Amy A. Lemke, PhD, MS

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Louisville, KY 40202
amy.lemke@louisville.edu

EDUCATION

1984	MS, Genetic Counseling University of California, Berkeley, CA
1998	PhD, Public Health University of Illinois, Chicago, IL

ACADEMIC APPOINTMENTS

2022 - present	Associate Professor Department of Pediatrics University of Louisville School of Medicine Louisville, KY
2014 - 2022	Adjunct/Affiliate Faculty Graduate Program in Genetic Counseling Northwestern University Feinberg School of Medicine Chicago, IL
2016 - 2021	Senior Clinician Researcher Pritzker School of Medicine, University of Chicago Chicago, IL
2014 - 2015	Faculty (distance teaching) Master of Science Genetic Counseling Program California State University Stanislaus Turlock, CA
2007 - 2011	Research Assistant Professor
2011 - 2011	Research Associate Professor, Center for Genetic Medicine Northwestern University Feinberg School of Medicine Chicago, IL
2006 - 2007	Senior Scientist, Institute for Health Research and Policy University of Illinois at Chicago Chicago, IL

2006 - 2018	Honorary Fellow, Genetic Counseling Program University of Wisconsin Madison School of Medicine and Public Health Madison, WI
1998 - 2001	Research Assistant Professor, Institute for Health Services Research and Policy Studies Northwestern University Evanston/Chicago, IL
1991 - 1997	Lecturer, Department of Obstetrics and Gynecology The University of Chicago Chicago, IL

OTHER POSITIONS AND EMPLOYMENT (some held with joint academic appointments)

2022 - present	Director of Community Engaged Research Norton Children's Research Institute, Affiliated with the University of Louisville School of Medicine Louisville, KY
2019 - 2021	Program Director, Outcomes Research, Neaman Center for Personalized Medicine, NorthShore University HealthSystem, Evanston, IL
2016 - 2021	Research Scientist III, Neaman Center for Personalized Medicine, NorthShore University HealthSystem, Evanston, IL
2002 - 2015	Senior Research Scientist Consultant
1997 - 2001	Senior Research Scientist, Fetal Diagnostics Evanston Northwestern Healthcare Evanston, IL
1991 - 1997	Genetic Counselor, Department of Obstetrics and Gynecology The University of Chicago Chicago, IL
1984 - 1990	Genetic Counselor, Genetics and Prenatal Diagnostic Unit Lutheran General Perinatal Center Park Ridge, IL

CERTIFICATION

1987	American Board of Medical Genetics Genetic Counseling #870222

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

American Society of Human Genetics
  - 2010, 2013, 2018 Annual meeting, Abstract Review Committee
  - 2018 - 2021 Professional Practice and Social Implications Committee: Diverse Cohorts Guidances Working Group; Polygenic Risk Scores Guidances Working Group

American College of Medical Genetics
  - 2006 - 2011 Public Health SIG Executive Committee
  - 2011 - 2014 Social, Ethical, Legal Issues Committee

National Society of Genetic Counselors
  - 1990 - 1992 Cystic Fibrosis Ad Hoc Committee
  - 1995 - Nominating Committee (for president)
  - 2005 - 2007, 2018-2020 Annual meeting Abstract Review Committee
  - 2006 - AEC Genomics Public Health Short Course Co-Chair
  - 2007 - JEMF Advisory Group Nominating Committee
  - 2013 - present Pharmacogenomics, Personalized Medicine, and Genomics Technology Working Groups
  - 2015 - Membership Committee Nominations Subcommittee

HONORS AND AWARDS

1995	The Regional Leadership Award, Region IV National Society of Genetic Counselors
1997	Chicago Bar Association Public Health Award
1996 - 1998	University of Illinois (Chicago) School of Public Health, Community Health, Merit Scholarship

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS

Genetics Task Force of Illinois, Inc.
  - 1990 - 1991 President

Illinois Genetic and Metabolic Advisory Board
  - 1993 - 2001

RUSH Doctor of Nursing Genetic Health Program Advisory Board
  - 1994 - 1998

March of Dimes, Wisconsin Chapter
2003 - 2008 Grants and Program Services Committees
Wisconsin Genetics State Plan II Workgroup/Advisory Committee
2004 - 2016
UW Madison Genetic Counseling Training Program Advisory Board
2006 - 2018
Northwestern University Clinical and Translational Sciences (NUCATS) Institute, Northwestern University Community Engagement Council
2007 - 2011
Mayo Clinic ELSI Working Group for Whole Genome and Exome Sequencing
2012 - 2013
NorthShore University HealthSystem Personalized Medicine Steering Committee, Return of Results Steering Committee, and Outcomes Research Steering Committee
2016 - 2021
NorthShore University HealthSystem Institutional Review Board
2017 - 2021
NorthShore University HealthSystem Community Investment & Partnership Initiative
2020 - 2021
NorthShore University HealthSystem COVID-19 Outcomes/Translational Science and Patient Repository Steering Committee; Quality Improvement Steering Committee; Artificial Intelligence and Social Determinants Operations Committee
2020 - 2021
NorthShore University HealthSystem Health Equity Impact Team
2020 - 2021

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS

Evaluation of Genomic Applications in Practice and Prevention (EGAPP)
2006 - 2007 Stakeholder Advisory Group
Electronic Medical Records and Genomics Consent and Community Consultation Work Group (Work Areas: IRB, and Role of Community)
2007 - 2011
Genetics Research Review Issues Project
2008 - 2012
CTSA Community Engagement Key Function Committee and Biobank Workgroup
2010 - 2018
Clinical Sequencing Exploratory Research (CSER) Consortium
2012 - 2017 (Return of results, Metrics, and Qualitative Workgroups)
2019 - present (Stakeholder Engagement, Outcomes and Measures Workgroups, Affiliate member
Centers for Excellence in Ethical Research (CEER) Consortium
2013 - 2015 Stakeholder Engagement Work Group Lead
2019 - present Affiliate member
Kaiser Permanente Precision Medicine External Advisory Committee
2017 - 2018

EDUCATIONAL ACTIVITIES

Courses

1990 -1992	DePaul University Course director Heredity & Health; Independent study
1992 - present	Northwestern University Graduate Program in Genetic Counseling Internship/Rotation Supervisor Invited lecturer, multiple topics
1992 - 1997	The University of Chicago Biological Sciences Division, Invited lecturer BIOSCI 274 Genetic Counseling BIOSCI 146 Human Genetics MED GEN 339 Medical Genetics
1993 - 1994	The University of Chicago Biological Sciences Division, Course director BIOSCI 288 Genetic Counseling; Independent study
2002 - 2018	University of Wisconsin-Madison Genetic Counseling Training Program Medical Genetics 737 Public Health Module Human Genetics Seminar- Research Methods
2005 - 2006	University of Wisconsin-Madison Master of Public Health Program PHS 780 Public Health Principles & Practice, Co-course director, PHS 702 MPH Field Work Seminar, Course director
2014 - 2015	Cal State Stanislaus (online) Master of Science Genetic Counseling Program BIOL 5968 Health Research Methods, course director

Students, faculty, residents, and clinical/research fellows mentored

1993	Research Mentor, University of Chicago Summer Research Opportunities Program Sandra Reyes
1994 - 1995	Bachelor’s Thesis Reader, University of Chicago Department of Public Policy Studies, Division of Social Sciences Sandra Reyes

2006 - 2008	Ph.D. Dissertation Committee Member, University of Wisconsin-Madison, Department of Population Health Sciences Cecelia Bellcross
2007 - 2008	Thesis Advisor, University of Wisconsin-Madison Genetic Counseling Masters Program Emily Windsor
2008 - 2009	Thesis Committee Member, Northwestern University Graduate Program in Genetic Counseling Jamie Zdrodowski
2009 - 2010	Thesis Committee Member, Northwestern University Graduate Program in Genetic Counseling Lauren Burch
2009 - 2010	Thesis Advisor, Northwestern University Graduate Program in Genetic Counseling Holly Laduca
2010 - 2011	Thesis Advisor, Northwestern University Graduate Program in Genetic Counseling Brook Croke
2010 - 2011	Thesis Committee Member, Northwestern University Graduate Program in Genetic Counseling Tara Scriver
2012 - 2013	Research Thesis Reader, University of Wisconsin-Madison Genetic Counseling Masters Program Ashley Klein
2014 - 2015	Thesis Advisor, Northwestern University Graduate Program in Genetic Counseling Priyanka Murali
2015 - 2016	Thesis Committee Member, Northwestern University Graduate Program in Genetic Counseling Brian Castro
2018 - 2021	K grant application, mixed methods research mentor NorthShore University HealthSystem, Ambulatory Primary Care Innovations Group Emily White VanGompel, MD, MPH

2020 - 2021	Work study research project mentor, Northwestern University Graduate Program in Genetic Counseling Andrew Drakley, Arlene Carlos

GRANTS AND CONTRACTS

Past:

1992 - 1995	Co-Investigator National Center for Human Genome Research, NIH Ethical, Legal, and Social Implications Program The Human Genome Project and Women University of Chicago
7/01/94 - 6/30/97	Principal Investigator (3 continuing renewal awards) Illinois Department of Public Health, Division of Family Health Preconception Genetic Counseling Services for Low-Income Family Planning Clinics, Woodlawn Maternal Child Health Center University of Chicago
7/01/97 - 6/30/01	Principal Investigator (4 continuing renewal awards) Illinois Department of Public Health, Division of Health and Wellness Preconception Genetic Counseling Services for Low-Income Family Planning and Child Health Clinics Evanston Northwestern Hospital
7/01/06 - 6/30/07	Co-Principal Investigator Illinois Department of Public Health Genetics Program Development of the Illinois State Genetics Plan University of Illinois
9/27/07 - 7/31/11	Co-Investigator National Human Genome Research Institute, NIH Genome-wide Studies from the NUgene Biorepository Northwestern University
7/01/07 - 6/30/08	Principal Investigator Illinois Department of Public Health Genetics Program Professional Genetics Education Implementation Grant Northwestern University
7/01/08 - 6/30/09	Principal Investigator Illinois Department of Public Health Genetics Program Professional Genetics Education Implementation Grant Northwestern University

9/01/10 - 8/31/11	Site Principal Investigator National Council for Research Resources, NIH, DHHS Returning Research Results: A Deliberative Democracy Investigation Northwestern University/University of Chicago
9/01/10 - 8/31/11	Site Principal Investigator National Human Genome Research Institute, NIH Ethical & Social Issues in the Study of Genetics of Complex Traits Northwestern University/Seattle Children’s Hospital
9/30/11 - 9/29/14	Site Principal Investigator/Senior Scientist Consultant National Human Genome Research Institute, NIH Innovative Approaches to Returning Results in Exome and Genome Sequencing Studies Northwestern University/Seattle Children’s Hospital
5/14/10 - 3/30/15	Site Principal Investigator/Senior Scientist Consultant National Human Genome Research Institute, NIH Center for Genomics and Healthcare Equality Northwestern University/University of Washington
2016 - 2018	Principal Investigator Transformation Innovations Fund Primary Care Provider Experiences with Pharmacogenomic Testing: A Qualitative Assessment NorthShore University HealthSystem
2016 - 2018	Principal Investigator Transformation Innovations Fund Patient Views Post-disclosure of Pharmacogenomic Results NorthShore University HealthSystem
2018 - 2020	Principal Investigator Transformation Innovations Fund The Genetic and Wellness Assessment Tool in Primary Care: An Evaluation of Provider Utilization NorthShore University HealthSystem
2019 - 2021	Principal Investigator Transformation Innovations Fund Patient Experiences with Pre-emptive Genetic Testing in an Integrated Health System NorthShore University HealthSystem

2019 - 2021	Principal Investigator Transformation Innovations Fund Primary Care Physician Experiences with Large-Scale Genetic Testing in a Community Health System NorthShore University HealthSystem
2021 - 2021	Principal Investigator Swedish Hospital Foundation Engaging Diverse Communities in Population Genetic Testing NorthShore University HealthSystem
2022 - present	Co-Investigator National Human Genome Research Institute, NIH South-SEQ: DNA Sequencing for Newborn Nurseries in the South Norton Children’s Research Institute, Affiliated with the University of Louisville School of Medicine
2022 - present	Co-Investigator National Human Genome Research Institute, NIH Utility of Genomic Sequencing in Community Care Contexts Norton Children’s Research Institute, Affiliated with the University of Louisville School of Medicine

EDITORIAL WORK AND GRANT REVIEWER

Journal Reviewer

Clinical Genetics
Digital Health
Genetic Testing and Molecular Biomarkers
Genetics in Medicine
IRB: Ethics and Human Research
Journal of Empirical Research on Human Research Ethics
Journal of Genetic Counseling
Journal of Women's Health
Public Health Genomics

Grant Reviewer

2001 - 2005	Wisconsin March of Dimes Community Services Grants
2006	Wisconsin Department of Health and Family Services, Clinical Genetics Services Grants
2007 - 2010	Community Engaged Research Center, Northwestern University, Alliance for Research in Chicagoland Communities Seed Grants
2021	NIH/NHGRI 2 Special Emphasis RFA Review Panels

ACCEPTED ABSTRACTS (past ~15 years, more available upon request)

1. **Lemke AA**, Wolf W, Hebert-Beirne J, RL Chisholm, Smith ME (2008). Assessing Public and Biobank Participant Attitudes toward Data Sharing for Genome-Wide Association Studies: A Community Consultation Approach. The American Society of Human Genetics Annual Education Conference. Philadelphia, PA.

2. **Lemke AA**, Wolf W, Hebert-Beirne J, RL Chisholm, Smith ME (2008). Genome-wide Studies from the NUgene Biorepository: Utilizing Community Consultation. Translating ELSI: Global Perspectives on the Ethical, Legal and Social Implications of Genomics Conference. Cleveland, OH.

3. Healy KM, Engstrom JL, Goldgar C, **Lemke A**, Matheson J, Rackover MA, Sefton M, Wolpert C (2008). Clinical Genetics Continuing Education Needs Assessment : A Descriptive Study of a Convenience Sample of Illinois Physician Assistants. American Academy of Physician Assistants Annual Conference. San Antonio, TX, and Physician Assistants Education Academy Conference, Savannah, GA.

4. **Lemke AA,** Wolf WA, Hebert-Beirne J, Smith ME (2009). Public and Biobank Participant Attitudes toward Genetic Research Participation and Data Sharing. The Public Responsibility in Medicine and Research Conference. Nashville, TN.

5. Smith ME, Hellyer JH, **Lemke AA**, McCarty C, Ehrlich K, Larson E, Basford MA, Dressler L (2009). Experience with IRB Review in Data Sharing for Genome Wide Association Studies: From the eMERGE (electronic medical records and genomics) Network. The Public Responsibility in Medicine and Research Conference. Nashville, TN.

6. Freeman WL, **Lemke AA**, Wiesner GL, O'Rourke PP, Burke W, Edwards KL, GRRIP Study Team (2009). Genetics Research Review and Issues Project (GRRIP): Preliminary Results of a National Survey of IRB Professionals. The Public Responsibility in Medicine and Research Conference. Nashville, TN.

7. Wiesner GL, **Lemke AA**, Marshall PA, Freeman WL, Edwards KL, GRRIP Study Team (2009). Genetics Research Review and Issues Project (GRRIP): Preliminary Results of a National Survey of Genetic Researchers. The Public Responsibility in Medicine and Research Conference. Nashville, TN.

8. Dressler LL, Ponaran R, Brown Trinidad S, Gerson N, Lewis S, Markey J, Skinner D, Press N, Wiesner G, GRIPP Study Team* (***Lemke, AA**) (2009). Disclosure of Genetic Research Results: Perspectives of IRB Members and Staff. The Public Responsibility in Medicine and Research Conference. Nashville, TN.

9. **Lemke AA**, Starks H, Wiesner GL, Edwards KL, GRRIP Study Team (2009). Institutional Review Board Attitudes toward Human Research Protection in Genetic Research: Results from the Genetics Research Review and Issues Project (GRRIP). The American Society of Human Genetics Conference. Honolulu, HI.

10. Edwards KL, **Lemke AA**, Starks H, Wiesner GL, GRIPP Study Team (2009). Attitudes toward Human Research Protections in Genetic Research among ASHG members: Results from the Genetics Research Review and Issues Project (GRRIP). The American Society of Human Genetics Conference. Honolulu, HI.

11. Bellcross CA, **Lemke AA** (2009). Evaluation of a Breast/Ovarian Cancer Genetics Referral Screening Tool. The American Public Health Association Annual Conference, Philadelphia, PA.

12. Bellcross C, **Lemke AA**, Pape LS, Tess AL, Meisner LT (2009). Evaluation of a Breast/ovarian Cancer Genetics Referral Screening Tool in a Mammography Population. The National Society of Genetic Counselors Conference. Atlanta, GA.

13. Zdrodowski J, Wicklund C, **Lemke AA**, O'Neill S (2009). Public Awareness of and Demand for Direct-to-consumer Genetic Testing. The National Society of Genetic Counselors Conference. Atlanta, GA.

14. Windsor E, **Lemke AA,** Rice D (2009). Assessing Latino Views of the Newborn Screen in Wisconsin (2009). 35th Transcultural Nursing Society Conference. Seattle, WA.

15. Burke W, Rodriguez L, Malin B, **Lemke AA**, Terry S, O'Rourke PP, Wiesner G. Identifiability in the Era of Genome-scale Research. (invited panelist, accepted as American Society of Human Genetics 2010 Social Issues Session Panel presentation in Washington, DC)

16. Laduca H, **Lemke AA**. Assessment of Follow-up Practice to Positive Cystic Fibrosis Newborn Screens. National Society of Genetic Counselors 2010 Annual Meeting, Dallas, TX.

17. Laduca H, **Lemke AA**, McColley SA. Follow-up Practices to Positive Newborn Screens in Illinois. Annual North American Cystic Fibrosis Conference, 2010, Baltimore, MD.

18. **Lemke AA,** Smith ME, Trinidad SB, Wolf WA and the GRRIP Consortium. Broad Data Sharing in Genetic Research Participant Protections: Views of Institutional Review Board Professionals. American Society for Bioethics and Humanities 2010 Annual Meeting, San Diego, CA.

19. Koenig BA, McCarty C, Clayton EW, **Lemke AA**, Fullerton SM. The eMERGE Consortium: an NIH-supported Model for Integrating Bioethics into Leading-edge Genomic Research. American Society of Human Genetics 2010 Annual Meeting, Washington DC.

20. **Lemke AA**, Edwards KL, Trinidad SB, Starks H, Lewis SM, Burke W. Stakeholder Views toward Review of Genetic Research: A Comparative Study. Genomics and Public Health Annual 2010 Meeting, Bethesda, MD.

21. **Lemke AA**, Wu JT, Brown Trinidad S, Somkin C, Pulley J, Waudby C. Community Engagement in Biobanking: Experiences from the eMERGE Network. Genomics and Public Health Annual 2010 Meeting, Bethesda, MD.

22. Trinidad Susan Brown, Ludman EJ, **Lemke AA**, Burke W. Reconsent in Genome-Scale Research: Implications for Engagement. ELSI Congress 2011, Chapel Hill, NC.

23. **Lemke AA**, Halverson C, Ross Friedman L. Returning Research Results: A Deliberative Engagement in Southside Chicago. International Congress of Human Genetics/American Society of Human Genetics Conference, October 2011, Montreal.

24. Croke B, **Lemke AA**, Aufox S, Dineen R, Nash C, Okada L. Illinois Genetic Coordinators' Views Toward Use of the Family Health History Questionnaire. National Society of Genetic Counselors 2011 conference, October 2011, San Diego, CA.

25. **Lemke AA**, Halverson C, Ross LF. Returning Research Results: A Deliberative Engagement in South Side Chicago. International Congress of Human Genetics/ American Society of Human Genetics Conference, October 2011, Montreal.

26. Lakes KD, Vaughan E, **Lemke AA**, Jones M, Baker D, Swanson J. Diverse Maternal Perspectives of the Return of Results in Pediatric Genetic Research: Results from Formative Research for the National Children's Study. International Congress of Human Genetics/American Society of Human Genetics Conference, October 2011, Montreal.

27. **Lemke AA,** Halverson C, Ross LF. A Deliberative Engagement in South Side Chicago: Participant Views on Biobank Participation and Return of Research Results. Public Responsibility and Medicine Conference, December, 2011, National Harbor, MD.

28. **Lemke AA**, Edwards K, Brown Trinidad S, Lewis S, Wiesner G, Burke W. Comparing Views of Researchers and IRB Professionals on Participant Protections in Human Genetic Research: Findings from the Genetic Research Review Issues Project. American College of Medical Genetics Conference, March, 2012, Charlotte, NC.

29. **Lemke AA**, Hulick P, Hutten CG, Sereika A, Glaser N, Dunnenberger M. Potential Benefits and Risks of Direct Access Pharmacogenomics Testing: Patient Perspectives following Results Disclosure. Genomics and Society ELSI Congress, June, 2017, Framingham, CT.

30. **Lemke AA**, Hulick P, Hutten CG, Sereika A, Glaser N, Wake D. Dunnenberger M. Primary Care Physician Experiences with Integrated Pharmacogenomic Testing in a Community Health System. American Society of Human Genetics, October, 2017. Orlando, FL.

31. **Lemke AA**, Hulick P, Sereika A, Glaser N, Wake D. Dunnenberger M. Patient Perspectives of Pharmacogenomic Testing in a Community Health System. Pharmacogenomics Research Network Annual Conference, October, 2017. Orlando, FL.

32. Hulick P, Helseth L, Kaul K, Khandekar J, Gulukota K, **Lemke A**, Mangold K, Miller N, Parsad N, Sereika A, Sabatini L, Wake D, Dunnenberger M. Establishing Varian Frequencies for Pharmacogenomic Data in a Community Health System Based Pharmacogenomics Program. American Society of Human Genetics. October, 2017. Orlando, FL.

33. **Lemke AA**, Hulick P, Sereika A, Glaser N, Wake D. Dunnenberger M. A Qualitative Assessment of Pharmacogenomic Services Implementation in a Primary Care Setting. The Academy Health Annual Dissemination and Implementation Science conference. Arlington, VA, December, 2017.

34. Hulick P, Khandekar J, **Lemke AA**, Revis J, Dunnenberger M. Implementation of a Genetic and Wellness Assessment Initiative Across a Community Health System. American College of Medical Genetics and Genomics annual conference. Charlotte, NC, April, 2018.

35. **Lemke AA**, Hulick P, Sereika A, Glaser N, Wake D. Dunnenberger M. An Assessment of Patient Experiences to Inform Pharmacogenomics Service Delivery in an Integrated Health System. American College of Medical Genetics and Genomics annual conference. Charlotte, NC, April, 2018.

36. Blum-Barnett E, Madrid S, **Lemke AA**, Pan V, McGlynn E, Burnett-Hartman A. Kaiser Permanente Patient Attitudes Toward Genetic Research Testing: a Qualitative Assessment. American College of Human Genetics and Genomics annual conference. Seattle, WA, April, 2019.

37. Thompson J, DePersia A, Dunnenberger H, **Lemke AA**, Matsil A, Purcell S, Yu K, Hulick P. Initial Outcomes for a Genetic Health Assessment Tool Implemented Across a Health System Primary Care Network. American College of Human Genetics and Genomics annual conference. Seattle, WA, April, 2019.

38. **Lemke AA**, Dunnenberger HM, Thompson J, Dilzell-Yu K, Newlin A, Hughes K, Purcell S, Kaplan E, Matsil A, Johnson C, Hulick PJ. Pre-emptive hereditary cancer genetic testing in primary care: Leveraging early program data for process improvement. American Society of Human Genetics. Houston, TX. October, 2019.

39. Doo T, White VanGompel E, **Lemke AA**, Shah N. Use of wearable technology to reduce hospital readmission in high risk and surgical populations: Patient perspectives. North American Primary Care Research Group. Toronto, Canada. November, 2019.

40. **Lemke AA**, Dunnenberger HM, Wang C, Dilzell-Yu, Kaplan E, Sereika A, Johnson, C, Hulick PJ. Pre-emptive Genetic Testing in Primary Care: Experiences of Patients Participating in the DNA-10K Initiative. American College of Medical Genetics and Genomics. San Antonio, TX. 2020.

41. Hulick PJ, David SP, Ilbawi N, **Lemke AA**, Matsil A, Revis J, Dilzell-Yu K, Zhou A, Zimmer AD, Dunnenberger HM. Population Approach to implementation of genomics into primary care: DNA-10K initiative. American College of Medical Genetics and Genomics. San Antonio, TX. 2020.

42. O'Daniel J, Harris J, Desrosiers L, Chen F, Finnala C, Fullerton M, and the CSER Stakeholder Engagement Working Group. American College of Medical Genetics and Genomics. San Antonio, TX. 2020.

43. **Lemke AA**, Dunnenberger HM, Wang C, Dilzell-Yu, Kaplan E, Sereika A, Johnson, C, Hulick PJ. Where Could this Information End Up? Patient Views toward Privacy and Discrimination after Receiving Results from a Clinical Pre-emptive Genetic Testing Program. ELSI Congress. New York, New York. June, 2020.

44. David S, Ali R, Hulick P, **Lemke AA**. Implementing primary care mediated population genomic testing within a primary care network. North American Primary Care Research Group. San Francisco, CA. November, 2020.

45. **Lemke AA**, Terry S, Zhou A, Sturm A, Ginsburg G, Bombard Y. Delivering genomics digitally: Are we ready? American Society of Human Genetics. San Diego, CA. October, 2020.

46. **Lemke AA**, Thompson J, Dunnenberger HM, Wang C, Kuchta K, Dilzell-Yu K, Johnson C, Hulick P. Patient-reported outcomes and experiences with population genetic testing offered through a primary care network. American Society of Human Genetics. San Diego, CA. October, 2020.

47. Hulick PJ, Hammernick J, Ilbawi N. Khandakar J, **Lemke AA**, Dilzell-Yu K, HM Dunnenberger. Three Program Enhancements to Advance Population Genetic Screening in a Community Health System During 2020. American College of Medical Genetics/Genomics Virtual Annual Conference.

48. Kerman B, Brunette CA,, **Lemke AA**, Harris E, Antwi A, Jones N, Vassy JL. Polygenic Risk Scores change Primary Care Providers' Preventive Care of Racially Diverse Patients: Results of a National Survey with Randomized Case Scenarios. American Society of Human Genetics virtual conference. October, 2021.

49. Sabatello M, Brothers K, Garrison N, **Lemke AA**. Engagement with Historically Marginalized Communities: Methods, Positionality and ELSI in Precision Medicine Research. ELSI Congress. June, 2022.

50. **Lemke AA**, Choi S, Dang V, Dang Q, Yu J-H. Assessing Vietnamese American patient views toward incorporating genomics in primary care: A community engaged research approach. American Society of Human Genetics conference. October, 2022.

INVITED LECTURES/WORKSHOPS/PRESENTATIONS (past ~15 years, more available upon request)

Local

Genomics and Public Health Case Study: Cystic Fibrosis Carrier Screening. Presented to the UW Madison Masters Program in Genetic Counseling. University of Wisconsin – Madison. February, 2006.

Public Health and Genetic Counseling. Presented to the UW Madison Masters Program in Genetic Counseling. University of Wisconsin – Madison. February, 2006.

Introduction to Research Methods for Genetic Counseling. Presented to the UW Masters Program in Genetic Counseling. University of Wisconsin – Madison. February 2007, January 2011.

Integrating Genomics and Public Health: Part 1, Case Examples. Presented to the UW Genetic Counseling Training Program. University of Wisconsin - Madison. January 2008, April 2010, February 2012, January 2014.

Integrating Genomics and Public Health: Part 2. Presented to the UW Genetic Counseling Training Program. University of Wisconsin- Madison. January 2008, April 2010, February 2012, January 2014.

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Overview of Research Methods: Implications for Genetic Counseling. Presented to the UW Genetic Counseling Training Program. University of Wisconsin - Madison. February, 2008.

Introduction to Research Methods for Genetic Counselors. Presented to the UW Genetic Counseling Training Program. University of Wisconsin - Madison. February, 2009 and 2010.

Ethical issues in the Return of Incidental Findings from Clinical Genome Sequencing. Medical College of Wisconsin- Milwaukee. March, 2011.

Qualitative Research Methods. Presented to the UW Genetic Counseling Training Program. University of Wisconsin - Madison. February, 2012, 2013, 2014, 2015.

U.S. Public Attitudes toward the Precision Medicine Initiative. Presented at NorthShore University HealthSystem. Evanston, IL. November, 2016.

Utilization of Qualitative Research Methods to Assess Health Services Delivery in a Community Health System. Ambulatory Primary Care Innovations Group. Evanston, IL. March, 2017.

Overview of Survey Design for Genetic Counseling Research. Northwestern University. Chicago, IL. March 2010, October 2017.

Implementation Science for Health Services Research. Ambulatory Primary Care Innovations Group. Evanston, IL. January, 2018.

Implementation Science: An Overview for Genetic Health Service Delivery. Molecular Genetic Seminar. Evanston, IL. August, 2018.

Qualitative and Mixed Methods Research in Personalized Medicine. Quality Outcomes Research Network Steering Committee. Evanston, IL. January, 2020.

Outcomes Research in Personalized Medicine. NorthShore University HealthSystem. Evanston, IL. January, 2020.

Next Generation Genetic Medicine: Advancing Primary Care at Swedish Hospital. Swedish Foundation Advisory Board. January, 2021.

Regional

Illinois State Genetic Services Plan: Work Group Overview and Process. Presented at the Illinois State Genetic Services Plan Planning Conference. Chicago, IL. July, 2006.

The Development of the Illinois State Genetic Services Plan. Presented at Community Forums in Rockford and Chicago, IL. October and November, 2006.

Illinois State Genetics Plan Professional Education Implementation. Presented to the IDPH Genetics Program. Skokie, IL. August, 2007.

Overview of Research Methods for Data Sharing of Genome Wide Association Studies Information Sharing: A Community Consultation Model Study. Presented at Northwestern University Center for Genetic Medicine. Chicago, IL. February, 2008.

Incorporating Public Health and Genomics. Presented to the Northwestern University Graduate Program in Genetic Counseling. Chicago, IL. February, 2008.

A Community Consultation Approach to Assessing Public and Biobank Participant Attitudes Toward Collecting and Sharing Genetic Research Data. Presented as a Community Engagement Research Center Seminar, Northwestern University, March, 2009.

Genomics and Public Health: Implications for Genetic Counseling. Presented to the Northwestern University Graduate Program in Genetic Counseling. Chicago, IL. March, 2009.

Public and Biobank Participant Attitudes toward Genetic Research Participation and Data Sharing. Presented at Stakeholder Consensus Meeting at Northwestern University. Chicago, IL. December, 2009.

Institutional Review Board Professionals’ Practices and Understanding of Genetic Research Data Sharing Issues. Presented at Stakeholder Consensus Meeting at Northwestern University. Chicago, IL. December, 2009.

Genomics and Public Health: Implications for Genetic Counseling. Presented to the Northwestern University Graduate Program in Genetic Counseling. Chicago, IL. March, 2010, February 2014.

Overview of Facilitation Processes for a Deliberative Democracy Engagement. Presented at the University of Chicago. November, 2010.

Public and Biobank Participant Attitudes toward Genetic Research Participation and Data Sharing: A Community Consultation Approach. Presented at Indiana University, November, 2010.

Community Engagement Experiences of Six U.S. Biobanks. Presented at Indiana University, November, 2010.

Stakeholder Engagement in Genomics Policy Development: Opportunities and Challenges. Presented at the Annual Wisconsin Genetics Exchange. June, 2014.

National

Introduction to Survey Design. Presented to University of Washington and Case Western genetics and ethics research team. Seattle, WA, via teleconference. August, 2008.

Perspectives of Clinical Genetics Professionals toward Genome Sequencing and Incidental Findings: A Survey Study. CTSA CRE KFC Biobank Working Group Webinar. May 2013.

Stakeholder Engagement in Healthcare Policy Development: Opportunities and Challenges for Genomic Medicine. Center for Genomics Healthcare and Equality Annual Conference. Seattle, WA. October, 2013.

Attitudes toward Genomic Research Participation and Data Sharing. Presented at the AMIA annual education meeting. Chicago, IL. November, 2016.
Stakeholder Engagement in Precision Medicine. Kaiser Permanente. Oakland, CA. September, 2017.

Patient and Provider Perspectives on Pharmacogenomic Testing in a Community Health System. Mayo Individualizing Medicine Annual Conference. Rochester, MN. October, 2017.

Genomic Testing: Strategies and Patient Perspectives. Moderator at American Society of Human Genetics Annual Conference. San Diego, CA. October, 2018.

Patient-Reported Outcomes and Experiences with Population Genetic Testing in Primary Care: A Mixed-Methods Assessment. Personalized Medicine Steering Committee, March, 2020.

Patient and Primary Care Experiences with Population Genetic Testing: Findings and Lessons Learned. CSER Outcomes and Measures Working Group. June, 2020.

Biobank Participation and Returning Research Results: Perspectives from a Deliberative Engagement in South Side Chicago. CSER Stakeholder Engagement Working Group. November, 2020.

Implementation of Population Genetic Testing through a Primary Care Network: Findings and Lessons Learned. Genomics2People Lab. August, 2021.

Addressing Underrepresentation in Genomics Research through Community Engagement: Overview of ASHG Guidance Recommendations for Genomic Researchers. ASHG Summer Impact Panel. July, 2022.

PEER REVIEWED WORKSHOPS/PRESENTATIONS (past ~15 years, more available upon request)

National

Incorporating a Public Health Framework in Genetic Health Care. Presented at the National Society of Genetic Counselors Short Course on Genomics and Public Health. Nashville, TN. November, 2006.

Assessing Public and Biobank Participant Attitudes toward Data Sharing for Genome-Wide Association Studies: A Community Consultation Approach. Presented to NHGRI Expert Scientific Panel. Bethesda, MD. November, 2008.

Community Engagement in Population Genomic Research: Experiences of Six Large EMR-Linked Biobanks in the United States. Presented to NHGRI Expert Scientific Panel. Seattle, WA. August, 2009.

Attitudes toward Genetic Research Review: A National Survey of Institutional Review Board Professionals. Presented at the American Society of Human Genetics Conference. Honolulu, HI. November, 2009.

Attitudes toward Genetic Research Review: Results from a National Survey of Professionals involved in Human Subjects Protection. Presented at the GRRIP Consensus Meeting at the University of Washington. Seattle, WA. February, 2010.

Views of Institutional Review Board Professionals. Presented at the American Society for Bioethics and Humanities Annual Meeting, San Diego, CA. April, 2010.

Identifiability in Genomic Research: Views of Genetic Researchers and IRB Professionals. Presented at the American Society of Human Genetics Social Issues Session, Washington, DC. November, 2010.

Stakeholder Views toward Review of Genetic Research: A Comparative Study. Presented at the Genomics and Public Health Annual Meeting, Bethesda, MD. November, 2010.

Community Engagement in Biobanking: Experiences from the eMERGE Network. Presented at the Genomics and Public Health Annual Meeting, Bethesda, MD. November, 2010.

Building Better Biobanks: An Interactive Stakeholder Workshop. Moderated session at the Genetic Alliance Conference. Bethesda, MD. June, 2011.

Challenges in Research Ethics and Policy: Perspectives on Data Sharing: Researcher's Perspectives. Presented at the eMERGE Stakeholder Conference. Bethesda, MD. July 2011.

Genomic Medicine: ELSI goes Mainstream. Ethical and Social Issues in Genome Sequencing: The Road Ahead. Presented at the American Society of Human Genetics Conference. San Francisco, CA. November, 2012.

Stakeholder Engagement in Genomics Policy Development: What is it? Why do it and how? Social Issues Invited Session, Moderator. Presented at the American Society of Human Genetics Conference. San Diego, CA. October, 2014.

Stakeholder Engagement in Genomics Research: Ethical, Legal and Social Issues. Presented at the NIH/NHGRI CEER Consortium Annual Meeting. Bethesda, MD. March, 2015.

Potential Benefits and Risks of Direct Access Pharmacogenomics Testing: Patient Perspectives following Results Disclosure. Presented at the Genomics and Society ELSI Congress. Farmington, CT. June, 2017.

Delivering Genomics Digitally: Are We Ready? Social Issues Session, Moderator. Presented at the American Society of Human Genetics Virtual Conference. October, 2020.

Patient-reported Outcomes and Experiences with Population Genetic Testing offered through a Primary Care Network. Featured plenary presentation at the American Society of Human Genetics Virtual Conference. October, 2020.

Community Engaged Research in Precision Medicine: Navigating Steps along the Research Continuum in a Vietnamese American Community-based Project. Presented as part of a panel on Engagement with Historically Marginalized Communities: Methods, Positionality and ELSI in Precision Medicine Research. at the 5th ELSI Congress. June, 2022.

PUBLICATIONS

Refereed Journal Publications/Original Papers

1. Lester LA, Kraut J, Lloyd-Still J, Karrison T, Mott C, Billstrand C, **Lemke A**, Ober C (1994). F508 Genotype does not Predict Disease Severity in an Ethnically Diverse Cystic Fibrosis Population. *Peds* 93 (1): 114-118.

2. Mahowald MB, Levinson D, Cassel C, **Lemke A**, Ober C, Bowman J, LeBeau M, Ravin A, Times M (1996). The New Genetics and Women. *Milbank Quarterly* 74 (2): 239-283.

3. **Lemke A**, Dayal S, Geibel L (1998). Preconception Genetic Counseling: Three Years of Experience at a Community-Based Health Center. *J Gen Couns* 7 (1): 71-85.

4. Cella D, Hughes C, Peterman A, Chang C-H., Peshkin BN, Schwartz MD, Wenzel L, **Lemke A**, Marcus A, Lerman C (2002). A Brief Assessment of Concerns Associated with Genetic Testing for Cancer: The Multidimensional Impact of Cancer Risk Assessment (MICRA) Questionnaire. *Health Psychology* 21 (6): 564-572.

5. Bellcross C, **Lemke AA**, Pape LS, Tess AL, Meisner LT (2009). Evaluation of a Breast/ovarian Cancer Genetics Referral Screening Tool in a Mammography Population. *Genetics in Medicine* 11(11): 783-789.

6. **Lemke AA**, Wolf WA, Heibert-Berne J, Smith ME (2010). Public and Biobank Participant Attitudes toward Genetic Research Participation and Data Sharing. *Public Health Genomics* 13 (6): 368-377.

7. **Lemke AA,** Trinid*a*d SB, Edwards KL, Starks H, Wiesner GL, and the GRRIP Consortium (2010). Attitudes toward Genetic Research Review: A National Survey of Professionals involved in Human Subjects Protections. *JERHRE* (5) 1:83-91.

8. Wright Clayton E, Smith M, Fullerton SM, Burke W, McCarty CA, Koenig B, McGuire AL, Beskow LM, Dressler L, **Lemke AA**, Ramos EM, Rodriguez LL, for the Consent and Community Consultation Working Group of the eMERGE Consortium (2010). Confronting Real Time Ethical, Legal and Social Issues in the electronic Medical Records and Genomics Consortium (eMERGE). *Genet Med* Oct;12(10):616-20.

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10. Edwards KL, **Lemke AA**, Trinidad SB, Lewis SM, Starks H, Quinn Griffin M, Wiesner GL and the GRRIP Consortium (2011). Attitudes toward Genetic Research Review: Results from a Survey of Human Genetics Researchers. *Public Health Genomics* 14(6):337-45.

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12. Edwards KL*, **Lemke AA**[**], Trinidad SB, Lewis SM, Starks H, Snappin K, Griffin M, Wiesner GL, Burke W (2012). Genetic Researchers' and IRB Professionals' Attitudes toward Genetic Research Review: A Comparative Analysis. (* ** Co-first authors. *Genet Med* 14(2): 236-242.

13. **Lemke AA**, Halverson C, Ross LF (2012). Biobank Participation and Returning Research Results: Perspectives from a Deliberative Engagement in South Side Chicago. *Am Jr Med Genet Part A.* 158A (5): 1029-1037.

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15. **Lemke AA**, Bick D, Dimmock D, Simpson P, Veith R. Perspectives of Clinical Genetics Professionals Toward Genome Sequencing and Incidental Findings: A Survey Study (2013). *Clin Genet* 84(3): 230-6.

16. **Lemke AA**, Harris-Wai JN (2015). Stakeholder Engagement in Policy Development: Challenges and Opportunities for Human Genomics. *Genet Med* 17: 949-957.

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18. **Lemke AA**, Hulick P, Hutten CG, Sereika A, Glaser N, Wake D. Dunnenberger M (2017). Primary Care Physician Experiences with Integrated Pharmacogenomic Testing in a Community Health System. *Personalized Medicine* 14(5): 389-400.

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21. **Lemke AA**, Thompson J, Hulick PJ, Sereika A, Johnson C, Oshman L, Dunnenberger HM (2020). Primary Care Physician Experiences Utilizing a Family Health History Tool with Electronic Health Record-Integrated Clinical Decision Support: An Implementation Process Evaluation. *J Community Genet* 11(3):339-350.

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25. Madrid S, Blum-Barnett E, **Lemke AA**, Pan V, Paolino V, McGlynn E, Burnett-Hartman A (2022). “A Gift to My Family for Their Future”: Attitudes About Genetic Research Participation. *Public Health Genomics* 25:98-107.

26. Bombard Y, Ginsburg G, Sturm A, Zhou A, **Lemke AA** (2022). Digital Health Enabled Genomics: Opportunities and Challenges. *Am Jr Hum Genet* (accepted)

27. Vassy JL, Brunette CA, Harris E, **Lemke AA,** Antwi A, Jones N, Kerman B (2022). Polygenic Risk Scores change Primary Care Providers’ Preventive Care of Racially Diverse Patients: Results of a National Survey with Randomized Case Scenarios. (submitted)

28. **Lemke AA**, Choi S, Vinh Dang,Tommy Q. Dang, Joon-Ho Yu (2022). Assessing Vietnamese American Patient Perspectives on Genetic Testing in Primary Care: A Community Engaged Approach. (submitted)

29. **Lemke AA*,** Esplin ED, Goldenberg, AJ, Gonzaga-Jauregui C, Hanchard N, Harris-Wai J, Ideozu JE, Isasi R, Landstrom AP, Prince AER, Turbitt E, Sabatello M. Schrier Vergano AD, Taylor MRG, Yu J-H, Brothers KB*, Garrison NA *(2022). Addressing Underrepresentation in Genomics Research through Community Engagement *Contributed equally as Co-Chairs of the ASHG Community Engagement Guidance Working Group. *Am Jr Hum Genet*

Book Chapter

Lemke A *Current Perinatology: An Update in Genetic Prenatal Diagnosis*, Chapter 19. Springer-Verlag. New York, 1989, p. 247-256.

Case Study

Lester L, **Lemke A**, Levinson D, Mahowald M (1995). The Human Genome Project and Women: Cystic Fibrosis Case Study. *Journal of Women's Health* 4 (6): 623-635.

Peer Reviewed Educational Products

1. Anderson R, Albiez-Brooks K, **Lemke A**, Uhlmann W, Valverde K, Genetic Testing for Cystic Fibrosis: A Handbook for Professionals. University of Nebraska-Omaha, 1991, 1997 p. 1-11. Collaborative Genetics.

2. Anderson R, Albiez-Brooks K, **Lemke A**, Uhlmann W, Valverde K, Genetic Testing for Cystic Fibrosis: A Handbook for Families. University of Nebraska-Omaha, 1992, 1997, p. 1-10. Collaborative Genetics.

Non-peer Reviewed Educational Products/Videos

1. Booth C, Kaye C, **Lemke A**, et. al. (1986). An Introduction to Amniocentesis. Videotape. Lutheran General Perinatal Center. Park Ridge, IL.

2. **Lemke A**, Peterson-Falzone S, Robinson L, Young RS (1987). The Genetics of Cleft Lip and Palate. American Cleft Palate Educational Foundation, p. 1-6.

3. **Lemke A.** For Adults with Cystic Fibrosis: Facts on Reproduction. Great Lakes Regional Genetics Group, 1993, p. 1-10.

PROFESSIONAL PUBLIC SERVICE/MEDIA

1. Consanguinity and Risk of Birth Defects. Appeared on the Oprah Winfrey Show “Kissing Cousins" as a genetic counseling expert. Chicago, IL. First aired on television February, 1991.

2. Genetics and Health: The Future is Now. Presented as a March of Dimes National Teleconference Panelist. Triton College. Rivergrove, IL. Aired on television June, 1991.

3. Heritability and Fertility in Cystic Fibrosis: Options for Reproduction. Presented to the International Press Club at an American Medical Association sponsored event, New York, NY, June, 1993.

4. Mixed Methods of Data and Compassion. ASHG Genetically Speaking Podcast. ASHG site online February, 2020. https://www.pathlms.com/ashg/courses/21173