 Sep 18.

PRESENTATIONS

Conference presentations

1. *“Infant color vision: Spontaneous preferences versus novelty preferences as indicators of chromatic discrimination among suprathreshold stimuli”* Poster presentation at Vision Sciences Society (VSS), May 2003.
2. *“Online Health Information: Multiple Dimensions of Quality”* Poster presentation at the 11th World Congress on Medical Informatics (MEDINFO). 2004, San Francisco, CA.
3. *“Health information on the World Wide Web: A Multidimensional framework of Quality”* Poster presentation at National Library of Medicine Informatics Training Conference. 2004, Indianapolis, IN.
4. *“What Makes a Good Format: Frameworks for Evaluating the Effect of Graphic Risk Formats on Consumers’ Risk-Related Behavior”*. Poster presentation at the AMIA Annual Fall Symposium. October 2005, Washington, DC.
5. *“Supporting Consumers by Characterizing the Quality of Online Health Information: A Multidimensional Framework”* Paper presentation at the 39th Annual Hawaii International Conference on System Sciences (HICSS). January 2006, Kauai, HI.
6. *“Integrating Protocol Schedules with Patients’ Personal Calendars”*. Poster presentation at the AMIA Annual Fall Symposium. November 2006, Washington DC.
7. *“Exploring Personal Health Information Management”*. Presentation at the National Library of Medicine Informatics Training Conference 2006, Nashville, TN.
8. *“Personal Health Information Management: Consumers’ Perspectives”* Paper presentation at the AMIA Annual Fall Symposium. November 2006, Washington DC.
9. *“Threading Together Patient Expertise”*. Paper presentation at the AMIA Annual Fall Symposium. November 2007, Chicago, IL.
10. *“Understanding and facilitating patient expertise sharing”* Poster presentation at the NSF Biomedical Informatics Workshop. Menucha, OR. December 3-5, 2007.
11. *“Personal Information Management: Making Information Mine”* iEdge 2007, March 2007, Seattle, WA.
12. *“Better to Organize Personal Information by Folders Or by Tags?: The Devil Is in the Details”*. Paper presentation at the American Society for Information Science & Technology (ASIS&T) Annual Meeting. October 2008, Columbus, OH.
13. *“Locating Patient Expertise in Everyday Life”*. Paper presentation at the 2009 ACM International Conference on Supporting Group Work (GROUP’09). May, 2009, Sanibel Island, FL.
14. *“Bringing the field into focus: User-centered design of a patient expertise locator”* Poster presentation at the Workshop on Interactive Health Systems in Healthcare (WISH), April 2010, Atlanta, GA.
15. *“Bringing the field into focus: User-centered design of a patient expertise locator.”* Paper presentation at ACM SIGCHI Conference on Human Factors in Computing Systems (CHI’10). April 2010, Atlanta, GA.
16. *“Sharing is caring, but not error free: Transparency of granular controls for sharing personal health information in social networks”* Paper present at the AMIA Annual Fall Symposium. October 2011, Washington DC.
17. *“Brainstorming Design for Health: Helping Patients Utilize Patient-Generated Information on the Web”* Workshop presentation at ACM Conference on Computer Supported Cooperative Work (CSCW) 2012, Seattle WA February 2012. Bellevue, WA.
18. *“Enhancing communication after treatment: What cancer patients want from a quality of life dashboard.”* Poster presentation at the AMIA Annual Fall Symposium. October 2011, Washington DC.
19. *“Clinical integration of quality of life into cancer care: User-centered design and pilot testing of personalized dashboards.”* Poster presentation at the AMIA Annual Fall Symposium. November 2012, Chicago IL.
20. *“Peer mentoring: Mentor matching in peer health communities.”* Poster presentation at the AMIA Annual Fall Symposium. November 2012, Chicago IL.
21. *“Clinical integration of quality of life into cancer care: User-centered design and pilot testing of personalized dashboards.”* Poster presentation at the AMIA Annual Fall Symposium. November 2012, Chicago IL.

22. “EMR Integration” eMERGE II: Seattle Site Update.” eMERGE Steering Committee Meeting June 2013, Philadelphia PA.
23. “Guiding Carbamazepine prescribing with HLA*B1502: Use case & reflections of clinicians.” eMERGE Steering Committee Meeting, Joint Session with EHRI working group and CSER. October 2013, Bethesda.MD.
24. “It’s not about the alert: Informing genetically-guided decision support with human-centered design”. Poster presentation at the AMIA Annual Fall Symposium. November 2012, Washington DC.
25. “Genome-guided decision support: From provider needs to design principles” eMERGE Steering Committee Meeting June 2014, Seattle, WA.
26. “Defining Wellness Through the Voice of Community-Dwelling Older Adults” Gerontological Society of America (GSA) GSA's 67th Annual Scientific Meeting, November 2014, Washington DC.
27. “Evaluating health interest profiles extracted from patient-generated data” Paper presentation at the AMIA Annual Fall Symposium. November 2014, Chicago IL.
28. “Ethical considerations for social media research in consumer health” Panel Presentation at AMIA Annual Symposium November 2015, SanFrancisco, CA.
29. “Acceptability of a Team-based Mobile Health (mHealth) Application for Lifestyle Self-management in Individuals with Chronic Illnesses.” Paper presented at the 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), August 2016, Orlando, FL.
30. “Priorities for health-related use of personal data trails: Patients’ perspectives” Poster presentation at AMIA Annual Symposium, November 2016, Chicago, Ill.
31. “Acceptability of Fitbit for physical activity tracking within clinical care among men with prostate cancer” Paper presented at AMIA Annual Symposium, November 2016, Chicago, Ill.
32. “How will PRO Data be displayed in the EHR?” PCORI User’s Guide for Integrating Patient-Reported Outcomes in Electronic Health Records Meeting, Arlington VA. May 25-26, 2017.
33. “Design & usability of interactive profiles for online health communities”, ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'17). May 2017, Denver, CO.
34. “Designing tools for patient-reported outcome (PRO) reporting and visualization”. Workshop on “How health systems should be thinking about clinical integration of electronic patient report outcomes” at 2018 American Medical Informatics Association (AMIA) Annual Symposium. November 2018, San Francisco, CA.
35. “How do ePRO reports impact healthcare visits?” American Medical Informatics Association (AMIA) Annual Symposium Workshop on Incorporating Patient Voice into Clinical Care to Advance Learning Health Systems. November 2019, Washington DC
36. “Informatics & data governance opportunities for ePROs to advance health systems.” American Medical Informatics Association (AMIA) Annual Symposium Workshop on Incorporating Patient Voice into Clinical Care to Advance Learning Health Systems. November 2019, Washington DC
37. “Cognitive bias in patient-provider communication: Sensing and design to reduce health disparities.” ACM CHI 2020 CHI workshop on Detection and design for cognitive biases in people and computing systems.

Local/Regional Invited Presentations

1. “Bringing the field into focus: User-centered design of a patient expertise locator”, DUB seminar, University of Washington, March 2010. Seattle, WA.
2. “Bringing the field into focus: User-centered design of a patient expertise locator”, International Partnership for Health Informatics Education (IPHIE), University of Washington, June 2010. Seattle, WA.
3. “Matchmaking for Health: Facilitating mentoring in peer health communities through social matching” Poster presentation at the University of Washington iSchool Research Fair. Seattle, WA. November 2011.

4. “QOL Dashboard Evolution: From focus groups to QOL Tracker”. Invited talk for Prostate Cancer Resource Center Patient Advisory Board, Department of Urology, University of Washington, Seattle, WA. September 2012.
5. “Peer mentoring: Mentor matching in peer health communities”, Poster presentation at iSchool Research Fair, University of Washington, November 2012. Seattle, WA.
6. “Opening the black box: Designing and testing PGx Clinical Decision Support (CDS) for eMERGE” eMERGE All Staff Meeting. Group Health Research Institute, January 2013. Seattle, WA.
7. “Leveraging Big Data through Human-Computer Interaction in Health”. University of Tacoma, November 2013, Tacoma, WA.
8. “Genome-guided decision support: from provider needs to design principles.” eMERGE all staff meeting. Group Health Research Institute, December 2013. Seattle, WA.
9. “User-centered design: How to engage users in design of patient-centered technology” Surgical Outcomes Research Center, University of Washington, February 2014. Seattle, WA.
10. “Powerful patients: How user engagement with patient-centered technology can shape the future of health care” Invited presentation, Geisinger Health System, Danville, PA. February 26, 2014
11. “Powerful patients: How user engagement with patient-centered technology can shape the future of health care” Group Health Research Institute, Patient-centered Care Interest Group, May 26, 2014. Seattle, WA.
12. “User-centered design: How to personalize health information technology through stakeholder engagement.” Chase Alliance WIP University of Washington, Seattle, WA. April 20, 2015.
13. “If you build it will they come? Opportunities for consumer engagement in digital health.” Invited presentation, Washington Medical Librarians Association Meeting (WMLA). Kenmore, WA. July 24, 2015.
14. “Digital patient matching: Opportunities for building peer relationships in healthcare. Invited presentation, Artefact, Seattle WA. November 13, 2015.
15. “TrueNTH USA Self Management: User-centered design of PRO Dashboards for prostate cancer” Invited presentation, Movember Foundation TrueNTH User Experience and Design Meeting. Culver City, CA. December 8, 2015.
16. “Real-time feedback on Nonverbal Clinical Communication.” Group Health Research Institute. Seattle, WA. April 11, 2016.
17. “Real-time feedback on Nonverbal Clinical Communication.” Invited presentation, National Board of Medical Examiners. Philadelphia, PA. April 22, 2016.
18. “Social engagement in digital health: A Design perspective.” Sage Bionetworks, Seattle, WA. November 10, 2016.
19. “Enhancing patient-provider partnerships through the design of collaborative health technologies.” Biomedical Informatics and Medical Education, University of Washington, Seattle. WA. March 15, 2017.
20. “Enhancing patient-provider partnerships through the design of patient-centered technologies” Invited panel, Clinical Informatics and Patient-centered technologies (CIPCT) Annual Meeting, University of Washington, Seattle, WA. September 15, 2017
21. “Leveraging online health communities for peer mentorship” Invited talk, Symposium on Data Science for Healthcare (DaSH), The Leir Retreat Center, Ridgefield, Connecticut. October 20, 2017
22. “mHealth Teaming: Promoting walking in people with diabetes and depression through team-based peer support” Invited talk, DUB, University of Washington, Seattle, WA. November 22, 2017
23. “mHealth Teaming: Promoting walking in people with diabetes and depression through team-based peer support” Invited talk, Biobehavioral and Outcomes Research Group (BORG) seminar series, Fred Hutchinson Cancer Research Center, Seattle, WA Jan 17, 2018.
24. “Designing and testing informatics tools to aid prescribers in reducing anticholinergic (ACH) burden in older adults” AGING Initiative Steering Committee, Health Care Systems Research Network, April 25, 2018
25. “UnBIASED: Understanding Biased patient-provider Interaction And Supporting Enhanced Discourse” Information School Research Symposium, December 2019, University of Washington

National/International Invited Presentations

1. “*Designing from the inside out: Opportunities for patient engagement in ICT and mHealth.*” Invited keynote presentation at: Symposium on Information and Communication Technologies (ICT) and mobile health: Lessons learned and challenges for Latin American and the World Symposium, March 2015, Lima, Peru.
2. “*Leveraging cues from person-generated health data for peer matching in online communities*” Invited presentation at: AMIA Consumer and Pervasive Health Working Group Virtual Journal Club April 18, 2016.
3. “Holograms of Our Health – Next-Generation Enablers of Augmented Decision-making & Intelligent Research” (Invited panelist). 11th Annual AMIA Policy Invitational, Sept 27-28, 2017, Bethesda MD.

TEACHING RESPONSIBILITIES

2005	Guest lecture: “Visual formats for characterizing the quality of online health information.” MEBI 591, Biomedical and Health Informatics Colloquium, University of Washington School of Medicine.
2007	Guest lecture: “ <i>Supporting Consumers by Characterizing the Quality of Online Health Information: A Multidimensional Framework.</i> ” INSC 310, Individual Perspectives on Information Systems, University of Washington Information School.
2007	Instructor, MEBI 591, Personal Health Informatics Seminar, University of Washington
2007	Guest lecture: “ <i>Making information mine.</i> ” INSC 498, Special Topics in Informatics: Personal Information Management, University of Washington Information School.
2008	Guest lecture: “ <i>The Personal Health Approach to Health Informatics.</i> ” INSC 498, Special Topics in Informatics: Personal Information Management, University of Washington Information School.
2008	Guest lecture: “Qualitative methods: Insights from the field.” MEBI 537, Qualitative Methods in Biomedical and Health Informatics, Biomedical and Health Informatics, University of Washington School of Medicine.
2009	Instructor, MEBI 591, Collaborative technologies in Health Seminar, Biomedical and Health Informatics, University of Washington School of Medicine.
2009	Guest lecture: “When and how to use qualitative methods in biomedical informatics.” MEBI 537, Qualitative Methods in Biomedical and Health Informatics, University of Washington School of Medicine.
2010	Discussion group leader, Biomedical Research Integrity Program, University of Washington School of Medicine.
2010	Guest lecture: “ <i>Bringing the field into focus: User-centered design of a patient expertise locator.</i> ” INFX 598, Personal Health Informatics, University of Washington Information School.
2011	Guest lecture: “ <i>Internet as a research tool.</i> ” NMETH 583, Interpretive Methods in Nursing Research, University of Washington School of Nursing.
2012	Guest lecture: “ <i>Information sharing and collaborative technologies: The power of peer support in online health communities.</i> ” MEBI 591, Biomedical and Health Informatics Colloquium, University of Washington School of Medicine.
2012	Guest lecture: “ <i>Internet as a research tool.</i> ” NMETH 583, Interpretive Methods in Nursing Research, University of Washington School of Nursing.
2012	Co-Instructor, NMETH 527, Introduction to Medical Informatics, University of Washington School of Nursing.
2013	Internship supervisor, DES 495, Design Internship, University of Washington
2013	Guest lecture: “ <i>It's not about the alert: informing genetically guided decision support with human-centered design.</i> ” MEBI 591, Biomedical and Health Informatics Colloquium, University of Washington School of Medicine.

- 2014 Guest lecture: “*Powerful patients: Shaping the future of healthcare through user engagement in patient-centered technology.*” NMETH 526/MEBI 586 Patient-Centered Interactive Health Communication Technologies, Clinical Informatics and Patient-Centered technologies (CIPCT), University of Washington School of Nursing.
- 2015 Guest lecture: “*Design and feasibility of PRO dashboards for prostate cancer care.*” MEBI 590, Biomedical and Health Informatics Colloquium, University of Washington.
- 2016 Guest lecture: “*Social engagement in digital health: A Design perspective.*” MEBI 530, Introduction to Biomedical Informatics, University of Washington School of Medicine.
- 2017 Guest lecture: “An introduction to Personal Health Informatics.” MEBI 530, Introduction to Biomedical Informatics, University of Washington School of Medicine.
- 2018 Week-long workshop on “Human-centered design in health”, Cayetano Heredia University, Feb 11-15 2018, Lima Peru.
- 2018 Guest Lecture: “*Addressing patient experience through the design of collaborative health technologies*” MEBI 590, Biomedical and Health Informatics Colloquium, University of Washington School of Medicine.
- 2019 - 2019 NMETH 530 “Scholarly Proposal Development” Clinical Informatics and Patient-Centered Technologies Master Program, University of Washington School of Nursing
- 2019 - 2020 NMETH 520 “Scholarly Inquiry in Clinical Informatics” Clinical Informatics and Patient-Centered Technologies Master Program, University of Washington School of Nursing
- 2019 - Present BIME 498 “Informatics in Healthcare,” Department of Biomedical Informatics and Medical Education, University of Washington School of Medicine.
- 2020 – Present NSG 540/BIME 581 “Telehealth Systems and Applications” Clinical Informatics and Patient-Centered Technologies Master Program, University of Washington School of Nursing.

ADVISING & MENTORSHIP RESPONSIBILITIES

PhD Dissertation Committee Chair

- 2018 – Present Lauren Snyder Biomedical and Health Informatics, University of Washington
- 2018 – Present Savitha Sangameswaran Biomedical and Health Informatics, University of Washington
- 2018 – Present Ivan Rahmatullah Biomedical and Health Informatics, University of Washington

PhD Dissertation Committee member (*Reading committee)

- 2012 – 2015* Albert Park PhD, Biomedical and Health Informatics, University of Washington
- 2015 – 2017* Jordan Eschler, PhD The Information School, University of Washington
- 2017 – 2018* Yong Choi, PhD Biomedical and Health Informatics, University of Washington
- 2016 – 2019* Shefali Haldar, PhD Biomedical and Health Informatics, University of Washington
- 2017 – 2019* Andrew Berry, PhD Human-Centered Design and Engineering, University of Washington
- 2017 – 2019* Aven Samareh, PhD Industrial and Systems Engineering, University of Washington
- 2018 – 2019* Jim Phuong, PhC Biomedical and Health Informatics, University of Washington
- 2017 – 2020* Maher Khelifi, PhC Biomedical and Health Informatics, University of Washington

MS Chair

- 2018 – 2019 Lauren Mikell, RN, MS Clinical Informatics and Patient-Centered Technologies, UW
- 2018 – 2019 Micaela D’Avilar, BSN, MS Clinical Informatics and Patient-Centered Technologies, UW
- 2018 – 2019 Erin O’Hara, MD, Clinical Informatics and Patient-Centered Technologies, UW
- 2019 – 2020 Shayni Saftler RN, Clinical Informatics and Patient-Centered Technologies, UW
- 2019 – Present Daniel Phan RN, Clinical Informatics and Patient-Centered Technologies, UW
- 2019 – Present Megan Laine OD, Clinical Informatics and Patient-Centered Technologies, UW

MS Committee member

- 2018 – 2019 Nate Whetten, MS Clinical Informatics and Patient-Centered Technologies, UW
- 2018 – 2019 Amanda Cox, RN, MS Clinical Informatics and Patient-Centered Technologies, UW
- 2019 – 2019 Christopher Cabrerra, MS Clinical Informatics and Patient-Centered Technologies, UW
- 2018 – Present Jennifer Parkhurst, RN, Clinical Informatics and Patient-Centered Technologies, UW

2019 – Present Jayte Boehler, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Myra Davina, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Jennifer Garcia, RN, Clinical Informatics and Patient-Centered Technologies, UW

Postdocs and fellows

2014 – 2015 Jay Izard, MD, Research Fellow, Urology, University of Washington
 2015—2015 Jay Nayak, MD, Research Fellow, Urology, University of Washington
 2016 – 2017 Mathew Rivara, MD, Research Fellow, Nephrology, University of Washington
 2019 – Present Andrew Berry, PhD, NLM Postdoctoral Fellow, Biomedical Informatics and Medical Education, University of Washington

Academic advising and research mentoring (PhD, MS, and Undergraduate students)

PhD students

2011 – 2015 Albert Park, PhD, Biomedical and Health Informatics, University of Washington
 2012 – 2014 Shomir Chaudhuri, PhD, Biomedical and Health Informatics, University of Washington
 2012 – 2015 Patrick Sanger, PhD, Biomedical and Health Informatics, University of Washington
 2014 – 2016 Ross Lordon, PhD, Biomedical and Health Informatics, University of Washington
 2014 – 2016 Sean Mikles, PhD, Biomedical and Health Informatics, University of Washington
 2017 – Present Savitha Sangameswaran, PhD student, Biomedical and Health Informatics, UW
 2017 – Present Ivan Rhamatullah, PhD student, Biomedical and Health Informatics, UW
 2018 – Present Regina Perez Casanova, MS, PhD student, Biomedical and Health Informatics, UW
 2019 – Present Harsh Patel, PhD student, Biomedical and Health Informatics, UW
 2019 – 2019 Rafal Kocielnik, PhD student, Human-Centered Design & Engineering, UW
 2019 – Present Lauren Snyder, PhD student, Biomedical and Health Informatics, UW
 2019 – Present Nick Reid, PhD student, Biomedical and Health Informatics, UW

MS Students

2014 – 2014 Henrik Holm Christensen, MS, Masters Capstone advisee, Human-Centered Design & Engineering, University of Washington
 2015 – 2015 Jacqueline Fontaine, MS, Summer Intern, Health Informatics, University of Michigan
 2018 – 2018 Sonam Kaur, MS, Clinical Informatics and Patient-Centered Technologies, UW
 2018 – 2018 Matthew Binder, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2018 – 2019 Erin O'Hara, MD, Clinical Informatics and Patient-Centered Technologies, UW
 2018 – 2018 Anthony Crookes, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2018 – 2018 Grace Sandoval, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2018 – 2019 Amanda Messinger, MD, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2018 – 2019 Amanda Cox, RN, MS Clinical Informatics and Patient-Centered Technologies, UW
 2019 – 2019 Christopher Cabrerra, MS Clinical Informatics and Patient-Centered Technologies, UW
 2018 – Present Jennifer Parkhurst, RN, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Jayte Boehler, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Myra Davina, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Jennifer Garcia, RN, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Shayni Saftler, RN, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Olawunmi Ayakunle, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Lynn Bailey-Wysocki, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Brittaney Belyeu, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Megan Laine, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Anna Lorenzetto, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Natalia Mikhail, MS Student, Clinical Informatics and Patient-Centered Technologies, UW

2019 – Present Esther Oh, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Stanley Wang, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2019 – Present Fui Wei Yan, MS Student, Clinical Informatics and Patient-Centered Technologies, UW
 2020 – Present Madeline Lowry-Woods, MS Student, Clinical Informatics and Patient-Centered Technologies, UW

Undergraduate students

2005 – 2006 Amelia Lacenski, undergraduate advisee, iSchool University of Washington
 2005 – 2006 Grace Preyapongpisan, undergraduate advisee, iSchool University of Washington
 2012 – 2012 Priyanka Saha, undergraduate summer intern, MIT
 2012 – 2013 Carly Cahill, undergraduate advisee, Interaction design, University of Washington
 2012 – 2013 Bridget Weis, undergraduate advisee, Interaction design, University of Washington
 2014– 2015 Megan Taylor, undergraduate advisee, Human-Centered Design & Engineering, UW
 2014 – 2015 Troy Griffiths, undergraduate advisee, Informatics, University of Washington
 2018 – 2018 Shreya De, Undergraduate student intern, University of Washington
 2019 – 2019 Ayah Idris, Undergraduate student intern, Biomedical and Health Informatics, UW
 2019 – 2019 Alex Argyle, Undergraduate student intern, Human-Centered Design & Engineering, UW
 2019 – 2019 Darwin Jones, Undergraduate student intern, Biomedical and Health Informatics, UW
 2019 – Present Amelia Wang, Undergraduate advisee, Human-Centered Design & Engineering, UW
 2019 – Present Cezanne Lane, Undergraduate student intern, Biomedical and Health Informatics, UW
 2020 – Present Drishti Vidyarthi, Undergraduate student, The iSchool, UW
 2020 – Present Ayan Saraf, Undergraduate student intern, Biomedical and Health Informatics, UW

Junior Faculty Mentoring

2019 – Present Oleg Zaslavsky, PhD, MHA, RN, K Award Mentor, School of Nursing, UW
 2019 – Present Mersine Bryan, MD, MPH, K Award Mentor, Seattle Children’s Hospital Research Foundation
 2020 – Present Leah Marcotte, MD, K Award Mentor, K12 LHS Scholars Program (Kaiser Permanente Washington Health Research Institute), General Internal Medicine, University of Washington
 2020 – Present Kathleen Ramos, MD, MS, CRSP Award Mentor, Pulmonary Critical Care, and Sleep Medicine, University of Washington

RESEARCH FUNDING

Active

- 10/1/2019 – 9/30/2024 ***UnBIASED: Understanding Biased patient-provider Interaction And Supporting Enhanced Discourse (Hartzler, PI)***
 NIH National Library of Medicine R01LM013301-01 (\$3.7M)
 The goal of this project is to investigate a novel social signal processing approach to help reduce health disparities by improving patient-clinician communication and reduction of implicit bias for low income, racially diverse patients in primary care.
Role: Principal Investigator. I wrote the grant, lead an interdisciplinary team of researchers, developed the study design, and mentor students.
- 10/1/2018 – 9/30/2021 **Graphical Representations of Symptoms of Prostate Cancer (GRASP): Identifying Preferences for Quality of Life Dashboard Formats in an Underserved Prostate Cancer Population (Litwin, PI)**
 Department of Defense (DOD) (\$823,257)
 The goal of this project is to improve access and use of quality of life information for patients with limited literacy and numeracy through the design and evaluation of visual dashboards for men with prostate cancer.
Role: Co-Investigator. I contributed to the preliminary dashboard technology and design methodology used in this study and will led proposed work on design.

- 9/1/2018 – 8/31/2021 ***Seeing and Sharing What Matters: Personal Health Libraries for Individuals with Multiple Chronic Conditions (Ralston, PI)***
 NIH National Library of Medicine, R01LM012813-02 (\$1,626,463)
 The goal of this project is to design and evaluate an interactive visualization that links patients' values with their personal health information to promote self-management of multiple chronic conditions.
Role: Co-Investigator. I helped to develop the research design and write portions of the proposal, support work on prototype development and usability testing, and mentor postdoctoral, PhD, MS, and undergraduate students.
- 3/1/2020 – 2/28/2021 ***Feasibility of chatbot-facilitated social needs screening in the Emergency Department (Hsieh and Duber, Co-PIs)***
 ITHS Collaboration Innovation Award (\$50K)
 The goal of this project is to investigate the feasibility of implementing a chatbot for social needs screening at Harborview Medical Center's Emergency Department.
Role: Co-Investigator. I contributed to writing and preparing the grant, developed the study design, and service as a clinical research informatics liaison to the health care delivery system and clinical faculty.
- 10/1/18 – 6/30/2020 ***Enriching the University of Washington Biomedical and Health Informatics Training Program by engaging the next generation in data science coursework, career seminars, and research internships. Biomedical and Health Informatics Training Program -- Administrative Supplement (Tarczy-Hornoch, PI)***
 NIH National Library of Medicine (\$99,106)
Role: Co-Investigator. I contributed to writing and preparing the grant, lead the undergraduate internship program, and mentored undergraduate student interns.
- Completed**
- 8/1/2015 – 5/31/2020 ***Developing Design Principles to Integrate PROs into Clinical Practice through HIT: Data, User Experience, and Workflow Requirements for PRO Dashboards (Flum, PI)***
 Agency for Healthcare Research and Quality R01 HS023785 (\$2,445,560)
 The goal of this project is to employ systems engineering, human-centered design, and mixed methods research methods to develop design principles for health information technologies that enable healthcare practitioners to effectively integrate patient-reported outcomes (PROs) into patient care activities. This work will leverage the infrastructure of the Comparative Effectiveness Research Translation Network (CERTAIN) for statewide PRO collection focused on prostate cancer and spine surgery.
Role: Co-Investigator. As Co-I, I wrote two Specific Aims of the grant, and contribute to study design, data analysis and manuscripts, and serve as an advisor on human-centered design.
- 4/16/2018 – 12/31/2019 ***FAB: Design and feasibility of a FAcEBook fitness group for prostate cancer survivors (Hartzler, PI)***
 Fred Hutchinson Cancer Consortium (\$96,000)
 The goal of this project is to employ human-centered design to design ad pilot test a social-media based tool that encourages social support for physical activity among prostate cancer survivors.
Role: Principal Investigator. I wrote the grant, led an interdisciplinary team of researchers and technologists, engaged community groups, developed and carried out the study design, and mentored PhD and undergraduate students.

- 9/1/2015 - 5/31/2019 ***The Electronic Medical Records and Genomics (eMERGE) Network, Phase III (Jarvik & Larson, Co-PI)***
NIH National Human Genome Research Institute U01HG008657 (\$859,799)
This project involves implementing decision support, provider education, and return of results to integrate genomic medicine in clinical care and the electronic medical record.
Role: Co-Investigator. I investigated the design, implementation workflow, and technical infrastructure for return of genomic results into clinical care and the EHR via genome-guided decision support, and contributed to the EHR Integration Working Group of the eMERGE network.
- 3/1/2017 – 12/31/2018 ***Advancing feedback-informed Care for Depression (Beck, PI)***
Garfield Memorial Fund (\$384,385)
The goal of this project is to create data resources, analytic capability, and reporting tools to support and enhance feedback-informed care for depression through development of a national infrastructure.
Role: Co-Investigator. I led multi-site stakeholder engagement of organizational leadership across six health systems to inform the design, analyses, and implementation of reporting tools and assisted in writing reports and publications.
- 2/1/2016-1/31/2021 ***Training Clinicians in Implementation Research to Improve Alcohol-related Care (Bradley, PI)***
NIH National Institute of Alcohol Abuse and Alcoholism K24 AA022128 (\$167,086)
The goal of this project is to support mentoring of promising early stage clinician investigators in implementation research in medical settings while preparing to conduct innovative research aimed at understanding how to use evidence-based eHealth programs to support primary care teams and patients in managing alcohol use disorders.
Role: Key personnel. I provided mentoring, recommended reading, and consultation on human-centered design and evaluation of eHealth programs for alcohol use disorders.
- 9/8/2014 – 8/31/2018 ***Addressing the Personal Health Information Management Needs of Older Adults (Turner, PI)***
Agency for Healthcare Research and Quality R01 HS022106 (\$2,440,430)
The goal of this research is to investigate the personal health information management (PHIM) goals, activities and practices of older adults in a variety of living environments, and to identify design principles for the development of information technology (IT) applications which can better support them.
Role: Co-Investigator. I helped write the grant, led a focus group study, contributed to study design and data analyses, led and contributed to manuscripts, and helped mentor study staff and students.
- 4/25/2016 – 6/24/2021 ***A Targeted Approach to a Safer Use of Antipsychotics in Youth (Penfold, PI)***
National Institute of Mental Health HHSN271201600002C (\$1,152,765)
The goals of this project are to develop, pilot, test and assess the effectiveness of an algorithmic approach to the treatment of non-psychotic behavioral and mood disturbances of youth that minimizes antipsychotic exposure by using non-antipsychotic interventions first and, in case of use of antipsychotics, limiting their use to acute stabilization.
Role: Co-Investigator. I led human-centered design with clinicians and organizational leadership across four health systems to inform development of generalizable workflow and informatics tools to support implementation for a pragmatic trial.

- 12/1/2016 – 12/31/2017 ***Project Orca: Integrating Cost Communication into Clinical Care (Henrickson, PI)***
Robert Wood Johnson Foundation 74123 (\$214,977)
The goal of this project is to improve cost transparency in healthcare through development of information resources and workflow improvements by conducting an internal and external environmental scan, including patients and families, all staff who “touch” a patient’s journey to finding cost information.
Role: Co-Investigator. I helped write the grant, contributed to study design, study materials, data analysis, dissemination, and mentored research associates.
- 9/1/2014 – 8/31/2017 ***Understanding & Honoring Priorities in Patients with Multiple Chronic Conditions (Ralston, PI)***
Agency for Healthcare Research and Quality R01 HS022364 (\$383,420)
This project describes the core design elements of a shared and interactive priority plan for patients living with multiple chronic health conditions through two aims 1. Establish patient needs, preferences and capabilities for an interactive priority plan. 2. Evaluate the participatory design approach.
Role: Co-Investigator. I contributed to writing the grant, helped develop the study design, and contribute to data analysis and manuscripts, and mentored a PhD student, MS student, and research associate.
- 9/15/2016 – 8/31/2017 ***Designing and Testing an Informatics Tool to Aid Prescribers in Reducing Anticholinergic Burden in Older Adults (Gurwitz, PI)***
National Institute on Aging 3R24AG045050-03S1 (\$73,199)
The goal of this project is to design and test a tool that calculates and visually displays an alert of the cumulative anticholinergic burden from the patient’s currently used medications in the electronic health record. To best meet the needs of the end users of the tool, we will engage key stakeholders (e.g., physicians, pharmacists, IT leaders) throughout the design and testing process.
Role: Co-Investigator. I wrote the approach of the grant, developed the study design, led data collection and analysis, dissemination, and mentored a research associate.
- 1/1/2016 – 3/31/2017 ***Pilot testing an mHealth lifestyle intervention in patients with chronic conditions (Hartzler, PI)***
Group Health Research Institute Development Fund (\$100,857)
This project tested the feasibility and acceptability of a peer team-based mobile health application to facilitate walking over 8 weeks in a sample of 22 patients with diabetes and depression at Group health Cooperative.
Role: Principal Investigator. I wrote the grant, established partnership with collaborating Site Palo Alto research Center (PARC), led management of an 11-person team, developed study design, and led data analysis and manuscripts, and mentored research associates.
- 10/1/2014 – 12/31/2016 ***Novel Approaches to Management of High Risk Patients (Wagner, PI)***
Group Health Delivery System Innovations Fund (\$273,335)
This project employed population identification from utilization data, design thinking, experimentation and evaluation to improve management of high risk patients at Family Care Network.
Role: Key personnel. I contributed to human-centered design procedures, data analysis, and led a systematic literature review and manuscript on the role of lay health workers in primary care settings and related informatics gaps.

9/1/2011 – 8/30/2016 ***Matchmaking for health: Facilitating Mentoring in Peer Health Communities through Social Matching (Hartzler, Co-PI)***

NSF SCH 1117187 (\$529,999).

This project applied natural language processing and interface design to profile and recommend peer mentors to users in online health communities.

Role: Co-Principal Investigator. I wrote the grant proposal, established the project's industry partnership with CancerConnect.com, developed the research design, study materials and procedures, contributed to data collection, led data analysis, contributed to and led publications, led team meetings, and helped mentor 2 postdocs, a PhD student, a masters student and 4 undergraduate students.

10/1/2015 – 12/31/2015 ***Usability of an mHealth lifestyle intervention in patients with chronic conditions (Hartzler, PI)***

Group Health Research Institute Directors Fund (\$12,750)

This project tested the usability of a peer team-based mobile health application that promotes walking and healthy eating in 15 patients with depression or diabetes at Group health Cooperative.

Role: Principal Investigator. I wrote the grant, established partnership with collaborating site Palo Alto Research Center (PARC), developed study design, and led data collection, analysis, and manuscripts.

3/1/2015 – 12/31/2015 ***Ethics in the use of big consumer data: Patients' perspectives (Hartzler, PI)***

Group Health Research Institute Development Fund (\$37,314)

This project engaged patients in focus groups to investigate concerns and preferences for sharing their digital lifestyle, online and retail data trails for different health-related uses.

Role: Principal Investigator. I wrote the grant, managed a 5-person team, developed study design, and led data collection, analysis, and manuscripts, and mentored a masters student.

1/1/2015 – 12/31/2015 ***MobileQuit (McClure, PI)***

Group Health Research Institute Development Fund (\$36,765)

This project explored mobile health tools for smoking cessation using human-centered design methods.

Role: Co-Investigator. I developed the study design, led data collection and analysis through focus groups and an online survey, and led and contributed to manuscripts.

9/1/2014 – 8/31/2015 ***QOL Tracker - Development and Usability of QOL Tracker to Measure and Display Quality of Life Outcomes for Prostate Cancer Care (Gore, PI)***

Royalty Research Fund, University of Washington (\$40,000)

This project involved optimizing the design and usability of a tool for capturing and presenting patient reported outcomes in an interactive web-based tool for use by patients and providers.

Role: Co-Investigator. I wrote the approach of the grant, developed the study design, led data collection and analysis, and mentored a clinical fellow and a PhD student.

9/1/2012 – 7/31/2015 ***Genetic discovery and application in a clinical setting continuing a partnership (EMERGE II). (Jarvik & Larson, Co-PI)***

NHGRI 5U01HG006375 (\$5,270,269)

To advance personalized medicine-treatment and preventive care based on individual traits, this project matches small differences in DNA to infectious disease susceptibility and response to statins, serotonin-specific reuptake inhibitors (SSRIs) and blood pressure medications. Methods to use these

results in clinical care will be guided by focus groups of patients and caregivers in the patient-centered Group Health system.

Role: Key personnel. I applied user-centered design methods to understand and address needs for clinical integration of pharmacogenomics into clinical care and the EHR, led manuscripts, contributed to implementation of return of results and genome-guided decision support in Epic and clinical care, and contributed to manuscripts and artifacts with the EHR Integration Working Group of the eMERGE Network.

- 9/1/2014 – 6/30/2015 ***mPOWER: Mobile Post-Operative Wound Evaluator (Evans, PI)***
Surgical Infection Society Pilot Grant
This project developed infrastructure to implement a patient-centered mobile platform for managing surgical site infection.
Role: Co-Investigator. I wrote portions of the grant, developed the study design for platform development, assisted with data analysis and manuscripts, mentored two PhD students.
- 9/14/2014 – 3/31/2015 ***iH2O: Improving hypertension in disparity populations (Green, PI)***
Group Health Research Institute Development Fund (\$28,559)
This project supported formative work informing the development of interventions to improve hypertension control and decrease disparities in blood pressure control.
Role: Co-Investigator. I helped develop study design and grant writing involving human-centered design procedures.
- 2/1/2013 – 9/7/2014 ***SCOAP Certain: Surgical care and outcomes assessment program (Flum, PI)***
Life Sciences Discovery Fund (\$182,882)
This project expanded SCOAP program and promote participation by hospitals and payers to enhance highly accurate data demonstrating the resource use and cost savings due to SCOAP.
Role: Key personnel. I engaged stakeholders in the user-centered design of interactive visual displays of patient-reported spine surgery outcomes for health providers and administrators, and mentored a PhD student and a masters student.
- 1/2/2014 – 8/31/2014 ***Establishing quality of life outcomes and process measures for a Mobile Post-Operative Wound Evaluator (mPOWER) app for post-discharge surgical site infection (Evans, PI)***
ITHS Award, University of Washington (\$10,000)
This project applied a prospective survey to collect wound symptoms and patient experience form following hospital discharge after surgery.
Role: Co-Investigator. I helped write the grant, develop the study design, assisted with data analysis, and mentored two PhD students.
- 4/1/2013 – 8/31/2013 ***Development and Usability of QOL Tracker to Measure and Display Quality of Life Outcomes During Clinical Prostate Cancer Care (Gore, PI)***
SPORE Award, University of Washington (\$29,951)
This project engaged usability experts, patients, and health care providers in review and testing of an interactive web site for reporting and reviewing trends in quality of life outcomes following prostate cancer.
Role: Co-Investigator. I wrote portions of the grant, developed the study design, and assisted with data collection, analysis and manuscripts, and mentored PhD students.

- 1/2/2013 – 8/31/2013 ***mPOWER: Mobile Post-Operative Wound Evaluator (Evans, PI)***
 Commercialization Gap Fund, University of Washington (\$50,000)
 This project developed an infrastructure to implement a patient-centered mobile platform for managing surgical site infection.
Role: Co-Investigator. I assisted with proposal development, study design, participation in proposal “pitch” and dissemination.
- 3/4/2011 – 2/28/2013 ***Optimizing graphical representations of prostate cancer symptom burden: health literacy, numeracy, and preferences for graphical representations of symptoms following treatment (Gore, PI)***
 NCI/NIH R03CA158054 (\$156,000)
 This project applied user-centered design to engage patients and health care providers in development and pilot testing of dashboard displays of patient-reported outcomes for prostate cancer. Design concepts from this grant led to the development of a web platform that will be implemented at 15 US and 4 international sites.
Role: Co-Investigator. I wrote the approach of the grant, developed the research design, study materials and procedures, contributed to data collection, led data analysis, contributed to and led manuscripts, and mentored 2 clinical fellows, 2 residents, a PhD student, and 2 undergraduates.
- 4/1/2012 – 9/31/2012 ***Vietnam OpenELIS code merge” Association of Public health laboratories (Lober, PI)***
 APHL Subcontract
 This project engaged clinical lab specialists, technology developers, and informatics specialists from the US and Vietnam in the collaborative development of an open-source lab information system.
Role: Key personnel. I led stakeholder engagement and requirements specification for system development and implementation.
- 11/15/2011 - 8/31/2012 ***International Training and Education Center on HIV (Holmes, PI)***
 HRSA/PEPFAR, 6U69 GA 0004701
 This project engaged stakeholders in Haiti and Cote D’Ivoire in capacity building and implementation of lab information systems in resource-poor settings.
Role: Key personnel. I led stakeholder engagement and requirements specification, including site visits to Cote Ivoire, for system development and implementation in 2 low-income countries in Africa.
- 9/30/2011 – 12/31/2011 ***Innovative Approaches to Returning Results in Exome and Genome Sequencing Studies (Tabor, PI)***
 NIH/NHGRI R01 HG006618 (\$1,564,149)
 This project evaluated the effectiveness of a web portal for returning results from whole genome sequencing to research participants.
Role: Key personnel. I contributed to grant writing, study design, and design requirements.
- 4/1/2011 – 12/31/2011 ***Developing capacity for genomic medicine for the National Children’s Study (Bamshad, PI)***
 NICHD LOI3-RT-01-J
 This project applied iterative design to develop a web portal for returning results from whole genome sequencing to research participants.
Role: Key personnel. I led the interaction design of a web portal.

- 9/16/2007 – 9/15/2011 ***Managing health information in your life (Pratt, PI)***
NIH/NLM R01LM009143 (\$1,473,070)
This project applied qualitative fieldwork and participatory design to understand and address the personal health information management needs of cancer patients through a web-based mobile platform.
Role: Key personnel. I helped write the grant, contributed to study design, led and contributed to data collection and analysis for multiple studies, led and contributed to multiple manuscripts.
- 1/1/2007 – 9/15/2007 ***Making information mine: "Placing" vs. "tagging" as models for structuring personal information collections (Jones, PI)***
Google Award
This project investigated the effectiveness of strategies for organizing personal information over time through user studies.
Role: Key Personnel. I helped write the grant and led data collection, analysis, and a manuscript.