

CURRICULUM VITAE

PERSONAL DATA

Name:	Sharon Lee Reilly Kardia	E-mail:skardia@umich.edu
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EDUCATION

1981-1985	Carnegie-Mellon University, B.S. Biological Sciences
1987-1990	University of Michigan, M.A. Statistics
1985-1991	University of Michigan, Ph.D. Human Genetics (Ph.D. Thesis: "Systems Analysis of the Hormonal Control of Renal Hemodynamics and Sodium Excretion")

POSTDOCTORAL TRAINING

1991	Santa Fe Institute for the Study of Complexity, Complex Systems Summer Program
1991-1992	Department of Microbiology and Immunology Postdoctoral Fellow (Dr. Michael Savageau, University of Michigan)
1992-1993	Department of Human Genetics Postdoctoral Fellow (Dr. Charles F. Sing, University of Michigan)
1993-1994	Department of Human Genetics Research Associate II (Dr. Charles F. Sing, University of Michigan)

ACADEMIC APPOINTMENTS

1994-1998	Assistant Research Scientist, Department of Human Genetics, Medical School, University of Michigan
1998-2003	Assistant Professor, Department of Epidemiology, School of Public Health, University of Michigan
2003-2008	Associate Professor, Department of Epidemiology, School of Public Health, University of Michigan
2008-present	Professor, Department of Epidemiology, School of Public Health, University of Michigan
2008-2012	Chair, Department of Epidemiology, School of Public Health, University of Michigan

2012-present Senior Associate Dean for Administration, School of Public Health, University of Michigan

CENTER AND PROGRAM AFFILIATIONS

1998-present Member, Center for Research on Ethnicity, Culture, and Health, University of Michigan

2000-present Member, Center for Statistical Genetics, University of Michigan

2001-present Member, Bioinformatics Program, University of Michigan

2003-present Member, Center for Social Epidemiology and Population Health, University of Michigan

2007-present Member, Center for Integrative Approaches to Health Disparities (CIAHD), University of Michigan

2003-2011 Director, Public Health Genetics Program, School of Public Health, University of Michigan

2003-2011 Co-Director, Michigan Center for Genomics and Public Health, University of Michigan

2015-present Associated Faculty Member, Center for Midlife Science, University of Michigan

GRANT SUPPORT

Current

National Institutes of Health (R01 HL119443), S. Kardia, P.I., “Genetic Mechanisms of Arteriosclerosis in Hypertensive Sibships,” 09/01/14-08/31/18. Total Direct Costs \$1,706,752.

National Institutes of Health (R25 AG053227), J. Faul, P.I.; S. Kardia, P.I., “Genomic Analysis for Social-Behavioral Scientists,” 09/15/16-04/30/21. Total Direct Costs \$600,044.

National Institutes of Health (R01 HL118305), D.C. Rao, P.I.; S. Kardia, P.I., subcontract “A Multi-Ethnic Study of Gene-Lifestyle Interactions in Cardiovascular Traits,” 01/15/2014-12/31/17. Total Direct Costs \$171,045.

National Institutes of Health (R25 OD016534), J. Krajić, P.I.; S. Kardia, P.I., subcontract “A New Genomic Framework for Schools and Communities,” 05/15/14-02/28/19. Total Direct Costs \$328,560.

National Institutes of Health (U01 AG009740), D. Weir, P.I.; S. Kardia, P.I., subcontract “Health and Retirement Study (YRS 23-28),” 01/01/12-12/31/17. Total Direct Costs \$19,690,145.

National Institutes of Health (R03 AG048806), J. Faul / J. Smith, P.I.; S. Kardia Co-I., “Interplay of Genetic & Socioeconomic Predictors of Memory Decline in Older Adults,” 09/30/14-05/31/17, Total Direct Costs \$200,000.

National Institutes of Health (P60 MD002249), M. de Leon, P.I.; A. Diez-Roux, P.I.; S. Kardia, Co-I., “Michigan Center for Integrative Approaches to Health Disparities (CIAHD),” 09/01/07-08/31/17, Total Direct Costs \$4,400,231.

National Institutes of Health (R01 HL122684), S. Ganesh, P.I.; S. Kardia, Co-I., “Genetic studies of the impact of hematologic traits on cardiovascular disease,” 08/10/15-04/30/20. Total Direct Costs \$2,338,718.

National Institutes of Health (R21 HG009205), A. Stern, P.I.; S. Kardia, Co-I., “Demographic Patterns of Eugenic Sterilization in California,” 06/06/16-05/31/18. Total Direct Costs \$275,000.

National Institutes of Health (R01 HL133221), J. Smith, P.I.; S. Kardia, Co-I., “Epigenetics of Arteriosclerosis in African American Hypertensive Sibships,” 07/01/16-04/30/20. Total Direct Costs \$1,692,170.

National Institutes of Health (U01 AG017719), S. Harlow, P.I., S. Kardia, Co-I., “SWAN Repository IV,” 09/15/16-05/31/21. Total Direct Costs \$5,164,039.

Pending

National Institutes of Health, S. Kardia, P.I., “The Lifecycle of Health Data: Policies and Practices,” 04/01/17-03/31/21. Total Proposed Direct Dollars \$1,683,263. (Score 30; 18th percentile.)

National Institutes of Health, H. Kang, P.I.; S. Kardia, Co-I., University of Michigan subcontract “Genome Studies to Mitigate Disparities in Personalized Medicine,” 11/1/15-10/31/19. Total Proposed Direct Dollars \$7,177,730.

National Institutes of Health, P. Peyser, P.I.; S. Kardia, Co-I., “Genomics of Coronary Artery Calcification Progression: A Multi-Ethnic Consortium,” 04/01/17-03/31/21.

National Institutes of Health, K. Bakulski, P.I.; S. Kardia, Co-I., “Characterizing disparities in late-onset Alzheimer’s disease risk through polygenic risk and epidemiologic factors in the Health and Retirement Survey,” 04/01/17-03/31/20. Total Proposed Direct Dollars \$883,316.

American Heart Association, M. Kho, P.I.; S. Kardia, P.I., “Characterizing disparities in late-onset Alzheimer’s disease risk through polygenic risk and epidemiologic factors in the Health and Retirement Survey,” 01/01/17-12/31/18. Total Proposed Direct Dollars \$75,172.

Previous

National Institutes of Health (R01 HD067264), S. Kardia, P.I., “Linking Community Engagement Research to Public Health Biobank Practice,” 12/20/10-11/30/16. Total Direct Costs \$2,612,312.

National Institutes of Health (R03 AG046389) S. Kardia, P.I., “Genetic and Psychosocial Predictors of Blood Pressure and Body Mass Index,” 09/30/13-06/30/16. Total Direct Costs \$279,900.

National Institutes of Health (R01 HL101161), A. Diez-Roux, P.I.; S. Kardia Co-I, “Stress, Gene-Environment Interaction and Cardiovascular Disease, 06/15/10-06/30/15.

National Institutes of Health (R01 HL086694), A. Chakravarti, P.I.; S. Kardia, P.I., University of Michigan subcontract, “Genome-wide Association Analysis in Essential Hypertension,” 06/01/14-05/31/15,

National Institutes of Health (RC4 AG039029), D. Weir P.I.; S. Kardia, P.I., subcontract “Expanding a National Resource for Genetic Research in Behavioral and Health Science,” 09/30/10-08/31/14.

National Institutes of Health (R01 DK077950) J. Lieske P.I., S. Kardia, P.I., University of Michigan subcontract, “Genetic Determinants of Urine Lithogenicity” 06/01/11-2/28/2014.

National Institutes of Health (R01 NS041558), S. Turner, P.I.; S. Kardia, P.I., University of Michigan subcontract, “Genetics of Microangiopathic Brain Injury,” 08/05/09-07/31/13.

National Institutes of Health (RC1 HG005439), S. Kardia, P.I., “Informed Consent and Data Access Issues in State-based Biobanks,” 09/26/09-01/31/12, Total Direct Costs \$899,991.

National Institutes of Health (R01 HL087660), S. Kardia, P.I., “Genomic Predictors of Arteriosclerosis in Hypertensives,” 04/01/07-03/31/12, Total Direct Costs \$4,590,124

University of Michigan, George M. O’Brien Renal Core Center (P30 DK081943) “Genomic and Transcriptomic Predictors of Albuminuria in Hypertensives,” 8/1/09-2/29/12, Total Direct Costs \$138,174

National Institutes of Health (RC1 HL100185), S. Kardia, P.I., “Epigenetics Predictors of Common Chronic Diseases,” 09/30/09-07/31/12, Total Direct Costs \$998,684.

National Institutes of Health/NCRR (R25 RR022703), T. Citrin, P.I.; S. Kardia, Co-P.I., “Education for Community Genomic Awareness,” (Science Education Partnership Award), 04/01/06-03/31/11.

National Institutes of Health (R01 HL085571), P. Peyser, P.I.; S. Kardia, Co-Investigator, “Predictors of Coronary Artery Calcification in African-American Cohorts,” 09/01/07-06/30/11

National Institutes of Health (RC2 AG036495), D. Weir P.I.; S. Kardia, subcontract, “Creating a National Resource for Genetic Research in Behavioral and Health Sciences,” 09/30/09-08/31/11. Total Subcontract Direct Costs \$210,000

University of Michigan, Ethics in Public Life Research Grants, “Ethical Deliberations on the Michigan Neonatal Biobank” S. Kardia P.I., 5/1/09 -4/30/10, Total Direct Costs \$12,583.

University of Michigan, Center for Local, State, and Urban Policy (CLOSUP) Gerald R. Ford School of Public Policy. Kardia P.I., “Informing the Michigan Neonatal Biobank: Policy Analysis for a Public, Population-based Biobank” 5/1/09 -4/30/10, Total Direct Costs \$15,000.

Pan American Health Organization (PAHO), S. Kardia, P.I., “Translating ‘Measuring Health Disparities’ into Spanish and Portuguese,” 07/01/08-04/30/10, Total Direct Costs \$56,029.

National Institutes of Health (R24 HD047861), G. Kaplan, P.I.; S. Kardia, P.I. Gene-Environment Core, “Michigan Interdisciplinary Center on Social Inequality, Mind & Body,” 09/27/04-08/31/10, Total Direct Costs \$392,257.

National Institutes of Health (U01 HL077101), G. Dorn, P.I.; S. Kardia, P.I., Biostatistics Core, “Genetic and Molecular Signaling in Heart Failure, SCCOR” 02/22/05-12/31/09, Total Subcontract Direct Costs \$526,559.

Associations of the School of Public Health/CDC (S1957-21/23), T. Citrin, P.I.; S. Kardia, Co-P.I., “Center for Public Health and Community Genomics,” 09/01/05-08/31/09.

National Institutes of Health (R01 HL075794), I. Kullo, P.I.; S. Kardia, P.I. of subcontract, “Biomarkers for Peripheral Arterial Disease,” 09/22/03-08/31/08, Total Direct Costs \$529,180.

National Institutes of Health (U01 HL054481), E. Boerwinkle, P.I.; S. Kardia, P.I. of subcontract, “The Family Blood Pressure Program (GENOA Network),” 09/30/05-8/31/08, Total Direct Costs \$529,634.

National Institutes of Health (R01 HL68737), S. Kardia, P.I., “Genetic Predictors of Incident CVD,” 03/05/02-12/31/07, Total Direct Costs \$2,315,000.

National Institute of Health/NHLBI, C. Sing, P.I.; S. Kardia, Co-Investigator., “Modeling DNA Diversity in Reverse Cholesterol Transport,” 06/01/03-05/31/07.

National Institute of Health (AG12975), M. Haan, P.I.; S. Kardia, Co-Investigator, “Epidemiology of Functional Status in Elderly Hispanics,” 09/01/03-03/31/07.

National Science Foundation (BCS 0525011), T. Citrin, P.I.; S. Kardia, Co-P.I., “Building a Research Community on Genetics and Racial/Ethnic Identity,” 09/01/05-03/31/07.

University of Michigan President’s Ethics in Public Life Initiative, S. Kardia, P.I., “When Faith

Meets Science: An Evolving Dialogue on New Choices and New Technologies,” 09/01/06-12/31/06.

Associations of the School of Public Health/CDC (S3204-23/23), S. Kardia, P.I., “Predictors of Blood Pressure in Hypertensives,” 10/01/03-09/30/06.

National Institutes of Health (U01 HL72524), D. Arnett, P.I.; S. Kardia, P.I. of U of M subcontract, “Genetic and Environmental Determinants of Triglycerides,” 09/30/02-08/31/06.

National Institutes of Health (R01 HL46292), P. Peyser, P.I.; S. Kardia, Co-Investigator, “Epidemiology of Coronary Artery Calcification,” 04/16/91-02/28/06.

National Institute of Health (R01 HL65234), J. Moore, P.I.; S. Kardia, P.I., U of M subcontract. “Genetic Architecture of Plasma T-PA and PAI-1,” 09/30/00-07/31/05.

National Institute of Health (U01 HL54457) S. Kardia, P.I., “Genetic Determinants of High BP in Three Racial Groups (NETWORK),” 09/01/00-06/30/05.

American Heart Association (0130567Z) S. Kardia, P.I., “New Methods for Understanding the Genetic Architecture of Reverse Cholesterol Transport,” 07/01/01-06/30/04.

National Institute of Health (U19 CA84953) S. Hanash, P.I.; S. Kardia, Co-P.I., Biostatistics Core, “Toward a Molecular Classification of Tumors,” 09/30/99-03/29/04.

National Institute of Health (R01 CA84982) S. Hanash, P.I.; S. Kardia, Co-Investigator, “Proteomic Biomarker Laboratory,” 09/30/99-03/29/04.

University of Michigan, Institute of Gerontology Pilot Grant, S. Kardia P.I., “Genetic Epidemiology of Type 2 Diabetes and Vascular Complications in Elderly Mexican-Americans,” 07/01/02-06/30/03.

National Institute of Health (R01 HG01881) T. Jayaratne, P.I.; S. Kardia, Co-Investigator, “Beliefs among Whites and African-Americans about genetic causes for gender, class, and race differences: Socio-political and educational implications,” 07/01/99-06/30/02.

University of Michigan Life Sciences and Human Values Pilot Grant, S. Kardia, P.I., “Avenues and obstacles to translating upstream genetic knowledge into downstream public health practice,” 03/01/01-02/18/02.

University of Michigan Rackham Faculty Grant, S. Kardia, P.I., “Genomic Sharing in Affected and Unaffected Sibs,” 11/01/99-10/31/00.

Consultant

J. Taylor, P.I., “Early Gene-Environment Risks for High Blood Pressure among African American Children,” Yale University, 09/01/09-04/18/12.

C. McBride, P.I., “Multiplex Genetic Susceptibility Test,” NHGRI, 05/01/06-04/30/07.

S. Turner, P.I., "Genetics of Chronic Kidney Disease," Mayo Clinic 02/22/06-01/31/11.

A. Shields, P.I., "Genetics, Vulnerable Population and Health Disparities," Harvard University, 09/01/04-07/31/07.

O. Pomerleau, P.I., "Candidate Genes for Smoking in Related and Unrelated Individuals," University of Michigan, 08/15/03-04/30/08.

HONORS AND AWARDS

1985-1988 NIH Genetics Training Grant Fellowship

1985-1988 Thorneau Molecular Genetics Award

1989-1990 Horace Rackham Predoctoral Fellowship, University of Michigan

1990 Horace Rackham Thesis Grant, University of Michigan

2001 American Heart Association, Scientist Development Award Grant

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Heart Association

American Public Health Association

American Society of Human Genetics

American Statistical Association

Arteriosclerosis Thrombosis and Vascular Biology Council

Atherosclerosis

High Blood Pressure Research Council

International Biometric Society

International Genetic Epidemiology Society

Society for Epidemiological Research

The American Physiological Society

SCIENTIFIC JOURNAL REVIEW

American Journal of Epidemiology

American Journal of Human Genetics

Annals of Epidemiology

Atherosclerosis

Arteriosclerosis

Arteriosclerosis Thrombosis and Vascular Biology

Bioinformatics

Circulation

Circulation Research

Clinical Genetics

European Journal of Human Genetics

Genetic Epidemiology
Genetics in Medicine
Genome Research
Human Genetics
IBM Systems Journal
Journal of American Statistical Association
Journal of Molecular Medicine
Metabolism
Statistics in Medicine
Stroke
Trends in Genetics

TEACHING ACTIVITIES

University of Michigan

- 1988, 1989 Lecturer in Human Genetics for the Office of Minority Affairs Pre-Matriculations Program, University of Michigan Medical School
- 1994 Instructor for Psychology/Women's Studies 401(481) "Genes and Gender"
- 1997, 1998 Instructor for School of Public Health Summer School Program, "Introduction to Public Health Genetics" (Epidemiology 758)
- 1999-2003 Instructor for School of Public Health "Strategies and Uses of Epidemiology" (Epidemiology 503, ~175 students/term)
- 2001 Instructor for School of Public Health "Genetics in Epidemiology" (Epidemiology 516, ~30 students/term)
- 2001-2006 Instructor for School of Public Health Summer School Program, "Introduction to Genetics in Epidemiology" (Epidemiology 773)
- 2003-2009 Instructor for School of Public Health "Applications in Public Health Genetics" (Epidemiology 513, ~30 students/term)
- 2005 Instructor for "Public Health at the Crossroad of Science and Social Values," Telluride Association Summer Program (TASS 102)
- 2005-2009 Instructor for School of Public Health, "Advanced Genomic Epidemiology" (Epidemiology 817)
- 2010-2011 Instructor for School of Public Health "Introduction to Genetics in Public Health" (Epidemiology 515, ~50 students/term)
- 2010-2012 Instructor for School of Public Health, "Critical Appraisal of Epidemiologic Studies" (Epidemiology 811)

- 2011-present Instructor for School of Public Health “Strategies and Uses of Epidemiology” (Epidemiology 503, ~225 students/term)
- 2012-present Instructor for School of Public Health online offering of “Strategies and Uses of Epidemiology” (Epidemiology 503-881, ~40 students/term online)
- 2015 Instructor for School of Public Health “Readings in PharmacoEpidemiology” (Epidemiology 624, ~17 students/term)

STUDENTS MENTORED

Master’s Thesis Students – 2003-2015

Lee, Beatrice
Chanowski, Eric
Avery, Christy
Cassidy, Andrea
Blondin, Jamie
Greene, Michael Todd
Hisamatsu, Kumiko
Kaleda, Samir
Lagoy, Caroline
Meyers, Kristin
Payne, Erin
Quareshi, Sabah
Hannosh, Vivian
Lassiter, Elizabeth
Medzihradsky, Oliver
Meier, Paul
Hampton, Claire
Bomotti, Samantha
Evans, Shara
Gao, Chenwei
Skiba, Jessica
Riehle, Ellen
Schrager, Jillian
Mao, Guangmei
Qiang, Wenqin

Doctoral Students (Current)

Brown, Kristen (Epidemiology)
Kho, MJ (Epidemiology)

Doctoral Students (Previous)

Fingerlin, Tasha (Epidemiology) Ph.D. Thesis Title: “Applications of Association and Linkage

- Methods in Complex Traits,” defended June 2003. Current position: Associate Professor at University of Colorado
- Brandt, Mary Grace (Epidemiology) Ph.D. Thesis Title: “Public Health Genetics Challenges – Scientific and Social,” defended February 2004. Current position: State of Michigan, Department of Community Health
- Cote, Michele (Epidemiology) Ph.D. Thesis Title: “Early Onset Lung Cancer: Racial Differences in Familial Aggregation, Genetic Polymorphisms and Survival,” defended February 2004. Current position: Associate Professor at Karmanos Cancer Institute
- Levin, Albert (Epidemiology) Ph.D. Thesis Title: “Detecting Chromosomal Regions of Aberrant Gene Expression,” defended November 2004. Current position: The Henry Ford Health System
- Meyers, Kristen (Epidemiology) Ph.D. Thesis Title: “Genetic Architecture of Echocardiographically Determined Measures of Left Ventricular Remodeling in African-Americans of the Genetic Epidemiology Network of Arteriopathy (GENOA) Study,” defended April 2009. Current position: Global Patient Safety Research Scientist - Pharmacoepidemiology at Eli Lilly and Company
- Kelly, Reagan (Bioinformatics) Ph.D. Thesis Title: “The Development and Application of a Risk Index to Predict the Individualized Chronic Disease Risk,” defended October 2009. Current position: Bioinformatician, ICF International
- Greene, Michael Todd (Epidemiology) Ph.D. Thesis Title: “Social and Biological Predictors of Blood Pressure in Hypertensives,” defended September 2009. Current position: Research Investigator, University of Michigan Health Systems
- Smith, Jennifer (Epidemiology) Ph.D. Thesis Title: “The Genetic Architecture of Leukoaraiosis and Cognitive Function” defended December 2010. Current position: Assistant Research Professor, University of Michigan School of Public Health, Department of Epidemiology
- Wu, Chun-Yi (Epidemiology) Ph.D. Thesis Title: “The Genetics of Blood Pressure and Body Mass Index: The Tale of two Major Risk Factors,” defended November 2012. Current position: Research Analyst, University of Michigan, Department of Internal Medicine
- Zagel Lazarus, Alicia (Epidemiology) Ph.D. Thesis Title: “Unraveling the Role of Epigenetics in Aging and Chronic Disease,” defended February 2013. Current position: Biostatistician, Department of Orthopedic Surgery, Stanford University
- Bragg-Gresham, Jennifer (Epidemiology) Ph.D. Thesis Title: “Genetic Insights into Aging and Age-Related Diseases among Varied Pedigree Structures,” defended March 2013. Current position: Assistant Research Scientist, Nephrology/Internal Medicine, Kidney Epidemiology and Cost Center (KECC) University of Michigan School of Public Health

Payne, Erin (Epidemiology) Ph.D. Thesis Title: “Genetic studies of salivary cortisol profiles and their influence on chronic disease risk factors,” defended March 2013. Current position: Healthcare Data Analyst, Northrop Grumman

Stenzel, Stephanie (Epidemiology) Ph.D. Thesis Title: “Genome-wide approaches to identifying the etiologies of complex diseases: applications in colorectal cancer and congenital heart disease,” defended June 2013. Current position: Assistant Member of Cancer Epidemiology at Moffitt Cancer Center

Platt, Jodyn (Health Services Organization and Policy) Ph.D. Thesis Title: “Public Trust in Health Information Systems: A Strong Fabric or the Emperor’s New Clothes?,” defended October 2014. Current position: Assistant Professor, Department of Learning Health Sciences, School of Medicine, University of Michigan

Sheth, Neha (Epidemiology) Ph.D. Thesis Title: Investigation of the Relationship of Statin Medication Use, Fasting Blood Glucose Levels and Type 2 Diabetes Mellitus,” defended October 2014. Current position: Executive Director, Benefit/Risk and Risk Management Global Head, Risk Management, Global Pharmacovigilance, Astellas Pharma US, Inc.

INVITED PRESENTATIONS

“Apolipoprotein E Genotype and Gender Influence the Regression of Lipid and Apolipoprotein Levels on Concomitants in the Population at Large,” The American Society of Human Genetics, 40th Annual Meeting, Baltimore, MD, November 11-15, 1989.

“Systems Analysis of Sodium Excretion and Renal Hemodynamics,” The Second Systems Science Symposium, Tampa, FL, August, 1992.

“Linkage Analysis, Short Course on Molecular Diagnostics, Counseling, and the Human Genome Project,” University of Michigan, August, 1992.

“Genetics of Common Diseases,” The Medical University of South Carolina, Department of Biostatistics, Epidemiology, and Systems Science, March, 1993.

“Apolipoprotein E Genotype as a Predictor of Presence of Coronary Artery Calcification,” The American Society of Human Genetics 45th Annual Meeting, Minneapolis, MN, October 24-28, 1995.

“Beyond the Baconian, Mendelian, Cartesian Paradigm: Genetics after the Human Genome Project,” The European Research Conference on Inherited Disorders and their Genes in Different European Populations, San Feliu de Guixols, Spain, November 9-10, 1995.

“Genetic Architecture of Common Complex Diseases: Lessons from the Studies of the Apolipoprotein E Polymorphism,” The Medical University of South Carolina, Department of Medicine, January, 1996.

“A Search for Functional Mutations in the Lipoprotein Lipase Gene Region that Influence

- Quantitative Intermediate Risk Factors for Coronary Artery Disease,” The American Society of Human Genetics 46th Annual Meeting, San Francisco, CA, October 30-November 3, 1996.
- “Contributions of an Evolutionary Perspective to Studying the Genetic Architecture of Susceptibility to Cardiovascular Disease,” Conference on the Evolution of Health and Disease, Sion, Switzerland, April, 6-12, 1997.
- “Genetic Epistemologies: A Window into the Complexity of Gene-Gender Studies,” Symposium on Genes and Gender, Ann Arbor, MI, September 30, 1999.
- “Where Have We been and Where are We Going,” Conference on Complexity Research and Biotechnology in Agriculture and Medicine, Bozeman, MT, October 5-10, 1999.
- “An Application of the Combinatorial Partitioning Method to Identify Genes that Predict Blood Pressure Levels,” The American Society of Human Genetics Meetings, San Francisco, CA, October, 1999.
- “Candidate Gene Studies in Cardiovascular Disease,” Banbury Conference, Genetic Epidemiology of Common Diseases, Cold Spring Harbor, NY, June 11, 2000.
- “The Combinatorial Partitioning Method,” The 11th Annual Symposium on Combinatorial Pattern Matching, Montreal, Canada, June 21-23, 2000.
- “Identifying Combinations of Genes and Environments that Influence Risk of Hypertension,” Department of Human Genetics, University of Pittsburgh, July 6, 2000.
- “An Application of the Combinatorial Partitioning Method to Identify Gene-Gene and Gene-Environment Combinations that Predict Blood Pressure Levels,” The Genetics of Experimental and Human Hypertension Symposium, Medical College of Ohio, August 17-18, 2000.
- “Untangling the Complex Genetic Architecture of Coronary Artery Disease,” Public Health Genetics Symposium, University of Michigan, September 22, 2000.
- “Neural Networks, Regression Trees, and Other Crazy Approaches,” The Modeling and Analysis of Genome–Quantitative Phenotype Relationships Conference, University of Michigan, November 3-4, 2000.
- “Genetics in Public Health and Medicine in the Community,” Christiana Care, Delaware, December 7, 2000.
- “The Human Genome Project,” University of Michigan Alumni Association of Delaware, Wilmington, DE, May 14-15, 2001
- “Gene Expression Profiles of Lung Adenocarcinoma,” The Vanderbilt Neurogenomics Conference, Vanderbilt University, Nashville, TN, May 22, 2001.

- “What is Inherited?” Joint Congress of Epidemiology, Toronto, Ontario, Canada, June 13-16, 2001.
- “Lessons from the Genetic Architecture of CVD,” American Diabetes Association’s 61st Scientific Sessions, Philadelphia, PA, June 22-26, 2001.
- “Understanding the Genetic Architecture of Cardiovascular Disease,” McDermott Center for Human Growth & Development Human Genetics Seminar, Dallas, TX, November 5, 2001.
- “Gene Expression Profiling of Human Lung Adenocarcinoma,” Center for Statistical Genetics, University of Michigan, December 5, 2001
- “What is Public Health Genetics?,” University of Michigan, School of Public Health, April 11, 2002.
- “Family-Centered Approaches to Understanding and Intervening in Coronary Heart Disease,” Family History for Public Health and Preventative Medicine Workshop, CDC Genomics and Disease Prevention, Decatur, GA, April 30-May 2, 2002.
- “The Old and New Pharmacogenetics and its Applications to Populations,” Michigan Statewide Genetics Symposium, Population Screening Across the Lifespan, Lansing, MI, June 7, 2002.
- “Analysis Strategies for Tumor Gene Expression Profiles,” Complex Disease Genetics Visiting Scholars Series, University of Pennsylvania, Philadelphia, PA, September 19, 2002.
- “Where has Genetic Determinism been and Where is it Going?” Biotechnology and Complexity in Agriculture and Medicine, Bozeman, MT, October 6-10, 2002.
- “Family-Centered Approaches to Understanding and Intervening on Coronary Heart Disease,” American Public Health Association 130th Annual Meeting and Exposition, Philadelphia, PA, November 9-13, 2002.
- “Gene-Gene and Gene-Environment Interactions in Cardiovascular Disease,” Michigan Department of Community Health, Lansing, MI, January 16, 2003.
- “Gene-Environment Interactions in Cardiovascular Disease,” Center for Human Growth and Development, University of Michigan, Ann Arbor, MI, March 19, 2003.
- “Genetics of Hypertension,” University of Michigan Life Sciences, Values, & Society Program, Ann Arbor, MI, March 30, 2003.
- “Chromosomal Patterns of Gene Expression,” Bioinformatics Seminar Series, Bioinformatics Department, University of Michigan, Ann Arbor, MI, April 17, 2003.
- “The Human Genome & Heredity,” Six Weeks to Genomic Awareness for Public Health Professionals, Michigan Department of Community Health, Lansing, MI, May 13, 2003.

- “Genes in Populations,” Six Weeks to Genomic Awareness for Public Health Professionals, Michigan Department of Community Health, Lansing, MI, May 19, 2003.
- “Gene-Environment Interactions,” Six Weeks to Genomic Awareness for Public Health Professionals, Michigan Department of Community Health, Lansing, MI, June 9, 2003.
- “Integrating Biology into Epidemiology of Cardiovascular Disease,” 36th Annual Meeting of the Society for Epidemiologic Research, Atlanta, GA, June 11-14, 2003.
- “The Human Genome: A Review of Genetic Concepts,” Center for Human Growth & Development, University of Michigan, Ann Arbor, MI, September 16, 2003.
- “Antihypertensive Pharmacogenetics,” 57th Annual Fall Conference of the Council for High Blood Pressure Research in Association with the Council on Kidney in Cardiovascular Disease, Washington, DC, September 24, 2003.
- “Genetics: How Family History Fits with Early Identification or Risk and the Need of Preventative Action,” 16th Great Lakes Regional Cardiovascular Health Conference, Chicago, IL, December 7-9, 2003.
- “Genetics and Public Health,” University of Michigan Executive Masters Program in Health Management and Policy, Ann Arbor, MI, February 6, 2004.
- “What Would You Do with a 400,000 SNP Case-Control Study?,” Keynote Speaker, 22nd Annual Epidemiologic Research Exchange, University of Colorado Health Sciences Center, Colorado State University, Denver, CO, March 12, 2004.
- “Genetics of Cardiovascular Disease,” 2004 Annual Michigan Genetics Symposium, Department of Medical Genetics, Henry Ford Health System, Detroit, MI, May 7, 2004.
- “Exploring the Role of Genomics in Chronic Disease Prevention,” 2004 Chronic Disease Prevention and Management Conference, Steps to a Healthier Michigan, Lansing, MI, May 11, 2004.
- “Introduction to Genomics and Public Health,” Genomics and Chronic Disease: Project Officer and Program Consultant Workshop, Centers for Disease Control, Atlanta, GA, June 4, 2004.
- “Genetic Testing,” Genomics and Chronic Disease: Project Officer and Program Consultant Workshop, Centers for Disease Control, Atlanta, GA, June 4, 2004.
- “Cardiovascular Health and Genomics,” Genomics and Chronic Disease: Project Officer and Program Consultant Workshop, Centers for Disease Control, Atlanta, GA, June 4, 2004.
- “Cardiovascular Disease Genetics,” Medical Resident Lecture Series, Oakwood Hospital and Medical Center, Dearborn, MI, September 1, 2004.
- “The Human Genome Project and the African American Community,” 2004 Zeta Phi Beta

- Sorority, Michigan State Meeting, Ann Arbor, MI, September 18, 2004.
- “Bridging Genomics and Population Health,” Conference on Implications of Genomics for Public Health, Institute of Medicine, National Academy of Sciences, Washington, DC, October 7-8, 2004.
- “Unprecedented Choices,” Evidence Based, Opinion Based and Real World Agriculture & Medicine Workshop, Bozeman, MT, October 10-13, 2004.
- “What is the Role of Health Behavior and Health Education in Public Health Genetics?” The Challenge Ahead: Implications of Genomics for Health Behavior and Health Education Symposium, Public Health Genetics Program, University of Michigan, October 14-15, 2004
- “Our Genetic Future: Dream or Nightmare?” Undergraduate Research Opportunity Program, Biotechnology Education on Campus (BEC), University of Michigan, Ann Arbor, MI, October 27, 2004
- “Bridging Genomics and Population Health,” Centers for Disease Control Public Health Genomics Day, Atlanta, GA, January 27, 2005.
- “The Ins and Outs of Genetics and Ethnicity,” Building Interdisciplinary Research Careers in Women’s Health (BIRCWH) K12 Career Development Seminar, University of Michigan, Ann Arbor, MI, April 5, 2005.
- “The Human Genome Project,” The 2005 Rho Delta Zeta Sorority Incorporated Michigan State Meeting, Ann Arbor, MI, April 17, 2005.
- “Genomics and the Public’s Health in the 21st Century: Overview of IOM Committee Report,” University of Washington, Public Health Genetics Institute, Seattle, WA, June 1, 2005.
- “Genomic Priorities for Improving the Public’s Health,” University of Michigan, Tobacco Research Network Conference on Genetic Research on Smoking, Ann Arbor, MI, June 9, 2005.
- “Measuring Genetic Variations in Population Studies,” Institute of Medicine Workshop on Assessing Interactions between Social, Behavioral, and Genetic Factors, Washington, DC, June 16-17, 2005.
- “The Genetics of Race and Ethnicity,” Institute of Medicine Workshop on Assessing Interactions between Social, Behavioral, and Genetic Factors, Washington, DC, June 16-17, 2005.
- “Future of Genomics in Cancer,” Practical Application of Cancer Genetics in Public Health Round Table, Michigan Department of Community Health and Michigan Cancer Genetics Alliance, June 24, 2005.
- “Reflections on the Social and Regulatory Implications of a Large Genetic Cohort Study,” Secretary's Advisory Committee on Genetics Health and Society, Washington, DC,

October 19, 2005.

“Gene-Diet Interactions in Cardiovascular Disease,” Diet & DNA; The Promises and Challenges of Nutrigenomics, Michigan State University, East Lansing, MI, November 4, 2005.

“Genetics, Race and Ethnicity,” Towards a Synthesis of Genetic, Social and Political Perspectives, Institute for Mind and Biology, University of Chicago, Chicago, IL, November 29, 2005.

“What Does Genetics Tell Us About Race?” Towards a Synthesis of Genetic, Social and Political Perspectives, Rainbow/PUSH Headquarters, Chicago, IL, November 29, 2005.

“Common Ground at the Intersection of Science and Spirituality,” Science and Spirituality: Searching for Common Ground, University of Michigan Program in Creativity and Consciousness Studies, University of Michigan, Ann Arbor, MI, December 1, 2005.

“Sources of Heterogeneity,” Predictive Models of Cancer Susceptibility: Integrated Strategies, National Cancer Institute, Newport Beach, CA, December 6, 2005.

“What Do Scientists Do? The Nuts and Bolts of the Scientific Process,” The Ann Arbor Reads Program, Ann Arbor District Library, Ann Arbor, MI, January 23, 2006.

“Outside-In and Inside-Out from the Genetics Perspective,” NSF Building a Research Community on Genomics and Racial/Ethnic Identity Seminar, University of Michigan, Ann Arbor, MI, February 7, 2006.

“Genetics of Cardiovascular Disease,” Surveyor of Molecular Epidemiology, Michigan State University, East Lansing, MI, March 28, 2006.

“Genetic Epidemiology of Cardiovascular Disease,” 5th Annual Michigan Epidemiology Conference, University of Michigan, Ann Arbor, MI, March 31, 2006.

“Leaping the Chasm Between Science and Public Engagement,” Genetic Diversity and Science Communication Workshop, Toronto, ON, April 28, 2006.

“Gene-Diet Interactions in Cardiovascular Disease,” Michigan Dietetic Association, 2006 Annual Conference, Livonia, MI, May 18-20, 2006.

“Applications of Genomics to Public Health Challenges,” National Human Genome Research Institute, Bethesda, MD, May 22, 2006.

“Genomics and Public Health: Opportunities and Challenges,” Connecticut Genomics Action Plan Advisory Committee, Connecticut Department of Public Health, Hartford, CT, May 31-June 2, 2006.

“Gene-Environment Interactions and Cardiovascular Disease,” Enhancing Capacity to Study Gene-Environment Interactions in Complex Traits: Implications for Health Disparities, Harvard University, Cambridge, MA, June 21, 2006.

- “Academic-Practice Collaborations in Public Health Genomics,” University of Michigan, School of Public Health Summit between Governmental Public Health and Academia, Ann Arbor, MI, September 25, 2006.
- “Genetics and Disparities,” Achieving Equity in Genetic Policy Through Diversity in Decision Making, Genetics Equity Network Workshop, Howard University, Washington, D.C., October 5, 2006.
- “Equity in Genetics Overview,” CDC Prevention Research Centers NCC Annual Business Meeting, Flint, MI, October 19, 2006.
- Genomics at the University of Michigan School of Public Health,” Michigan Public Health Institute Board of Directors Meeting, University of Michigan School of Public Health, Ann Arbor, MI, February 6, 2007.
- “GEMINI; Genetics, Ethics and Meaning Initiative,” Urban Research Council Board Meeting, Detroit, MI, March 14, 2007.
- “The Pain and the Joy of Genomics – Can We See Humans as Both Scientific and Spiritual?” Interfaith Round Table of Washtenaw County, Ann Arbor Public Library, Ann Arbor, MI, March 14, 2007.
- “New Visions in Public Health Genetics,” NHGRI DIV Seminar Series, Bethesda, MD, April 11-12, 2007.
- “Encountering GEMINI – Genetics, Ethics and Meaning Initiative,” National Conference for Community Justice Professionals Dialogue Group on Genetic Frontiers, Beaumont Hospital, Royal Oak, MI, April 23, 2007.
- “From Gene Discovery to Individual and Population Health Practice,” Robert Wood Johnson Health Society Scholars Annual Meeting, Chicago, IL, May 2, 2007.
- “Gene Environment Interactions and Health Disparities,” WEACTION Conference: Genetics and Justice Symposium. New York, NY, September 23-24, 2007.
- “What is Genomics?” Midwest Community Genomics Forum, Flint, MI, October 12, 2007.
- “The Human Genome Project and its Implications,” Mount Nittany Medical Center Family Medicine Seminar Series, State College, PA, November 15-16, 2007.
- “We’re not in Kansas Anymore,” Translating “ELSI”: Global Perspectives in Research on the Ethical, Legal and Social Implications of Human Genome Research, Cleveland, OH, May 1-2, 2008.
- “Population Stratification and Screening,” NHGRI Seminar Series, Applications of Genomics to Public Health Challenges, Bethesda, MD, May 21-22, 2008.
- “Evidence Issues and Standards in Genomics,” Institute of Medicine Roundtable on Translating Genomic-Based Research for Health, Washington, DC, October 6-7, 2008.

- “Early ARIC analysis: The Michigan experience”, FBPP-FEHGAS Meeting, University of Texas, Huston, TX. January, 26-27, 2009
- “Epidemiology in the 21st Century,” 2008-2009 Young Epidemiology Scholars (YES), The Keck Center of the National Academies, Washington, DC, April 17-19, 2009.
- “Concepts of Personal and Collective Identity: Patterns of Pain or Cycles of Gain,” Discovering Openness in Health Systems, Genetic Alliance Annual Conference in Metro Washington DC, July 17-18, 2009.
- “Epidemiology in the 21st Century,” 44th Graduate Summer Session in Epidemiology, University of Michigan School of Public Health in Ann Arbor, Michigan July 12-31, 2009.
- “The Public’s Perceptions Related to Uses of Newborn Screening Dried Blood Spots,” 12th Annual Meeting of National Coalition for Health Professional Education in Genetics (NCHPEG), Bethesda, MD, September 23-24, 2009.
- “Risk Prediction of Chronic Disease Outcome using Ensemble Modeling Methods”, University of Washington, St Louis, MO, November 11-12, 2009
- “GWAS Studies: Behind the Scenes,” National Institute on Aging (NIA), National Institute of Health (NIH), Meeting of the Health and Retirement Study Data Monitoring Committee (DMC)
- "Genome-wide Association Study of the Health and Retirement Cohort," Cambridge, MA, December 3-4, 2009
- "Newborn Screening: Public Health, Private Health, Population Health," NBS Summit: Envisioning the Future of Newborn Screening, Bethesda, MD, December 7-8, 2009
- "Genetic Epidemiology Network of Arteriopathy GWAS," NHLBI STAMPEED Steering Committee Meeting, Houston TX, December, 8-10, 2009
- “Opportunities for broader research,” Challenges and Opportunities in Using Newborn Screening Samples for Translational Research: A Workshop,” Institute of Medicine, Washington, DC, May 24, 2010
- “Genome-wide Association Studies - Opportunities and Challenges,” RAND Summer Institute, Santa Monica, CA, July 12-13, 2010
- “Panel on Community Engagement in Policy: The Why, What, When and How,” GenoCommunity Think Tank: First National Meeting, St. Louis, MO, September 20-21, 2010
- “What Can Understanding of Genetics and Biology Bring to the Study and Elimination of Health Disparities?,” Center for Integrative Approaches to Health Disparities 2nd Annual Symposium for Junior Investigators, Jackson, MS, September 22, 2010

- “Opt-In/Opt-Out,” 4th National Conference on Genomics and Public Health, Bethesda, MD, December 8-10, 2010
- “The Value of a Population-based Tissue Repository” Methods for Promoting Public Dialogue on the Use of Residual Newborn Screening Samples for Research, University of Utah, January 20, 2011
- “Beyond GWAS,” Graduate Institute of Clinical Medical Science, China Medical University, Taiwan, February 2011
- “Gene-Environment Interaction in Common Diseases,” Graduate Institute of Clinical Medical Science, China Medical University, Taiwan, February 2011
- “Genome-Wide Association Studies of Cardiovascular Disease,” Graduate Institute of Clinical Medical Science, China Medical University, Taiwan, February 2011
- “Epigenetics in Epidemiology Studies,” Graduate Institute of Clinical Medical Science, China Medical University, Taiwan, February 2011
- “Genetic Influences on Women’s Health,” The 45th Donald W. Gudakunst Memorial Lecture, Dr. MaryFran Sowers Memorial Symposium, University of Michigan, Ann Arbor, Michigan, October 2011
- “Public Health Genetics in the 21st Century,” Deadly Medicine: Creating the Master Race, Reflections on Deadly Medicine Symposium, University of Michigan, Ann Arbor, Michigan, March 29, 2011
- “Update on the Genomics Data in the Health and Retirement Study,” Trinity College of Dublin, TILDA Scientific Advisory Board, Dublin, Ireland, May 11, 2012
- “Building a Biomedical Research Career: Strategy, Sanity and Success,” The Elliot Newman Society Mater of Science in Clinical Investigation and Master of Public Health Programs, The 13th Annual Visiting Scholars Day Dinner Keynote Address, Vanderbilt University, Nashville, TN, June 6-7, 2012
- “Genotyping of the Health and Retirement Study Update,” National Institute on Aging, Summer (staff) Retreat, Bethesda, MD, June 25-26, 2012
- “Importance of Teaching in the Health Sciences,” Center for Research on Learning and Teaching (CRLT), The University of Michigan, Ann Arbor, MI, August 24, 2012
- “Genomics Data in the Health and Retirement Study,” National Institute on Aging, Health Retirement Study Data Monitoring Committee Meeting, Washington, DC, September 5-7, 2012
- “Unraveling the role of epigenetics in aging and chronic disease,” Interdisciplinary Group Seminar (IGS), University of Michigan, Ann Arbor, Michigan, October 15, 2012

- “Exploring the Michigan BioTrust for Health,” Bio-banking: Uses and Dilemmas, 2012 Common Read Event, University of Michigan, Flint, Michigan October 9, 2012
- “Genomics Data in the Health and Retirement Study,” HRS Co-Investigators Seminar, University of Michigan, Ann Arbor, Michigan, October 25, 2012
- “Genomic Analysis of Complex Traits” Population Association of American Annual Meeting, Biomarker Network Meeting, New Orleans, Louisiana, April 10-11, 2013
- “Epigenetics and the HRS” National Institute on Aging HRS Data Monitoring Committee Meeting, Bethesda, Maryland April 17-19, 2013
- “Genomics in the Health and Retirement Study,” Population Studies Center Speaker Series, Institute for Social Research, University of Michigan, Ann Arbor, Michigan, December 9, 2013
- “Public Health in the 21st Century” Center for HealthCare Research and Transformation Policy Fellowship Session, University of Michigan, Ann Arbor, Michigan, February 7, 2014
- “Genomics in NHANES” Guidelines for Returning Individual Results from Genome Research Using Population-Based Banked Specimens, National Academies of Science, Washington, DC, February 10-11, 2014
- “Communicating about Genetics with Communities and the Public” Symposium for Young Investigators sponsored by the Michigan Center for Integrative Approaches to Health Disparities (CIAHD) and the Jackson Heart Study, Detroit, Michigan, May 15, 2014
- “Genetic Association Studies” Expert Meeting on Assessing and Encouraging Interaction between Genetic and Social-Behavioral Models, Institute of Medicine, Washington, DC, August 12-13, 2014
- “Flipping the Classroom” Faculty Learning Community on Flipped Classrooms, Center for Research on Learning and Teaching, University of Michigan, October 20, 2014
- “The Role of Public Health in Newborn Screening” Newborn Screening Panel Symposium Livingston Awards. Ann Arbor, MI, March 31, 2015
- “Genomics Data in the Health and Retirement Study,” National Institute on Aging, Health Retirement Study Data Monitoring Committee Meeting, Washington, DC, July 30-31, 2015

COMMITTEE AND ADMINISTRATIVE SERVICE

University of Michigan

- 1998-2010 Member, Executive Committee for the Interdepartmental Concentration in Public Health Genetics

1998-2010 Member, Executive Committee of the Genomic Sciences Training Grant

1998-2004 Member, Department of Epidemiology Curriculum Committee

1999-2002 Member, Search Committee for four Statistical Genetics Positions, Biostatistics

1999-present Member, Medical Genetics Residency Program, University of Michigan, Medical School

2000-2001 Member, School of Public Health Website Executive Committee

2000-2006 Member, Executive Committee of the Center for Statistical Genetics

2000-2002 Member, Search Committee for Director of the Interdepartmental Concentration in Public Health Genetics

2001 Member, Task Force on Academic Conduct

2001 Member, Search Committee for Social Epidemiology Faculty

2001-present Member, Toxicology Training Grant Program

2001-2004 Member, Cancer Research Committee, University of Michigan Comprehensive Cancer Center

2001-2009 Member, Steering and Planning Committee, Robert Wood Johnson Health and Society Scholars Program

2002-2008 Member, Steering Committee, University of Michigan, CARSS (Center for the Advancement of the Social and Behavioral Sciences)

2002-2004 Member, Search Committee for two Bioinformatics faculty in the Institute of Gerontology

2003 Member, School of Public Health Renovation and Addition Project Design Work Group

2003-2004 Member, Life Sciences, Values and Society Program Advisory Board

2003-2005 Member, Bioinformatics Graduate Affairs Admission Committee

2003-2007 Member, School of Public Health Research Council

2004-2005 Member, School of Public Health, Dean Search Committee

2004-2015 Director, Life Sciences and Society Program

2004-2005 Member, President's Task Force on Ethics in Public Life

- 2004-2008 Member, Department of Epidemiology Admissions Committee
- 2004-2008 Co-Director, Life Sciences and Society Program, University of Michigan
- 2005-2007 Member, Informatics and Information Technology Committee, School of Public Health
- 2005-2006 Member, Search Committee for Health Behavior and Health Education Faculty
- 2006 Member, Small Grant Proposal Review Committee, Center on Social Inequalities, Mind and Body (MICSIMB)
- 2008-2009 Member, Community-Based Public Health Committee
- 2009-present Director, Life Sciences and Society Program, University of Michigan
- 2010-2011 Member, Health Informatics Committee, School of Public Health
- 2011- 2014 Member, Conflict of Interest Policy Group, The University of Michigan
- 2011- 2014 Member, Conflict of Interest Unit Implementation Group, The University of Michigan
- 2015-present Faculty Liason, Faculty Professional Development Program on Inclusive Teaching, The University of Michigan
- 2015-present Member, Innovation Graduate Program Committee, The University of Michigan
- 2015-present Member, Learning Health Systems Steering Committee, The University of Michigan
- 2015-Present Member, Digital Education and Innovation Planning Group
- 2015 - 2018 Member, Henry Russel Award and Henry Russel Lectureship Review Committee, The University of Michigan
- 2016-present Diversity, Equity, and Inclusion Implementation Lead, School of Public Health, University of Michigan
- 2015 Member, Learning Health Systems Steering Committee, University of Michigan

State and National

- 1999 Member, Special Emphasis Panel for NIH Review Branch – NHLBI-Abdominal Aortic Aneurysm Pathogenesis, RFA-HL-99-047
- 1999-present Member, Advisory Board for The Land Institute, Salina, KS

2000-2008 Chair, NHLBI Family Blood Pressure Program, Analysis and Publications Subcommittee

2001 Member, Special Emphasis Panel of NIH Review Branch – NHLBI-SCORs for Ischemic Heart Disease in Blacks

2001 Member, Special Review Committee for NHLBI – Program Project Review

2001 Member, University of Pennsylvania Cancer Research Review Committee

2001-2003 Member, Gene-Environment Interaction Committee, Michigan Department of Community Health, Genetic Disorders Program

2001-2004 Member, Gene-Environment Interaction Working Group, National Center for Environmental Health Center for Disease Control and Prevention, National Childhood Study

2002-2007 Member, Center for Disease Control, Family History Group

2002-2005 Member, Cancer Genetics Network Advisory Committee, State of Michigan, Michigan Cancer Consortium

2002-2006 Grant Reviewer, Framingham DNA Committee, NHLBI

2003 Co-Chair, Primary Care Committee for Cardiovascular Health Task Force, Michigan Department of Community Health

2003 Reviewer for Pilot and Feasibility Project for Diabetes Research and Training Center, Vanderbilt University

2003 Member, Donald W. Reynolds Foundation Cardiovascular Clinical Research Center Peer Review Committee

2003 Member, NHLBI Winter Vascular Grant Review Board

2004-2006 Member, Committee on Genomics and the Public's Health in the 21st Century, Institute of Medicine, National Academy of Sciences

2004-2005 Member, NHLBI Working Group, Future of Genotyping

2004-2007 Member, Committee on Applications of Toxicogenomics Technologies to Predictive Toxicology, National Research Council, National Academy of Sciences

2004 Member, NHLBI Winter Hypertension Program Project Review Board

2005-2006 Member, Committee on Assessing Social, Behavioral, and Genetic Interactions, Institute of Medicine, National Academy of Sciences

2005-2008 Member, NHLBI Resequencing and Genotyping Review Board

2005-2008 Member, NHGRI Multiplex Initiative on Social and Behavioral Research Advisory Board

2005-2006 Grant Reviewer, L'Oreal USA Fellowship Program

2005 Grant Reviewer, NSF International Research Fellowship Program Review Board

2006 Grant Reviewer, Center for Ecogenetics and Environmental Health Pilot Project, University of Washington

2007-2013 Member, Roundtable on Translating Genomic-Based Research for Health, Institute of Medicine, National Academy of Sciences

2007-2008 Member, Institute of Medicine, National Academy of Sciences, Committee to Review the National Childhood Study

2008-2012 Member, Board of Scientific Counselors, Coordinating Center for Health Promotion, Center for Disease Control

2008-2010 Member, Genetic Alliance Board of Directors

2008-2009 Member, Planning Committee for Workshop on Developing Systems of Evidence Generation, Institute of Medicine

2007-2008 Member, Michigan Neonatal BioTrust Community Engagement Committee, Michigan Department of Community Health

2009 Member, NHGRI Special Review Panel on Medical Sequencing

2009 Member, NHLBI Special Review Panel on RC1 Challenge Grants

2009-2010 Editorial Board Member, Genomic Applications in Practice and Prevention Reviews, Centers for Disease Control

2010-2012 Member, Roundtable on Translating Genomic-Based Research for Health, Institute of Medicine

2010-2011 Member, New Opportunities for Advancing Behavioral and Social Research on Aging: Adding Information on Single Nucleotides to the Health and Retirement Study Expert Meeting

2010 Member, Challenges and Opportunities in Using Newborn Screening Samples for Translational Research, Institute of Medicine

- 2011 Member, NHGRI Special Review Panel on Electronic Medical Records and Genomics (eMERGE)
- 2011 Member, Future of Public Health Genomics – Stakeholder Consultation Planning Committee, CDC Office of Public Health Genomics
- 2011 Member, Developing Priorities for Public Health Genomics 2012-2017, CDC Office of Public Health Genomics
- 2012 Member, NIH Special Emphasis Review Panel for Vascular and Hematology IRG
- 2012-2013 Member, Duke Clinical Research Institute Expert Panel for Review of Universal Newborn Screening for Pompe Disease
- 2012-2013 Member, NHLBI, Board of Scientific Counselors Site Review: Framingham Heart Study
- 2012-2013 Member, Oak Ridge Associated Universities, Pennsylvania Department of Health Performance Reviews
- 2012-2013 Member, NIH-NIDA, Cutting Edge Basic Research Awards (CEBRA) Review
- 2013-2015 Member, NIH-NIA National Advisory Council on Aging, Division of Behavioral and Social Research Council
- 2013-present Member, Advisory Committee USC/UCLA Center on Biodemography and Population Health, University of Southern California Andrus Gerontology Center, Los Angeles, California
- 2013-2015 Member, NIH/NIA Behavior and Social Science of Aging Standing Review Committee (NIA-S)
- 2013 Member Advisory Committee, Genetics and Public Policy Center, Johns Hopkins University, Washington, DC
- 2014 Member, Institute of Medicine, Issues in Returning Individual Results from Genome Research Using Population-Based Banked Specimens, with a Focus on the National Health and Nutrition Examination Survey, National Research Council of the National Academies
- 2014 Member, NIH Grant Review panel “Empirical Research on Ethical Issues Related to Central IRBs and Consent for Research using Clinical Records and Data”
- 2014 Member, Institute of Medicine, Interaction of Genetic Techniques and Social-Behavioral Models, Committee on Population and The Committee on Behavioral, Cognitive and Sensory Sciences of the National Research Council

- 2015 Member, NIH National Human Genome Research Institute, eMERGE Special Emphasis Grant Review Panel
- 2015 Grant Reviewer, Pilot Project Review for MiCDA, Michigan Center on The Demography of Aging (MiCDA)
- 2015 Grant Reviewer, Alzheimer's Disease Sequencing Project (ADSP) Replication Phase Analysis Studies (U01), NIH
- 2015 Grant Reviewer, NIH Precision Medicine Coordinating Center Review, NIH

BIBLIOGRAPHY

(Name changed from Reilly to Kardia in 1994)

Peer-Reviewed Publications

1. **Reilly SL**, Kottke BA, Sing CF (1990) The effects of generation and gender on the joint distributions of lipid and apolipoprotein phenotypes in the population at large. *J Clin Epidemiol* 43(9):921-940. PMID:2213081
2. **Reilly SL**, Ferrell RE, Kottke BA, Kamboh MI, Sing CF (1991) The gender-specific apolipoprotein E genotype influence on the distribution of lipids and apolipoproteins in the population of Rochester, MN. I. Pleiotropic effects on means and variances. *Am J Hum Genet* 49(6):1155-1166. PMID:1842218. PMCID: PMC1686446.
3. **Reilly SL**, Ferrell RE, Kottke BA, Sing CF (1992) The gender-specific apolipoprotein E genotype influence on the distribution of plasma lipids and apolipoproteins in the population of Rochester, Minnesota. II. Regression relationships with concomitants. *Am J Hum Genet* 51(6):1311-1324. PMID:1463013. PMCID: PMC1682931
4. Sing CF, Haviland MB, Templeton AR, Zerba KE, **Reilly SL** (1992) Biological complexity and strategies for finding DNA variations responsible for inter-individual variation in risk of a common chronic disease, coronary artery disease. *Ann Med* 24(6):539-547. PMID:1485951.
5. Turner ST, **Reilly SL** (1993) Renal sodium excretion in sons of hypertensive parents. *Hypertension* 22(3):323-330. PMID:8349325
6. Congdon CB, Sing CF, **Reilly SL** (1993) Genetic algorithms for identifying combinations of genes and other risk-factors associated with coronary artery disease. 13th International Joint Conference on Artificial Intelligence: AI and the Genome Workshop, pp 107-117.
7. **Reilly SL**, Sing CF, Savageau MA, Turner ST (1994) Analysis of systems influencing renal hemodynamics and sodium excretion. I. Biochemical Systems Theory. *Integr Physiol Behav Sci* 29(1):55-73. PMID:8018552
8. Sing CF, Zerba KE, **Reilly SL** (1994) Traversing the biological complexity in the hierarchy between genome and CAD endpoints in the population at large. *Clin Genet* 46(1):6-14. PMID:7988080

9. **Reilly SL**, Ferrell RE, Sing CF (1994) The gender-specific apolipoprotein E genotype influence on the distribution of plasma lipids and apolipoproteins in the population of Rochester, MN. III. Correlations and covariances. *Am J Hum Genet* 55(5):1001-1018. PMID:7977338 PMCID: PMC1918313
10. Turner ST, **Reilly SL** (1995) Fallacy of indexing renal and systemic hemodynamic measurements for body surface area. *Am J Physiol Regul Integr Comp Physiol* 268(4 pt 2):978-988. PMID:7733408
11. Sing CF, Haviland MB, **Reilly SL** (1996) Genetic architecture of common multifactorial diseases. In: *Variation in the Human Genome*. Ciba Foundation Symposium No. 197, London: John Wiley & Sons, pp 211-232. PMID:8827376
12. Moore JH, **Reilly SL**, Ferrell RE, Sing CF (1997) The role of the apolipoprotein E polymorphism in the prediction of coronary artery disease age of onset. *Clin Genet* 51(1):22-25. PMID:9084929
13. **Kardia SLR**, Sing CF, Turner ST (1997) The response of renal plasma flow to angiotensin II infusion in a population-based sample and its association with the parental history of essential hypertension. *J Hypertens* 15(5):483-493. PMID:9170000
14. Turner ST, **Kardia SLR** (1997) Relationship between renal plasma flow response to angiotensin II and blood pressure in a population-based sample. *J Hypertens* 15(5):495-502. PMID:9170001
15. Neel JV, Julius S, Weder A, Yamada M, **Kardia SLR**, Haviland MB (1998) Syndrome X: Is it for real? *Genet Epidemiol* 15(1):19-32. PMID:9523208
16. Fornage M, Amos CI, **Kardia S**, Sing CF, Turner ST, Boerwinkle E (1998) Variation in the region of the angiotensin-converting enzyme gene influences interindividual differences in blood pressure levels in young white males. *Circulation* 97(18):1773-1779. PMID:9603530
17. **Kardia SLR**, Haviland MB, Sing CF (1998) Correlates of family history of coronary artery disease in children. *J Clin Epidemiol* 51(6):473-486. PMID:9635996
18. **Kardia SLR**, Haviland MB, Ferrell RE, Sing CF (1999) The relationship between risk factor levels and presence of coronary artery calcification is dependent on *Apolipoprotein E* genotype. *Arterioscler Thromb Vasc Biol* 19(2):427-435. PMID:9974428
19. Stengård JH, **Kardia SL**, Tervahauta M, Ehnholm C, Nissinen A, Sing CF (1999) Utility of the predictors of coronary heart disease mortality in a longitudinal study of elderly Finnish men aged 65 to 84 years is dependent on context defined by *Apo E* genotype and area of residence. *Clin Genet* 56(5):367-377. PMID:10668927
20. Nelson MR, **Kardia SLR**, Ferrell RE, Sing CF (1999) Influence of apolipoprotein E genotype variation on the means, variances, and correlations of plasma lipids and

- apolipoproteins in children. *Ann Hum Genet* 63(4):311-328. PMID:10738543
21. Pomerleau OF, **Kardia SLR** (1999) Introduction to the featured section: Genetic research on smoking. *Health Psychol* 18(1):3-6. PMID:9925039
 22. Bray MS, Krushkal J, Li L, Ferrell R, **Kardia S**, Sing CF, Turner ST, Boerwinkle E (2000) Positional genomic analysis identifies the β_2 -adrenergic receptor gene as a susceptibility locus for human hypertension. *Circulation* 101(25):2877-2882. PMID:10869257
 23. Nelson M, **Kardia SLR**, Sing CF (2000) The combinatorial partitioning method. In: Giancarlo R, Sankoff D (eds): *Combinatorial Pattern Matching, Lecture Notes in Computer Science*. Springer-Verlag Berlin, pp 293-304.
 24. Bray MS, Li L, Turner ST, **Kardia SLR**, Boerwinkle E (2000) Association and linkage analysis of the α -adducin gene and blood pressure. *Am J Hypertens* 13(6 pt 1):699-703. PMID:10912756
 25. Kelada SN, **Kardia SLR**, Walker AH, Wein AJ, Malkowicz SB, Rebbeck TR (2000) The glutathione S-transferase-mu and -theta genotypes in the etiology of prostate cancer: Genotype-environment interactions with smoking. *Cancer Epidemiol Biomarkers Prev* 9(12):1329-1334. PMID:11142418
 26. **Kardia SLR** (2000) Context-dependent genetic effects in hypertension. *Curr Hypertens Rep* 2(1):32-38. PMID:10981124
 27. Nelson MR, **Kardia SLR**, Ferrell RE, Sing CF (2001) A combinatorial partitioning method to identify multi-locus genotypic partitions that predict quantitative trait variation. *Genome Res* 11(3):458-470. PMID:11230170; PMCID: PMC311041
 28. Margulies EH, **Kardia SLR**, Innis JW (2001) Identification and prevention of a GC content bias in SAGE libraries. *Nucl Acid Res* 29(12):e60. PMID:11410683 PMCID: PMC55759
 29. Klos KL, **Kardia SLR**, Ferrell RE, Turner ST, Boerwinkle E, Sing CF (2001) Genome-wide linkage analysis reveals evidence of multiple regions that influence variation in plasma lipid and apolipoprotein levels associated with risk of coronary heart disease. *Arterioscler Thromb Vasc Biol* 21(6):971-978. PMID:11397706
 30. Margulies EH, **Kardia SLR**, Innis JW (2001) A comparative molecular analysis of developing mouse forelimbs and hindlimbs using serial analysis of gene expression (SAGE). *Genome Res* 11(10):1686-1698. PMID:11591645; PMCID: PMC311149
 31. Giordano TJ, Shedden KA, Schwartz DR, Kuick R, Taylor JMG, Lee N, Misek DE, Greenson JK, **Kardia SLR**, Beer DG, Rennert G, Cho KR, Gruber SB, Fearon ER, Hanash S (2001) Organ-specific molecular classification of primary lung, colon, and ovarian adenocarcinomas using gene expression profiles. *Am J Pathol* 159(4):1231-1238. PMID:11583950; PMCID: PMC1850519

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October 23-24, 2005.

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93. Sing CF, Stengård JH, **Kardia SLR**. Dynamical relationships between the genome and exposures to environments as causes of common human diseases. 58th Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA, November 18, 2005.
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