Katrina A.B. Goddard, PhD

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PROFESSIONAL EXPERIENCE

Division of Cancer Control and Population Sciences, National Cancer Institute, Rockville, MD **2021-present**
Director

Center for Health Research, Kaiser Permanente Northwest, Portland, OR **2007-2021**
Positions: Director, Translational and Applied Genomics (2019 – 2021)
Associate Director, Science Programs (2017 – 2021)
Distinguished Investigator (2018-2021)
Senior Investigator (2007 – 2017)
Director of Bio-Repositories & Founding Director of NW Biobank (2008 – 2014)

Dept. of Molecular & Medical Genetics, Oregon Health & Sciences University, Portland, OR **2008-2021**
Affiliate Associate Professor

Office of Public Health Genomics, Centers for Disease Control and Prevention, Atlanta, GA **2006-2007**
Mid-Career Fellow in Genetics & Public Health Research and Practice

Department of Epidemiology & Biostatistics, Case Western Reserve University, Cleveland, OH **1999-2007**
Positions: Associate Professor (2005 – 2007)
Assistant Professor (1999 – 2005)

PREVIOUS RELEVANT EXPERIENCE

Graduate Research Assistant, University of Washington, Seattle, WA 1992 – 1999
Instructor, University of Washington, Seattle, WA 1997
Teaching Assistant, University of Washington, Seattle, WA 1995 - 1996

EDUCATION

PhD in Biostatistics, University of Washington School of Public Health, Seattle, WA, 1999
MS in Biostatistics, University of Washington School of Public Health, Seattle, WA, 1995
BS with Honors in Molecular Biology, University of Wisconsin-Madison, Madison, WI, 1990

SELECTED STATE OR NATIONAL SERVICE

Chair, External Advisory Panel, eMERGE, National Human Genome Research Institute, 2020–2021
Member, ASHG Government & Public Advocacy Committee, 2019 - 2021
Section Editor, Public Health, Epidemiology & Personalized Medicine, Genetics in Medicine, 2019 - present
Board of Directors, American Society of Human Genetics, 2018 - 2020
Chair, Clinical Genome (ClinGen) Consortium, National Human Genome Research Institute, 2018 - 2019
Member, IGNITE & Beyond Workshop Planning Committee, National Human Genome Research Institute, 2016
Chair, Clinical Sequencing Exploratory Research Consortium, National Human Genome Research Institute, 2015
External Advisory Panel, IGNITE Consortium, National Human Genome Research Institute, 2014 - 2017
Board of Directors, International Genetic Epidemiology Society, 2010 - 2013
Member, Oregon Legislative Advisory Committee on Genetic Privacy & Research, 2009 - 2011
Chair, Ethical, Legal, and Social Issues Committee, International Genetic Epidemiology Society, 2006 - 2010
Member, Scientific Program Committee, International Genetic Epidemiology Society, 2006 - 2009
Review panel member, Center for Scientific Review, National Institutes of Health, 2002 - present

SELECTED NATIONAL RECOGNITION AND INVITED PRESENTATIONS

Genetics Screening Approaches for Disease Prediction, Prevention, and Therapy. **30th Annual Meeting of the German Society of Human Genetics**, Weimer, Germany, 2019.
Clinical Exome Sequencing in Adults at Risk for Hereditary Cancer Syndromes: The CHARMed Experience. **Cleveland Institute for Computational Biology**, Cleveland, OH, 2019
Genomic Programs in Health Systems, Genomics Roundtable Workshop, **National Academy of Sciences**, 2017
CSER: Veni, Vidi, and a Roadmap to Vici, **National Human Genome Research Institute**, 2015
Assessing Genomic Sequencing Information for Health Care Decision Making, **Institute of Medicine**, 2014
Trends in 21st Century Epidemiology, **National Cancer Institute**, 2012
Study Methodology for Diagnostics in the Postmarket Setting, **Food & Drug Administration**, 2011
Epidemiology and Genetics Research Program Visiting Scholars, **National Cancer Institute**, 2010
Direct-to-Consumer Genetic Testing, A Cross-Academies Workshop, **Institute of Medicine**, 2009
Direct-to-Consumer Genetic Testing, **Secretary's Advisory Committee on Genes, Health, & Society**, 2007
Kavli Fellow, Japanese-American Frontiers of Science, **National Academy of Sciences**, 2006

PUBLICATIONS

1. Kauffman TL, Dickerson JF, Lynch FL, Leo MC, Shuster E, Wilfond BS, Himes P, Gilmore MJ, Rollins NJ, **Goddard KAB**. Impact of Expanded Carrier Screening on Healthcare Utilization. *Am J Managed Care* [in press]
2. Mittendorf KF, Ukaegbu C, Gilmore MJ, Lindberg NM, Kauffman TL, Eubanks DJ, Shuster E, Allen J, McMullen C, Feigelson HS, Anderson KP, Leo MC, Hunter JE, Sasaki SO, Zepp JM, Syngal S, Wilfond BS, **Goddard, KAB**. Adaptation and early implementation of the PREdiction model for gene mutations ($PREMM_5$™) for lynch syndrome risk assessment in a diverse population. *Fam Cancer* 2021. PMID: 33754278
3. Wand H, Lambert SA, Tamburro C, Iacocca MA, O'Sullivan JW, Sillari C, Kullo IJ, Rowley R, Dron JS, Brockman D, Venner E, McCarthy MI, Antoniou AC, Easton DF, Hegele RA, Khera AV, Chatterjee N, Kooperberg C, Edwards K, Vlessis K, Kinnear K, Danesh JN, Parkinson H, Ramos EM, Roberts MC, Ormond KE, Khoury MJ, Janssens ACJW, **Goddard KAB**, Kraft P, MacArthur JAL, Inouye M, Wojcik G. Improving reporting standards for polygenic scores in risk prediction studies. *Nature* 2021 Mar; 591 (7849):211-219. PMID:33692554
4. Riddle L, Amendola LM, Gilmore MJ, Guerra C, Biesecker B, Kauffman TL, Anderson K, Rope AF, Leo MC, Caruncho M, Jarvik GP, Wilfond B, **Goddard KAB**, Joseph G, Development and early implementation of an Accessible, Relational, Inclusive, and Actionable approach to genetic counseling: The ARIA model. *Patient Educ Couns* 2020 Dec 23. PMID: 33549385
5. **Goddard KAB**, Angelo F, Ackerman S, Berg J, Biesecker B, Danila M, East K, Hindorff L, Horowitz C, Hunter J, Galen J, Knight S, McGuire A. Lessons learned about harmonizing survey measures for the CSER consortium. *J Clin Translational Science* 2020 Apr 24; 4(6):537-546. PMCID: PMC8057449
6. Kraft SA, Rothwell E, Shah SK, Duenas DM, Lewis H, Muessig K, Opel DJ, **Goddard KAB**, Wilfond BS. Demonstrating 'respect for persons' in clinical research: findings from qualitative interviews with diverse genomics research participants. *J Med Ethics* 2020 Oct 6. PMCID: PMC8021602
7. Kraft SA, Porter KM, Duenas DM, Guerra C, Joseph G, Lee SS, Shipman KJ, Allen JM, Eubanks D, Kauffman TL, Lindberg NM, Anderson K, Zepp JM, Gilmore MJ, Mittendorf KF, Shuster E, Muessig KR, Arnold B, **Goddard KAB**, Wilfond BS. Participant reactions to a literacy-focused, web-based informed consent approach for a clinical genomic implementation study. *AJOB Empirical Bioethics* 2020 Sep 26;1-11. PMID: 32981477
8. Freed AS, Gruß I, McMullen CK, Leo MC, Kauffman TL, Porter KM, Muessig KR, Eubanks D, **Goddard KAB**, Wilfond BS, Liles EG. A decision aid for additional findings in genomic sequencing: Development and pilot testing. *Patient Educ Couns*. 2020 Nov 6:S0738-3991(20)30602-9. Epub ahead of print. PMID: 33191058.
9. Waltz M, Meagher KM, Henderson GE, **Goddard KAB**, Muessig K, Berg JS, Weck KE, Cadigan RJ. Assessing

the implications of positive genomic screening results. *Personalized Medicine* 2020 Mar;17(2):101-109. PMCID: PMC7147673
10. Naber SK, Kundu S, Kuntz KM, Dotson D, Williams MS, Zauber AG, Calonge N, Zallen DT, Ganiats TG, Whitlock EP, Webber EM, **Goddard KAB**, Henrikson NB, van Ballegooijen M, Janssens CJW, Lansdorp-Vogelaar I. Cost-effectiveness of risk-stratified colorectal cancer screening based on polygenic risk: Current status and future potential. *JNCI Cancer Spectrum* 2020 Feb;4(1): pkz086. PMCID: PMC6988584
11. Kraft S, McMullen C, Lindberg N, Bui D, Shipman K, Anderson K, Joseph G, Duenas D, Porter K, Kauffman TL, Koomas A, Ransom CL, Jackson P, **Goddard KAB**, Wilfond BS, Lee SS. Integrating stakeholder feedback in translational genomics research: an ethnographic analysis of a study protocol's evolution. *Genet Med* 2020 Jun;22(6):1094-1101. PMCID: PMC7275883
12. Mittendorf KF, Hunter JE, Schneider JL, Shuster E, Rope AF, Zepp J, Gilmore MJ, Muessig KR, Davis JV, Kauffman TL, Bergen KM, Wiesner GL, Acheson LS, Peterson SK, Syngal S, Reiss JA, **Goddard KAB**. Recommended care and care adherence following a diagnosis of Lynch syndrome: A mixed-methods study. *Hereditary Cancer in Clinical Practice* 2019 Dec 16;17:31. PMCID: PMC6915941
13. Paquin RS, Mittendorf KF, Lewis MA, Hunter JE, Lee K, Berg JS, Williams MS, Goddard KAB. Expert and lay perspectives on burden, risk, tolerability, and acceptability of clinical interventions for genetic disorders. *Genet Med* 2019 Nov;21(11):2561-2566. PMCID: PMC6815237
14. Clarke EV, Muessig KR, Zepp JM, Hunter JE, Syngal S, Acheson LS, Wiesner GL, Peterson SK, Bergen KM, Shuster E, Davis JV, Schneider JL, Kauffman TL, Gilmore MJ, Reiss JA, Rope AF, Cook JE, **Goddard KAB**. Implementation of a systematic tumor screening program for Lynch Syndrome in an integrated health care setting. *Familial Cancer* 2019 Jul;18(3):317-325. PMCID: PMC6685685
15. Horowitz CR, Orlando LA, Slavotinek AM, Peterson J, Angelo F, Biesecker B, Bonham VL, Cameron LD, Fullerton SM, Gelb BD, **Goddard KAB**, Hailu B, Hart R, Hindorff LA, Jarvik GP, Kaufman D, Kenny EE, Knight SJ, Koenig BA, Korf BR, Madden E, McGuire AL, Ou J, Wasserstein MP, Robinson M, Leventhal H, Sanderson SC. The genomic medicine integrative research framework: A conceptual framework for conducting genomic medicine research. *Am J Hum Genet* 2019 June 6;104(6):1088-1096. [Epub 2019 May 16] PMCID: PMC6556906
16. Amendola LM, Berg JS, Horowitz CR, Angelo F, Benson JT, Biesecker BB, Biesecker LG, Cooper GM, East K, Filipski K, Fullerton SM, Gelb BD, **Goddard KAB**, Hailu B, Hart R, Hassmiller Lich K, Joseph G, Kenny EE, Koenig BA, Knight SJ, Kwok PY, Lewis KL, McGuire AL, Norton ME, Ou J, Parsons DW, Powell BC, Risch N, Robinson M, Rini C, Scollon S, Slavotinek AM, Veenstra DL, Wasserstein M, Wilfond BS, Hindorff LA, Plon SE, Jarvik GP. The clinical sequencing evidence-generating research (CSER) consortium: Integrating genomic sequencing in diverse and medically underserved populations. *Am J Hum Genet* 2018 Sept 6;103(3):319-327. PMCID: PMC6128306
17. Rope A, Kauffman T, Himes P, Amendola L, Punj S, Akkari Y, Potter A, Davis JV, Schneider J, Reiss JA, Gilmore MJ, McMullen CK, Nickerson DA, Richards CS, Jarvik GP, Wilfond BS, **Goddard KAB**. A case for expanding carrier testing to include actionable X-linked disorders. *Clinical Case Reports* 2018 Sep 19;6(11):2092-2095. PMCID: PMC6230667
18. Webber EM, Hunter JE, Lee K, Lindor N, Martin CL, Milosavljevic A, Mittendorf K, Muessig M, O'Daniel J, Patel R, Ramos EM, Rego S, Slavotinek A, Sobriera N, Weaver M, Williams MS, Biesecker LG, Buchanan A, Clarke E, Currey E, Dagan-Rosenfeld O, **Goddard KAB**, Evans JP. Evidence-based assessments of clinical actionability in the context of secondary findings: Updates from ClinGen's actionability working group. *Hum Mutat* 2018 Nov;39(11):1677-1685. PMCID: PMC6211797
19. Hart MR, Biesecker BB, Amendola LM, Bergstrom KL, Biswas S, Blout CL, Bowling KM, Brothers KB, Christensen KD, Conlin LK, Cooper GM, Dulik MC, East KM, Everett JN, Ghazani AA, Gilmore M, **Goddard KAB**, Jarvik GP, Kauffman TL, Kaufman D, Kelley WV, Krier JB, Lewis KL, McGuire AL, McMullen C, Ou J, Plon S, Rehm H, Richards CS, Romasko EJ, Sagardia AM, Spinner NB, Thompson ML, Turbitt E, Vassy JL, Wilfond BS, Biesecker LG, Green RC, Veenstra DL, Berg JS, Hindorff LA. Secondary findings from clinical genomic sequencing: Prevalence, patient perspectives, family history assessment, and healthcare costs

from a multi-site study. *Genet Med* 2019 May;21(5):1100-1110. PMCID: PMC6450774
20. Kraft SA, Duenas D, Wilfond BS, **Goddard KAB**. The evolving landscape of expanded carrier screening: Challenges and opportunities. *Genet Med* 2019 May 21: 790-797. PMCID: PMC6752283
21. Porter K, Kauffman T, Koenig B, Lewis K, Rehm H, Richards CS, Strande N, Tabor H, Wolf S, Yang Y, Amendola L, Azzariti D, Berg J, Bergstrom K, Biesecker L, Biswas S, Bowling K, Chung W, Clayton E, Conlin L, Cooper G, Dulik M, Garraway L, Ghazani A, Green R, Hiatt S, Jamal S, Jarvik GP, **Goddard KAB**, Wilfond B, members of the CSER Actionability and Return of Results Work Group. Approaches to carrier testing and results disclosure in translational genomics research: The clinical sequencing exploratory research consortium experience. *Molecular Genetics & Genomic Medicine* 2018 Aug 21. PMCID: PMC6305639
22. Clarke EV, Schneider JL, Lynch F, Kauffman TL, Leo MC, Rosales AG, Dickerson JF, Shuster E, Wilfond B, **Goddard KAB**. Assessment of willingness to pay for expanded carrier screening among women and couples undergoing preconception carrier screening. *J Med Genet* 2018;PLoS ONE 13(7):e0200139. PMCID: PMC6051630
23. Schneider JL, **Goddard KAB**, Muessig KR, Davis JV, Rope AF, Hunter JE, Peterson SK, Acheson LS, Syngal S, Wiesner GL, Reiss JA. Patient and provider perspectives on adherence to and care coordination of Lynch syndrome surveillance recommendations: findings from qualitative interviews. *Hered Cancer Clin Pract* 2018 May 10. PMCID: PMC5946437
24. Butterfield RM, Evans JP, Rini C, Kuczynski K, Waltz M, Cadigan RJ, **Goddard KAB**, Muessig KR, Henderson GE. Returning negative results to individuals in a genomic screening program: Lessons learned. *Genet Med* 2019 Feb;21(2):409-416 [Epub 2018 June 6] PMID: 29875426
25. Punj S, Akkari Y, Huang J, Yang F, Creason A, Pak C, Potter A, Dorschner MO, Nickerson DA, Robertson PD, Jarvik GP, Amendola LM, Schleit J, Simpson DK, Rope AF, Reiss J, Kauffman T, Gilmore MJ, Himes P, Wilfond B, **Goddard KAB**, Richards CS. Preconception Carrier Screening by Genome Sequencing: Results from the Clinical Laboratory. *Am J Hum Genet* 2018 May 3. pii: S0002-9297(18)30136-8. [Epub 2018 May 3] PMCID: PMC5992121
26. Wilfond BS, Kauffman TL, Jarvik GP, Reiss JA, Richards CS, McMullen C, Gilmore M, Himes P, Kraft SA, Porter KM, Schneider JL, Punj S, Leo MC, Dickerson JF, Lynch FL, Clarke E, Rope AF, Lutz K, **Goddard KAB**. Lessons Learned From A Study Of Genomics-Based Carrier Screening For Reproductive Decision Making. *Health Aff (Millwood)* 2018 May;37(5):809-816. PMID: 29733724
27. Kraft SA, Schneider JL, Leo MC, Kauffman TL, Davis JV, Porter KM, McMullen CK, Wilfond BS, **Goddard KAB**. Patient actions and reactions after receiving negative results from expanded carrier screening. *Clin Genet* 2018 May;93(5):962-971. PMCID: PMC5899643
28. Lynch FL, Himes P, Gilmore MJ, Morris E, Kauffman TL, Shuster E, Wilfond BS, Reiss JA, Dickerson J, Leo MC, Schneider J, Davis J, McMullen C, **Goddard KAB**. Time costs for genetic counseling in preconception screening with genome sequencing. *J Genet Couns* 2018 Feb 8. [Epub 2018 Feb 8] PMCID: PMC6061093
29. Christensen KD, Bernhardt BA, Jarvik GP, Hindorff LA, Ou J, B Biswas S, Powell BC, Grundmeier RW, Machini K, Karavite DJ, Pennington JW, Krantz ID, Berg JS, **Goddard KAB**. Anticipated responses of early adopter genetic specialists and nongenetic specialists to unsolicited genomic secondary findings. *Genet Med* 2018 Oct;20(10):1186-1195. PMCID: PMC6103906
30. Kraft SA, McMullen CK, Porter KM, Kauffman TL, Davis JV, Schneider JL, **Goddard KAB**, Wilfond BS. Patient perspectives on the use of categories of conditions for decision making about genomic carrier screening results. *Am J Med Genet Part A* 2018 Feb;176(2):376-385. PMID: 29250907
31. Naber SK, Kuntz KM, Henrikson NB, Williams MS, Calonge N, **Goddard KAB**, Zallen DT, Ganiats TG, Webber EM, Janssens ACJW, van Ballegooijen M, Zauber AG, Lansdorp-Vogelaar I. Cost Effectiveness of Age-Specific Screening Intervals for People with Family Histories of Colorectal Cancer. *Gastroenterology* 2018 Jan;154(1):105-116.e20. [Epub 2017 Sep 27] PMCID: PMC6104831
32. Cadigan RJ, Butterfield R, Rini C, Waltz M, Kuczynski KJ, Muessig K, **Goddard KAB**, Henderson GE. Online education and e-consent for GeneScreen, a preventive genomic screening study. *Public Health Genomics* 2017;20(4):235-246. PMCID: PMC5698149

33. Kauffman TL, Irving SA, Leo MC, Gilmore MJ, Himes P, McMullen CK, Morris E, Schneider J, Wilfond BS, **Goddard KAB**. The NextGen Study: Patient motivation for participation in genome sequencing for carrier status. *Mol Genet Genomic Med* 2017 Jul 2;5(5):508-515. PMCID: PMC5606895
34. Hunter JE, Arnold KA, Cook JE, Zepp J, Gilmore MJ, Rope AF, Davis J, Bergen KM, Esterberg E, Muessig KR, Peterson SK, Syngal S, Acheson L, Wiesner G, Reiss J, **Goddard KAB**. Universal screening for Lynch syndrome among patients with colorectal cancer: Patient perspectives on screening and sharing results with at-risk relatives. *Fam Cancer* 2017 Jul;16(3):377-387. PMID: 28176204
35. Himes P, Kauffman TL, Muessig KR, Amendola L, Berg JS, Dorschner MO, Gilmore M, Nickerson DA, Reiss JA, Richards CS, Rope AF, Simpson DK, Wilfond BS, Jarvik GP, **Goddard KAB**. Genome sequencing and carrier testing: Decisions on categorization and whether to disclose results of carrier testing. *Genet Med* 2017 Jul;19(7):803-808. PMCID: PMC5509491
36. O'Daniel JM, McLaughlin HM, Amendola LM, Bale SJ, Berg JS, Bick D, Bowling KM, Chao EC, Chung WK, Conlin LK, Cooper GM, Das S, Deignan JL, Dorschner MO, Evans JP, Ghazani AA, **Goddard KA**, Gornick M, Farwell Hagman KD, Hambuch T, Hegde M, Hindorff LA, Holm IA, Jarvik GP, Knight Johnson A, Mighion L, Morra M, Plon SE, Punj S, Richards CS, Santani A, Shirts BH, Spinner NB, Tang S, Weck KE, Wolf SM, Yang Y, Rehm HL. A survey of current practices for genomic sequencing test interpretation and reporting processes in US laboratories. *Genet Med* 2017 May;19(5):575-582. PMCID: PMC5415437
37. Gilmore MJ, Schneider J, Davis JV, Kauffman TL, Leo MC, Bergen K, Reiss JA, Himes P, Morris E, Young C, McMullen C, Wilfond BS, **Goddard KA**. Reasons for Declining Preconception Expanded Carrier Screening Using Genome Sequencing. *J Genet Couns* 2017 Mar 17. PMCID: PMC5601030
38. Kauffman TL, Wilfond BJ, Jarvik GP, Leo MC, Lynch FL, Reiss JA, Richards CS, McMullen C, Nickerson D, Dorschner MO, **Goddard KAB**. Design of a randomized controlled trial for genomic carrier screening in healthy patients seeking preconception genetic testing. *Contemporary Clinical Trials* 2017;53:100-105. PMCID: PMC5274557
39. Green RC, **Goddard KAB**, Amendola LM, Appelbaum PS, Berg JS, Bernhardt BA, Biesecker LG, Biswas S, Blout CL, Bowling KM, Brothers KB, Burke W, Caga-Anan CF, Chinnaiyan AM, Chung WK, Clayton EW, Cooper GM, East K, Evans JP, Fullerton SM, Garraway LA, Garrett JR, Gray SW, Henderson GE, Hindorff LA, Holm IA, Lewis MH, Hutter CM, Janne PA, Joffe S, Kaufman D, Knoppers BM, Koenig BA, Krantz ID, Manolio T, McCullough L, McEwen J, McGuire A, Muzny D, Myers RM, Nickerson DA, Ou J, Parsons DW, Petersen GM, Plon SE, Rehm HL, Roberts JS, Robinson D, Salama J, Scollon S, Sharp RR, Shirts B, Spinner NB, Tabor HK, Tarczy-Hornoch P, Veenstra DL, Wagle N, Weck K, Wilfond BS, Wilhelmsen K, Wolf SM, Wynn J, Yu JH, for the CSER Consortium. Clinical Sequencing Exploratory Research Consortium: Accelerating evidence-based practice of genomic medicine. *Am J Hum Genet* 2016 Jun 2;98(6):1051-66. PMCID: PMC4908179
40. Hunter JE, Irving SI, Biesecker LG, Buchanan A, Jensen B, Lee K, Martin CL, Milko L, Muessig K, Niehaus AD, O'Daniel J, Piper MA, Ramos EN, Schully SD, Scott AF, Slavotinek A, Sobreira N, Strande N, Weaver W, Webber EM, Williams MS, Berg JS, Evans JP, **Goddard KAB**, on behalf of the ClinGen Resource. A standardized, evidence-based protocol to assess clinical actionability of genetic disorders associated with genomic variation. *Genet Med* 2016 Dec;18(12):1258-1268. PMCID: PMC5085884
41. Korngiebel DM, McMullen C, Amendola L, Berg J, Davis JV, Gilmore MJ, Harding C, Himes PN, Jarvik G, Kauffman TL, Kennedy K, Kostiner-Simpson D, Leo MC, Lynch F, Neil N, Quigley D, Reiss JA, Richards CS, Rope A, Schneider JL, **Goddard KAB**, Wilfond BS. Generating a taxonomy for genetic conditions relevant to reproductive planning. *American Journal of Medical Genetics* 2016 Mar;170(3):565-73. PMCID: PMC4860293
42. Leo MC, McMullen C, Wilfond BS, Lunch F, Reiss JA, Gilmore MJ, Himes P, Kauffman TL, Davis JV, Jarvik GP, Berg JS, Harding C, Kennedy K, Kostiner-Simpson D, Quigley D, Richards CS, Rope AF, **Goddard KAB**. Patients' ratings of genetic conditions validate a taxonomy to simplify decisions about preconception carrier screening via genome sequencing. *Am J Med Genet A* 2016 Mar;170(3):574-82. PMCID: PMC4824299

43. Schneider JL, **Goddard KAB**, Davis J, Wilfond B, Kauffman TL, Reiss JA, Gilmore M, Himes P, Lynch FL, Leo MC, McMullen C. "Is it worth knowing? Focus group participants' perceived utility of genome-scale preconception carrier screening." *J Genet Couns* 2016 Feb;25(1):135-45. PMCID: PMC4726717
44. Schneider JL, Davis J, Kauffman T, Reiss JA, McGinley C, Arnold K, Gilmore M, Muessig K, Sygnal S, Acheson L, Wiesner G, Peterson S, **Goddard KAB**. Stakeholder perspectives on implementing a universal Lynch syndrome screening program: A qualitative study of early barriers and facilitators. *Genetics in Medicine* 2016 Feb;18(2):152-61. PMCID: PMC4608844
45. Hunter JE, Zepp J, Gilmore M, Davis J, Esterberg E, Muessig KR, Peterson SK, Syngal S, Acheson L, Wiesner G, Reiss J, **Goddard KAB**. Universal tumor screening for Lynch syndrome: Assessment of colorectal cancer patient perspectives on benefits and barriers. *Journal of Clinical Oncology* 2015 Sep 15;121(18):3281-9. PMCID: PMC4560979
46. Henrikson NB, Webber E, **Goddard KAB**, Scrol A, Piper M, Williams MS, Zallen DT, Calonge N, Ganiats TG, Janssens ACJW, Zauber A, Lansdorp-Vogelaar I, van Ballegooijen M, Whitlock E. Family history and the natural history of colorectal cancer: Systematic review. *Genet Med* 2015 Sep 2;17(9):702-712. PMCID: PMC4955831
47. Wilfond B, **Goddard KAB**. It's complicated: Criteria for policy decisions for the clinical integration of genome scale sequencing for reproductive decision-making. *Molecular Genetics and Genomic Medicine* 2015 Jul;3(4):239-242. PMCID: PMC4521960
48. Webber EM, Kauffman TL, O'Connor E, **Goddard KAB**. Systematic review of the predictive effect of MSI status in colorectal cancer patients undergoing 5FU-based chemotherapy. *BMC Cancer* 2015 Mar 21;15:156. PMCID: PMC4376504
49. Schully SD, Carrick DM, Mechanic LE, Srivastava S, Anderson GL, Baron JA, Berg C, Cullen J, Diamandis EP, Doria-Rose P, **Goddard KAB**, Hankinson SE, Kushi LH, Larson EB, McShane LM, Schilsky RL, Shak S, Skates SJ, Urban ND, Kramer BS, Khoury MJ, Ransohoff DF. Leveraging biospecimen resources for discovery or validation of markers for early cancer detection. *J Natl Cancer Inst* 2015 Feb 16;107(4). PMCID: PMC4342676
50. Scully SD, Lam TK, Dotson WD, Chang CQ, Aronson N, Birkeland ML, Brewster SJ, Boccia S, Buchanan AH, Calonge N, Calzone K, Djulbegovic B, **Goddard KA**, Klein RD, Klein TE, Lau J, Long R, Lyman GH, Morgan RL, Palmer CG, Relling MV, Rubinstein WS, Swen JJ, Terry SF, Williams MS, Khoury MJ. Evidence synthesis and guideline development in genomic medicine: current status and future prospects. *Genet Med* 2015 Jan;17(1):63-7. PMCID: PMC4272332
51. Feigelson HS, Croen LA, **Goddard KA**, Honda SA, Horberg MA, Koebnick C, Owen-Smith A, Rowell S, Schaefer C, Somkin CP, Emmons KM. The Kaiser Permanente Biobank: A Multiregion Resource Linking Specimens and Electronic Medical Records for Broad Research in an Integrated Health Care Delivery System. *J Patient Cent Res Rev* 2015;2:111-112.
52. Feigelson HS, **Goddard KAB**, Hollombe C, Tingle SR, Gillanders EM, Mechanic LE, Nelson SA. Approaches to integrating germline and tumor genomic data in cancer research. *Carcinogenesis* 2014 Oct;35(10):2157-63. PMCID: PMC4178473
53. Simpson CL, Goldenberg AJ, Culverhouse R, Daley D, Igo RP, Jarvik GP, Mandal DM, Mascalzoni D, Montgomery CG, Pierce B, Plaetke R, Shete S, **Goddard KA**, Stein CM. Practical barriers and ethical challenges in genetic data sharing. *Int J Environ Res Public Health* 2014 Aug 15;11(8):8383-98. PMCID: PMC4143867
54. Musser ED, Hawkey E, Kachan-Liu SS, Lees P, Roullet JB, **Goddard K**, Steiner RD, Nigg JT. Shared familial transmission of autism spectrum and attention-deficit/hyperactivity disorders. *J Child Psychol Psychiatry* 2014 Jul;55(7):819-27. PMCID: PMC4211282
55. Feigelson HS, Zeng C, Pawloski PA, Onitilo AA, Richards CS, Johnson MA, Kauffman TL, Webster J, Nyirenda C, Alexander GL, Hwang C, Cross D, McCarty CA, Davis RL, Schwarzkopf D, Williams AE, Honda S, Daida Y, Kushi LH, Delate T, **Goddard KA**; CERGEN Study Team. Does KRAS testing in metastatic colorectal cancer impact overall survival? A comparative effectiveness study in a population-based sample. *PLoS*

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September 19-20, 2008.

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143. Miller KH, Friedland RP, Petot GJ, Kuivaniemi H, Tromp G, **Goddard KAB.** "Genes mediating lipid metabolism and Alzheimer Disease susceptibility." The American Society of Human Genetics (ASHG) Annual Meeting, Salt Lake City, UT, October 25-29, 2005.
144. The FIND Consortium. "Linkage Analyses of Diabetic Nephropathy Phenotypes: The Family Investigation of Nephropathy and Diabetes (FIND)." The American Society of Human Genetics (ASHG) Annual Meeting, Salt Lake City, UT, October 25-29, 2005.
145. Sinha M, Song Y, Elston RC, Olson JM, **Goddard KAB**. "Correction for Asymptotic P-Values in model-free linkage analysis." International Genetic Epidemiology Society (IGES) 2005 Annual Conference, Park City, UT, October 23-24, 2005.
146. Londono D, **Goddard KAB**. "Power considerations for the Washington statistic under both population and case/control marker allele frequencies." Third Seattle Symposium in Biostatistics: Statistical Genetics and Genomics, Seattle, WA, November 19-20, 2005.
147. **Goddard KAB**, Tromp G, Romero R, Olson JM, Lu Q, Xu Z, Nien JK, Gomez R, Behnke E, Solari M, Espinoza J, Kim CJ, Santolaya J, Chaiworapongsa T, Kim YM, Lenk GM, Volkenant K, Kuivaniemi H. "Candidate-Gene Association Study of mothers with pre-eclampsia and their offpsring: Analyzing 758 SNPs in 187 Genes." The American Society of Human Genetics (ASHG) Annual Meeting, Salt Lake City, UT, October 25-29, 2005.
148. Miller KH, Friedland RP, Petot G, **Goddard KAB**. "Genetic factors in Alzheimer's Disease susceptibility and the role of lipid metabolism." Research ShowCASE, Case Western Reserve University, Cleveland, OH, 2005.

149. Lu Q, Wang T, Xing C, Xu Z, **Goddard KAB**. "Generalized multi-locus score statistics for the case-control association studies." Eastern North American Region (ENAR) International Biometric Society Spring Meeting, Austin, TX, March 20-23, 2005.
150. Sucheston L, **Goddard KAB**, Tromp G, Kuivamiemi H, Ferrell R. "Regions on Chromosomes 4 and 5 linked to familial abdominal aortic aneurysms." 45th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, Washington, DC, April 29-May 2, 2005.
151. Ogata T, Gregoire L, Skunca M, Tromp G, Lancaster WD, **Goddard KAB**, Parrado AR, Lu Q, Sakalihasan N, Limet R, MacKean GL, Arthur C, Kuivaniemi H. "Evidence for HLA-DQA1 locus being associated with abdominal aaortic aneurysms in the Belgian population." 45th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, Washington, DC, April 29-May 2, 2005.
152. **Goddard KAB**, Baechle D. "A general framework for estimating haplotypes and haplotype frequencies." The American Society of Human Genetics (ASHG) Annual Meeting, Toronto, Canada, October 26-30, 2004.
153. Spoonhower C, Valiathan M, Hans M, **Goddard K.** "Familial aggregation of congenital hypodontia." International Association for Dental Research (IADR) 82nd General Session and Exhibition, Honolulu, HI, March 10-13, 2004.
154. Edwards SR, Elston RC, **Goddard KAB.** Estimating haplotype frequencies in pooled data when there is genotyping error. (abstract) *Genetic Epidemiology* 2003;25(3):247.
155. Edwards SR, Elston RC, **Goddard KAB.** "Expectation maximization algorithm to estimate haplotype frequencies in pooled data." Research ShowCASE, Case Western Reserve University, Cleveland, OH, 2003.
156. **Goddard KAB,** Olson JM, Payami H, van der Voet M, Kuivaniemi H, Tromp G. Evidence of a Genetic Locus for Very-Late Onset Alzheimer Disease on Chromosome 20. (abstract) *Genetic Epidemiology* 2002;23:283.
157. Olson JM, **Goddard KAB**, Dudek DM, Song Y. Genetic dissection of linkage to complex human diseases: Application to late-onset Alzheimer disease. (abstract) *Genetic Epidemiology* 2002;23:298.
158. **Goddard KAB,** Olson JM, Payami H, van der Voet M, Kuivaniemi H, Tromp G. Candidate region on Chromosome 20 for very-late onset Alzheimer Disease. (abstract) *American Journal of Human Genetics* 2002;71(4):432.
159. Drovdlic CM, **Goddard KAB**, Brock W, Grady WM, Chak A, King J, Richter J, Falk G, Eng C. Demographics and phenotype of familial Barrett's esophagus and esophageal adenocarcinoma series. (abstract) *American Journal of Human Genetics* 2002;71(4):232.
160. Olson JM, **Goddard KAB**, Dudek DM, Song Y. Genetic dissection of linkage to late-onset Alzheimer Disease. (abstract) *American Journal of Human Genetics* 2002;71(4):216.
161. Neville PJ, Conti DV, **Goddard KA**, Krumroy LM, Catalona WJ, Witte JS, Casey G. "Further characterization of prostate cancer aggressiveness loci." 93rd Annual Meeting of the American Association for Cancer Research (AACR), San Francisco, CA, April 6-10, 2002;23:3131.
162. **Goddard KAB**, Dudek D, Olson JM. "Evidence for linkage to 20p and epistasis between 20p and the amyloid precursor protein region in Very-Late onset alzheimer disease." The 8th International Conference on Alzheimer's Disease and Related Disorders, Stockholm, Sweden, July 20-25, 2002.
163. Olson JM, **Goddard KAB**, Dudek DM. "Genetic linkage of late-onset Alzheimer Disease to Chromosomes 18 and 22." The 8th International Conference on Alzheimer's Disease and Related Disorders, Stockholm, Sweden, July 20-25, 2002.
164. Olson JM, **Goddard KAB**, Dudek D. The Amyloid Precursor Protein locus and very-late-onset Alzheimer's Disease. (abstract) *American Journal of Human Genetics* 2001;69(4):499.
165. **Goddard KAB**, El-Meanawy A, Schelling JR, Elashi E, Barathan S, Konieczkowski M, Kamat S, Koepke A, Covic A, Sedor JR, Iyengar SK. Comparison of mRNA kidney expression profiles generated by Serial Analysis of Gene Expression (SAGE) to identify candidate nephropathy genes in C57BL/6-Os/+ versus Rop-Os/+ mice. (abstract) *American Journal of Human Genetics* 2000; 67(4):266.
166. El-Meanawy A, Schelling J, Elashi E, Barathan S, Konieczkowski M, Kamat S, Koepke A, **Goddard K**, Covic A, Iyengar S, Sedor J. "Comparison of mRNA kidney expression profiles generated by serial analysis of gene expression (SAGE) to identify candidate nephropathy genes in C57BL/6-Os/+ versus Rop-Os/+ mice."

American Society of Nephrology (ASN) 33rd Annual Scientific Meeting, Toronto, Ontario, Canada, October 10-16, 2000.

167. **Goddard KAB**, Hall JM, Witte JS. Linkage disequilibrium and allele frequency distributions in 114 SNPs across the genome in five populations. (abstract) *Genetic Epidemiology* 1999;17(3):198.
168. Peterson D, Wijsman E, **Goddard K**, Hsu L, Berninger V, Raskind W. Segregation analysis of phenotypic subtypes of dyslexia. (abstract) *American Journal of Human Genetics* 1999;65(4): A393.
169. Witte JS, **Goddard KAB**, Elston RC, Catalona W. Localization of prostate cancer aggressiveness genes. (abstract) *Genetic Epidemiology* 1999;7(3):197.
170. **Goddard KAB**, Wijsman EM. Characteristics of a genetic map for a cost-effective genome screen using diallelic markers. (abstract) *Genetic Epidemiology* 1998;15(5):536-537.
171. **Goddard KAB**, Wijsman EM. Sampling strategies for affected sib-pair analysis alter the identity-by-descent sharing probability. (abstract) *American Journal of Human Genetics* 1998;3(4):A291.
172. **Goddard KAB**, Wijsman EM. Pedigree selection criteria for genome screening of complex models. (abstract) *American Journal of Human Genetics* 1997;61(4):A277.
173. **Goddard KAB**, Godden J, Wijsman EM. Downcoding revisited: An algorithm for pedigrees with arbitrary structure and missing data. (abstract) *American Journal of Human Genetics* 1996;59(4):A219.
174. Jarvik G, **Goddard K**, Kukull W, Schellenberg G, Yu C, Larson E, Wijsman E. ApoE and non-ApoE genetic effects in Alzheimer Disease (AD). (abstract) *Genetic Epidemiology* 1994;11(3):298.
175. Wijsman EM, Yu CE, Oshima J, **Goddard KAB**, Martin GM, Schellenberg GD. Linkage disequilibrium, haplotype analysis and Werner's Syndrome. (abstract) *American Journal of Human Genetics* 1994;55(3):A206.
176. Jarvik GP, Kukull WA, **Goddard KAB**, Schellenberg GD, Larson EB, Wijsman EM. Family history and ApoE genotype interaction in Alzheimer Disease (AD). (abstract) *American Journal of Human Genetics* 1994;55(3):A154.

SELECTED SCIENTIFIC PRESENTATIONS

"Clinical Exome Sequencing in Adults at Risk for Hereditary Cancer Syndromes: The CHARMed Experience." Cleveland Institute for Computational Biology, Cleveland, OH, Sept 9, 2019.

"Genetics Screening Approaches for Disease Prediction, Prevention, and Therapy." 30th Annual Meeting of the German Society of Human Genetics, Weimer, Germany, March 6-8, 2019.

"Workshop Session I: Evidence Considerations for Integrating Genomic-Based Programs into Health Systems." Implementing and Evaluating Genomic Screening Programs in Health Care Systems – A Genomics Roundtable Workshop, National Academies of Science, Washington, DC, November 1, 2017.

"Medical Genetics & Research Partnership." Kaiser Permanente Northwest Inter-regional Genomics Work Group, Portland, OR, May 8, 2017.

"Population Genomic Screening." Health Care Systems Research Network (HCSRN) Precision Medicine and Cancer Symposium, Atlanta, GA, April 16, 2016.

"CSER: Veni, Vidi, and a Roadmap to Vici", CSER and Beyond Workshop, National Human Genome Research Institute (NHGRI), Bethesda, MD, September 28, 2015.

"Expanded carrier screening using genome sequencing." Oregon Health & Science University, Grand Rounds, Portland, OR, June 2-4, 2015.

"Genomics and KPNW: Senior Leadership Summit." Kaiser Permanente Senior Leaders and Health Plan Leaders' Summit, Kaiser Permanente Building, Portland, OR, November 5, 2014.

"Developing transparent and pragmatic frameworks for evidence evaluation and policy development in the absence of an ideal evidence base." Institute of Medicine, Assessing Genomic Sequencing Information for Health Care Decision Making: A Workshop, Washington DC, February 3, 2014.

"Systematic Review of Familial Hypercholesterolemia Diagnostic Criteria and their Impact." The Familial Hypercholesterolemia (FH) Summit (FH Foundation), Annapolis, MD, September 18-19, 2013.

"Utilizing Existing Clinical & Population Biospecimen Resources for Discovery or Validation of Markers." Early Cancer Detection NCI Workshop, Bethesda, MD, August 28-29, 2013.

"Universal Lynch syndrome screening." Oregon Epidemiology Forum, Portland, OR, March 5, 2013.

"Trends in 21st Century Epidemiology." NCI, NIH, Bethesda, MD, December, 2012.

"Multiregional Biobank." Kaiser Permanente National Laboratory Group, Portland, OR, April 2012.

"Disclosing incidental findings to adults who receive whole genome sequencing." International Genetic Epidemiology Society (IGES) 2012 Annual Conference, Stevenson, WA, October 18-20, 2012.

"Biobanking and genetics research: what IRBs need to know." 18th Annual HMO Research Network (HMORN) Conference, Seattle, WA, April 2012.

"Integrating genetic testing for Lynch syndrome testing in a managed care setting." Medical and Molecular Genetics Grand Rounds, Oregon Health & Sciences University, Portland, OR, March 8, 2012.

"Integrating genetic testing for Lynch syndrome testing in a managed care setting." Lynch Syndrome Screening Network (LSSN) meeting, Bethesda, MD, February 24, 2012.

"Quantitative issues in personalized medicine." Panel Leader, 2011 Program in Quantitative Genomics Conference, Harvard Medical School, Boston, MA, November, 2011.

"Rapid uptake and use of a pharmacogenomic test for colon cancer treatment." Brown Bag Seminar, Center for Health Research, Kaiser Permanente Northwest, Portland, OR, September, 2011.

"Bringing together evidence generation and evidence synthesis to improve colon cancer genetic testing and treatment decision." FDA Public Workshop on Study Methodology for Diagnostics in the Postmarket Setting, Silver Spring, MD, May, 2011.

"Case Study 2: Testing colorectal cancer patients and family members for mutations associated with Lynch syndrome screening." Stakeholder Perspectives on Comparative Effectiveness Research and Cancer Genomic Medicine, Bethesda, MD, January, 2011.

"Exploring the uptake and effectiveness of KRAS testing for metastatic colorectal cancer: can we improve health outcomes and influence decision-making in personalized medicine?" Epidemiology and Genetics Research Program Visiting Scholars Seminar Series, National Cancer Institute, Bethesda, MD, November, 2010.

"Genome-based translation and comparative effectiveness." The American Society of Human Genetics (ASHG) Annual Meeting, Washington DC, November, 2010. http://www.ashg.org/2010meeting/

"Comparative effectiveness research in genomics & personalized medicine for colorectal cancer." Henry Ford Hospital and Health System, Detroit, MI, June, 2010.

"Knowledge of DTC genetic testing among the public and health professionals." Oregon Advisory Committee on Genetic Privacy and Research, Portland, OR, February, 2010.

"Bioinformatics challenges in biobanking." Seminar in "Advancing clinical and translational research through biomedical informatics." Oregon Health & Sciences University, Portland, OR, December, 2009.

"Biobanking at TCHR." Cancer Research Summit, Honolulu, HI, November, 2009.

"KRAS and cetuximab in colon cancer." Cancer Research Summit, Honolulu, HI, November, 2009.

"Public awareness and use of direct-to-consumer genetic tests." Presented at a special session, "The next frontier: Advancing from genetic risk to functionality and testing," International Genetic Epidemiology Society

(IGES) 2009 Annual Conference at the American Society of Human Genetics (ASHG) Annual Meeting, Kahuku, HI, October 18-20, 2009.

"Knowledge of DTC genetic testing among the public and health professionals." Institute of Medicine: Direct-to-Consumer Genetic Testing, A Cross-Academies Workshop, The National Academies Keck Center, Washington, DC, August 31-September 1, 2009.

"Challenges in DTC genetic testing - epidemiological and health provider perspective." Georgetown University, Washington DC, July, 2009.

"Direct to Consumer Genetic Testing: What Price to Pay for (What) Knowledge?" Roche Molecular Diagnostics, Pleasanton, CA, May 4, 2009.

"T1 Research: Moving a basic genome-based discovery into a candidate health application." The American Society of Human Genetics (ASHG) Annual Meeting, Philadelphia, PA, November 11-15, 2008.

"Adapting the logical basis of tests for Hardy-Weinberg Equilibrium." The American Society of Human Genetics (ASHG) Annual Meeting, Philadelphia, PA, November 11-15, 2008.

"Integrating genetic testing for Lynch Syndrome in a managed care setting." Grand Rounds, Department of Molecular and Medical Genetics, Oregon Health & Science University, Portland, OR, October, 2008.

"Establishing equivalence with Hardy-Weinberg Equilibrium." International Genetic Epidemiology Society (IGES) 2008 Annual Conference, St. Louis, MO, September 15-16, 2008.

"Translation of genetic tests for breast cancer prevention and control: From gene finding to valid and useful clinical applications." National Coalition for Health Professional Education in Genetics (NCHPEG) 11th Annual Meeting, Bethesda, MD, September 4-5, 2008.

"Analysis of Chromosome 19 Candidate Interval, the AAA1 Susceptibility Locus for Abdominal Aortic Aneurysms." International Meeting on Aortic Aneurysms (IMAA), Liege, Belgium, September 19-20, 2008.

"The Northwest Biobank." Department of Molecular and Medical Genetics, Oregon Health & Science University, Portland, OR, September, 2008.

"The Northwest Biobank." Center for Health Research, Portland, OR, August, 2008.

"The Northwest Biobank." Department of Molecular and Medical Genetics, Oregon Health & Science University, Portland, OR, August, 2008.

"Adapting the logical basis of tests for Hardy-Weinberg Equilibrium to the real needs of association studies in human and molecular genetics." Department of Epidemiology and Biostatistics, Case Western Reserve University, Cleveland, OH, June, 2008.

"Public awareness and use of Direct-to-Consumer (DTC) genetic tests." Center for Health Research, All Center Meeting, Portland, OR, March, 2008.

"Introduction to genomic profiling: The good, the bad, and the unknown!" The American Society of Human Genetics (ASHG) Annual Meeting, San Diego, CA, October 23-27, 2007.

"Public awareness and utilization of direct-to-consumer genetic tests." Secretary's Advisory Committee on Genes, Health, and Society, Washington, DC, July, 2007.

"Public awareness and utilization of Direct-to-Consumer (DTC) nutrigenomic tests, a national survey." The American College of Medical Genetics (ACMG) Annual Clinical Genetics Meeting, Nashville, TN, March 21-25, 2007.

"More than you bargained for: Direct-to-Consumer genetic tests." Wayne State University, Detroit, MI, March, 2007.

"Genetic epidemiology of infectious disease." Workshop on Influenza Genomics, Centers for Disease Control and Prevention, Atlanta, GA, January, 2007.

"More than you bargained for: Unintended information from Direct-to-Consumer genetic tests." National Office of Public Health Genomics, Centers for Disease Control and Prevention, Atlanta, GA, April, 2006.

"Genetic risk factors for complications of pregnancy." Perinatology Research Branch, Wayne State University, Detroit, MI, March, 2005.

"The promise & pitfalls of genetic association studies." Perinatology Research Branch, Wayne State University, Detroit, MI, August, 2004.

"Interpretation of genetic association studies." The 15th International Cleveland Clinic-Bethel Epilepsy Symposium, Cleveland, OH, July, 2004.

"Genetics of Late-Onset Alzheimer Disease." Clinical, Behavioral, and Social Sciences Seminar, University Memory and Aging Center, Case Western Reserve University, Cleveland, OH, June, 2004.

"Genetics of Late-Onset Alzheimer Disease." National Association for Retired Federal Employees, Sandusky, OH, April, 2004.

"Analysis of complex genetic traits: Late-Onset Alzheimer Disease." Wayne State University, Detroit, MI, February, 2003.

"Analysis of complex genetic traits: late-onset Alzheimer Disease." German Society on Neurogenetics, Ulm, Germany, December, 2002.

"Estimation of haplotype frequencies in pooled samples." Department of Epidemiology and Biostatistics, Case Western Reserve University, Cleveland, OH, April, 2002.

"Affected sib-pair linkage analysis using covariates" Southwestern Medical School, Dallas, TX, November, 2001.

"Methods in quantitative linkage analysis – Application to genetic analysis." Workshop 12 Simulated Data, San Antonio, TX, October, 2000.

"Single nucleotide polymorphisms in genetic linkage analysis." DNA2000 Meeting, Boston, MA, June, 2000.

"Single nucleotide polymorphisms in genetic linkage analysis." Department of Epidemiology and Biostatistics, Case Western Reserve University, Cleveland, OH, April, 2000.

"Issues in Gene Expression Data and Analysis." Department of Epidemiology and Biostatistics, Case Western Reserve University, Cleveland, OH, January, 2000.

"Linkage disequilibrium and allele frequency distributions in 114 SNPs across the genome in five populations." International Genetic Epidemiology Society (IGES) 1999 Annual Conference, St. Louis, MO, September 8-9, 1999.

"Study design issues in the analysis of complex genetic traits." Department of Biostatistics, University of Washington, Seattle, WA, January, 1999.

"Characteristics of a genetic map for a cost-effective genome screen using diallelic markers." International Genetic Epidemiology Society (IGES) 1998 Annual Conference, Arcachon, France, September 11-12, 1998.

"The impact of family structure on the power of linkage testing using sib-pair methods." Genetic Analysis Workshop 11, Arcachon, France, September, 1998.

"Genetic analysis of quantitative risk factors associated with a common oligogenic disease." Genetic Analysis Workshop 9, Montreal, Canada, October, 1994.

RESEARCH EXPERIENCE

A new prospective U.S. cohort set within the health care system institutions to study cancer (DCEG IDIQ) **(NCI)—Site Principal Investigator** (5/18-8/21) (PI Feigelson)

The Clinical Genome (ClinGen) Resource – Expert Curation and EHR Integration **(**ClinGen2) **(NHGRI) —Principal Investigator** (9/17-7/21) (MPI Berg, Williams, Watson, Goddard)

Exome Sequencing in Diverse Populations in Colorado & Oregon (CHARM) **(NHGRI)—Principal Investigator** (8/17-5/21) (MPI Goddard, Wilfond)

Exome Sequencing in Diverse Populations in Colorado & Oregon (CHARM) Supplement – Validation of CSER Harmonized Measures **(NHGRI)—Principal Investigator** (6/18-5/20)

Exome Sequencing in Diverse Populations in Colorado & Oregon (CHARM) Supplement – Design of a web-based decision aid about receiving additional findings from exome sequencing **(NHGRI)—Principal Investigator** (9/19-5/20)

Exome Sequencing in Diverse Populations in Colorado & Oregon (CHARM) Supplement – Research supplement to promote diversity in health-related research **(NHGRI)—Principal Investigator** (8/19-5/21)

Exome Sequencing in Diverse Populations in Colorado & Oregon (CHARM) Supplement – Barriers to knowledge of family history and family communication among sexual minorities and the implications in the context of hereditary cancer syndromes **(NHGRI)—Principal Investigator** (9/19-5/20)

Clinical Implementation of Carrier Testing using NGS **(**NextGen) **(NHGRI)—Principal Investigator** (6/13–5/18) (MPI Goddard, Wilfond)

Integrating Genetic Testing for Lynch Syndrome in a Managed Care Setting **(NCI)—Principal Investigator** (9/11-7/16)

Evidence Synthesis for the Clinically Relevant Consortium Support to the Clinical Research Program (ClinGen) **(NCI) – Principal Investigator** (12/13–9/17) (PI-Goddard)

CYP2D6 Gene Variants and Effectiveness of Adjuvant Tamoxifen in Breast Cancer **(NCI)—Co-Investigator** (8/11-5/16) (PI-Weinmann)

Retrospective Cohort Study of Risk of Hip Fractures Associated with High-dose, Long-term Proton Pump Inhibitor (HD-PPI) Use and Cytochrome P450 Pharmacogenomics **(FDA) – Co-Investigator** (9/14-9/17) (PI-Platt)

Clinical Implementation of Carrier Testing Using NGS Supplement **(NHGRI) – Principal Investigator** (9/15-5/16)

Center for Genomics and Society, GeneScreen Pilot **(NHGRI) – Site Principal Investigator** (6/15-5/16) (PI-Henderson)

Developing the Next Generation of Cohorts within the HMO Setting **(NCI; DCEG) – Principal Investigator** (9/14-12/15)

Oregon Clinical and Translational Research Institute (OCTRI) Renewal **(NCRR)— Site Principal Investigator** (7/11-7/14) (PI-Orwoll)

Performance of FDA-approved HER2 Tests in Patients Diagnosed with Breast Cancer in a Real-World Managed Care Setting **(FDA)—Principal Investigator** (9/11-9/13)

Knowledge Synthesis Center for Genomic Applications **(CDC; OGDP)— Principal Investigator** (9/10-8/13) (MPI Whitlock, Goddard)

Integrating Genetic Testing for Lynch Syndrome Supplement **(NCI) – Principal Investigator** (8/12-7/13)

Sequencing Cancer Genomes **(NCI) – Principal Investigator** (8/12-7/13)

Comparative Effectiveness in Genomic & Personalized Medicine for Colon Cancer (CERGEN) **(NCI)— Principal Investigator** (09/09–09/12) (MPI Goddard, Whitlock, Kushi)

Northwest Biobank Specimen Acquisition II **— Site Principal Investigator** (06/11 - 05/12) (PI- Orwoll)

CHR Biobank Facility and Equipment **(Murdock Charitable Trust)—Principal Investigator** (11/10-12/11)

CRN Administrative Supplement: Developing an HMORN Collaboratory **(HMORN Collaboratory)— Site**

Principal Investigator (03/11 - 09/11) (PI-Wagner)

Biobank Facility & Equipment **(OCTRI, NCRR)—Principal Investigator of Strategic Initiative** (02/10–06/11) (PI-Orwoll)

A Study of Thiazide Sensitivity: A Prognostic Risk Score to Identify Causative Mutations **(OCTRI, NCRR)—Principal Investigator of Pilot Study** (07/09–06/10) (PI-Orwoll)

Building a Population Laboratory for Pharmacoepidemiologic and Pharmacogenomic Studies in Cancer **(NCI)—Co-Investigator** (09/08–04/10) (PI-Wagner)

Determinants of poor response to flu vaccine in the elderly **(OCTRI, NCRR) —Co-Investigator** (06/08-05/09) (PI-Orwoll)

Pilot and Feasibility Studies for OCTRI Bio-Repository Using Discarded Clinical Blood Specimens**—Co-Investigator** (04/08–04/09) (PI-Orwoll) (Pilot Study Principal Investigator)

Linkage Consortium for End-stage Renal Disease **(NIDDK)—Co-Investigator** (09/05–09/08) (PI-Iyengar)

Tools for the Analysis of Whole-Genome Association Studies in Cystic Fibrosis **(CWRU/CF Pilot and Feasibility)—Principal Investigator** (04/06–03/08)

A Multicenter Study to Map Genes for Fuchs Dystrophy **(NEI)—Co-Investigator** (10/05–09/07) (PI-Iyengar)

Gene Modifiers in Cystic Fibrosis Lung Disease **(NHLBI)—Co-Investigator** (09/06–09/07) (PI-Knowles)

Human Genetic Analysis Resource **(NIH)—Co-Investigator** (03/99–09/07) (PI-Elston)

Genetic Factors in Abdominal Aortic Aneurysms **(NHLBI)—Site Principal Investigator** (09/03–08/07)

Issues Related to Direct to Consumer Genetic Testing **(CGREAL Seed Grant Program)—Principal Investigator** (07/06–06/07)

Task Order for Functional Genomics **(NIH)—Site Principal Investigator** (05/03–09/06) (PI: Romero)

Candidate Genes in Very Late Onset Alzheimer's Disease **(Alzheimer's Association)—Principal Investigator** (01/04–12/05)

Linkage Consortium for End-stage Renal Disease **(NIH)—Co-Investigator** (09/99–08/05) (Elston)

Host Genetics and Symptomatic Dengue Infection**—Co-Investigator** (09/03–08/05) (PI-Blanton)

Robust Linkage Methods for Human Pedigree Data **(NHGRI)—Co-Investigator** (08/01–07/05) (PI Olson)

Genetic Models of Alzheimer's Disease **(Robert Swanker Trust Fund)—Principal Investigator** (06/02–05/04)

TEACHING EXPERIENCE

2017-2020	**Lecturer**, Oregon Health & Sciences University, Department of Molecular and Medical Genetics CONJ 662*: Genetic Mechanisms* Lectures on Population Genetics.
2008-2015	**Lecturer**, Oregon Health & Sciences University, Department of Molecular and Medical Genetics *MGEN 622: Eukaryotic Genetics* Lectures on Population Genetics.
2013	Advanced Topics in Genome-Wide Association Studies (GWAS) Course, Toronto, Canada
2009	**Instructor**, Developing Protocols for Genetic Research Studies, The Office of Workforce and Career Development, CDC University, Atlanta, GA, March 2009.
2007	**Lecturer**, Emory University, School of Public Health *EPI 522: Human Genome Epidemiology* Lectures on Genome-wide Association Studies and Infectious Disease Genetic Epidemiology.
2002–2006	**Lecturer**, Case Western Reserve University, Department of Epidemiology and Biostatistics

EPBI 452: Statistical Methods in Genetic Epidemiology
Topics include statistical methods in segregation analysis, linkage analysis, and association studies for both quantitative and discrete traits.

2002-2004 **Lecturer**, Case Western Reserve University, Department of Epidemiology and Biostatistics
EPBI 502: Seminar in Genetic Epidemiology
Coordinate seminar schedule, student presentations, and invite outside speakers.

2004 **Lecturer,** Case Western Reserve University, Department of Neurology
NEUR 534: Neurogenetics
Lecture on introduction to mapping genetic traits in humans.

2003 **Lecturer,** Case Western Reserve University, Department of Pharmacology
PHRM 520: Introduction to Cancer Biology and Therapeutics
Developed lecture and assignment on genetic epidemiology of cancer.

1999–2001 **Lecturer,** Case Western Reserve University, Department of Epidemiology and Biostatistics
EPBI 491: Epidemiology: Application of Theory and Methods
Developed lectures and assignments on categorical data analysis, regression analysis, sample size and power considerations, bias, confounding, study design, and sampling methods.

1999–2000 **Lecturer,** Case Western Reserve University, Department of Epidemiology and Biostatistics
EPBI 432: Statistical Methods I
Developed lectures on sampling distributions, confidence intervals, and hypothesis testing.

1999 **Lecturer**, Case Western Reserve University, Department of Epidemiology and Biostatistics
EPBI 455: Epidemiology of Complex Diseases
Lecture on single nucleotide polymorphisms in association and linkage mapping.

1997 **Instructor,** University of Washington, Center for Quantitative Science
Statistical Inference in Applied Research
Duties included writing and delivering lectures, assigning and grading homework, writing exams, leading discussion sections, and office hours.

1995, 1996 **Teaching Assistant,** University of Washington, Department of Biostatistics
Medical Biometry III
Discussion sections, office hours, writing homework solutions, and grading homework.

SOCIETY MEMBERSHIPS

1999–2017 International Genetic Epidemiology Society
1997–2020 American Society of Human Genetics

PROFESSIONAL SERVICE

Center for Health Research, Kaiser Permanente Northwest

2017-2021 Center for Health Research Leadership Team
2017-2021 Scientific Programs Department Leadership Team
2017-2021 Member, Interregional Genomics Work Group
2017-2018 Precision Medicine Advisory Leaders Work Group
2012-2017 Member, Committee on Appointments and Promotions
2010-2014 Chair, Biospecimen Strategic Development Committee
2009-2014 Member, Research Biospecimen Resource Committee
2008–2012 Member, Science Policy Committee

Case Western Reserve University

2006–2007 Member, Case Research Advisory Board, School of Medicine

2006–2007 Member, Bylaws Committee, School of Medicine
1999–2007 Member, Curriculum Committee, Genetic and Molecular Epidemiology Division, Department of Epidemiology and Biostatistics
1999–2007 Member, Admissions Committee, Genetic and Molecular Epidemiology Division, Department of Epidemiology and Biostatistics
1999–2007 Member, Examination Committee, Genetic and Molecular Epidemiology Division, Department of Epidemiology and Biostatistics
2005–2006 Vice-President, Women Faculty of the School of Medicine
2001–2005 Treasurer, Women Faculty of the School of Medicine
2005–2006 Member, Curriculum Committee, Department of Epidemiology and Biostatistics
2000–2006 Member, Women Faculty of the School of Medicine Steering Committee
2002 Member, Committee on Appointment, Promotion, and Tenure, Department of Epidemiology and Biostatistics
2001–2002 Member, Space Committee, Rammelkamp Center for Education and Research, MetroHealth

University of Washington

1996, 1997 Member, Graduate and Professional Student Senate
1994, 1995 Member, Admissions Committee, Department of Biostatistics