

CURRICULUM VITAE

BIOGRAPHICAL:

Name: Alan Edward Guttmacher

Work Address: (Effective December 1, 2009)
Eunice Kennedy Shriver National Institute of Child Health and Human
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Present Position: (Effective December 1, 2009)
Acting Director
Eunice Kennedy Shriver National Institute of Child Health and Human
Development
National Institutes of Health

EDUCATION:

1967-1972 A.B. cum laude in Social Relations, Harvard University
1975 Pre-medical student, Johns Hopkins University
1975-1976 Pre-medical student, Duke University
1977-1981 M.D., Harvard University

POSTGRADUATE TRAINING:

1981-1982 Physician, Developmental Pediatrics Clinics, Children's Hospital, Boston
1982-1985 Intern and Resident in Pediatrics, Children's Hospital, Boston
1985-1987 Fellow in Medical Genetics, Children's Hospital, Boston and Harvard Medical
School

APPOINTMENTS AND POSITIONS (POST-TRAINING):

1987-1999 Director, Vermont Regional Genetics Center and Pregnancy Risk Information
Service, University of Vermont College of Medicine
1987-1993 Assistant Professor of Pediatrics, University of Vermont College of Medicine

- 1989-1999 Founding Medical Director, Vermont Newborn Screening Program
- 1991 Founding Director, Pediatric Intensive Care Unit, Medical Center Hospital of Vermont
- 1993-1996 Tenured Associate Professor of Pediatrics, University of Vermont College of Medicine
- 1993-1999 Founding Director, Familial Cancer Program, Vermont Cancer Center, University of Vermont College of Medicine
- 1995-1999 Founding Director, Vermont Human Genetics Initiative, University of Vermont College of Medicine
- 1996-1999 Tenured Associate Professor of Pediatrics and Medicine, University of Vermont College of Medicine
- 1999-2002 Senior Clinical Advisor to the Director, National Human Genome Research Institute, National Institutes of Health
- 2002-2008 Director, Office of Policy, Communication, and Education, National Human Genome Research Institute, National Institutes of Health
- 2002-Present Deputy Director, National Human Genome Research Institute, National Institutes of Health
- 2008-2009 Acting Director, National Human Genome Research Institute, National Institutes of Health
- 2009-Present Acting Director, Eunice Kennedy Shriver National Institute of Child Health and Human Development

OTHER POST-BACCALAUREATE EMPLOYMENT:

- 1972 Housepainter, Cambridge, MA
- 1972 County Coordinator, McGovern-Shriver Campaign, LaSalle County, IL
- 1972-1973 Laborer, Dayton Dairy Co., Dayton, IL
- 1973-1975 Middle School Humanities Teacher, Park School, Brooklandville, MD
- 1976-1977 Junior Executive, Blue Hill Memorial Hospital, Island Medical Center, and Four-Town Home Health Agency, Hancock County, ME

LICENSURE:

- 1981-1987 Massachusetts
- 1987-1998 New York
- 1987-Present Vermont

BOARD CERTIFICATION:

- 1987-Present American Board of Medical Genetics, Diplomate and Certification in Clinical Genetics
- 1989-1996 American Board of Pediatrics, Diplomate

HOSPITAL APPOINTMENTS:

- 1986-1987 Senior Associate in Pediatrics, Beth Israel Hospital, Boston, MA
- 1987-1999 Attending in Pediatrics, Medical Center Hospital of Vermont, Burlington, VT
- 1987-1999 Referring Consulting Staff, Champlain Valley Physicians Hospital, Plattsburgh, NY
- 1996-1999 Medical Staff, Rutland Regional Medical Center, Rutland, VT
- 2002-Present Medical Staff, Clinical Center, National Institutes of Health

AWARDS AND HONORS:

- 1978-1981 National Health Service Corps Scholarship, U.S. Public Health Service
- 1985-1986 Farley Fellowship, Children's Hospital, Boston
- 1985-1987 National Research Service Award, U.S. Public Health Service
- 1989 Volunteer of the Year, Vermont Chapter, March of Dimes Birth Defects Foundation
- 1990 Elected to Membership, Alpha Omega Alpha Medical Honorary Society
- 1996 Volunteer of the Year, Hereditary Hemorrhagic Telangiectasia Foundation International
- 1999 Honorable Mention, American Medical Women's Association Gender Equity Award, University of Vermont
- 2000 Joseph E. Cannon Award, New England Public Health Association
- 2000 Commencement Speaker, University of Vermont College of Medicine
- 2000 Presidential Lecturer, The Endocrine Society, Toronto, Canada
- 2000 State of the Art Lecturer, The First World Congress of Pediatric Gastroenterology
- 2000 Presidential Lecturer, Annual Conference, American Dietetic Association
- 2000 Kozinn Lecturer, Maimonides Medical Center
- 2001 Beth Fine Kaplan Memorial Lecture, Department of Obstetrics & Gynecology, Northwestern University Medical School
- 2001 Sommer Lecturer, Oregon Health Sciences University

- 2001 Distinguished Lecturer, Annual Education Awards Ceremony, Baylor College of Medicine
- 2001 Laurell Lecturer, 3rd International Scientific Conference on Alpha 1-Antitrypsin Deficiency
- 2001 Mary E. Switzer Lecturer, The Association of Schools of Allied Health Professions
- 2001 Award of Merit, National Institutes of Health
- 2002 President's Distinguished Lecturer, Society for Gynecologic Investigation
- 2002 Edward Penn Memorial Lecturer, Annual Meeting, Massachusetts Chapter, American Academy of Pediatrics
- 2002 Jerome Cochran Lecturer, Annual Meeting, Medical Association of the State of Alabama
- 2003 Ellwood Lecturer, Annual Conference, Uniform Services Section, American Academy of Pediatrics
- 2003 Presidential Scholar Lecturer, Association for Behavior Analysis
- 2003 Secretary's Award for Distinguished Service, U.S. Department of Health and Human Services
- 2003 Award of Merit, National Institutes of Health
- 2004 Roland B. Scott Lecturer, Annual Meeting, National Sickle Cell Disease Program
- 2004 Elected to Membership, Institute of Medicine
- 2006 Scientific Leadership Award, Hereditary Hemorrhagic Telangiectasia Foundation International
- 2006 Secretary's Award for Distinguished Service, U.S. Department of Health and Human Services
- 2006 Director's Group Award, National Institutes of Health
- 2009 The Surgeon General's Certificate of Appreciation

PROFESSIONAL SOCIETIES:

- 1987-1999 Member, Vermont State and Chittenden County Medical Societies
- 1987-Present Member, American Society of Human Genetics
- 1989-1999; Member, American Public Health Association
- 2007-Present
- 1990-1998; Fellow, American Academy of Pediatrics; Member, Section on Genetics
- 2002-Present
- 1991-1994 Member, International Society for Neonatal Screening

1997-Present Fellow, American College of Medical Genetics

2004-Present Member, Institute of Medicine

INSTITUTIONAL COMMITTEES:

- 1988-1999 Promotion and Tenure Committee - Department of Pediatrics, University of Vermont
- 1989 Subcommittee on Clinical Science Departments, Medical College Institutional Self-Study, University of Vermont College of Medicine
- 1992 Primary Care Initiatives Committee, University of Vermont College of Medicine
- 1993 Committee to Assess Pediatric Care, Medical Center Hospital of Vermont
- 1994-1999 Department of Pediatrics Research Working Group, University of Vermont
- 1995-1997 Primary Care Development Committee, University of Vermont College of Medicine
- 1996-1999 Vermont Cancer Center, University of Vermont College of Medicine
- 1996-1999 General Clinical Research Center Advisory Committee, University of Vermont College of Medicine (Chair, 1998-1999)
- 1998-1999 Curriculum Redesign Committee, University of Vermont College of Medicine
- 1999-2008 Executive Committee, National Human Genome Research Institute
- 1999-2000 National Human Genome Research Institute liaison to Genetics Education Committee, National Cancer Institute
- 1999-2000 National Human Genome Research Institute liaison to Cancer Genetics Network Family History Working Group, National Cancer Institute
- 1999-2000 Blue Ribbon Panel on Genetic Technologies, National Conference of State Legislatures
- 1999-2003 National Human Genome Research Institute liaison, National Coalition for Health Professional Education in Genetics
- 2000-2001 Subcommittee on Insurance Coverage issues, National Conference of State Legislatures
- 2000-2009 National Institutes of Health liaison, Association of Professors of Human and Medical Genetics
- 2000-2002 Rare Disease Working Group, Secretary's Advisory Committee on Genetic Testing
- 2001-2003 Executive Committee, Johns Hopkins University/National Human Genome Research Institute Genetic Counseling Training Program
- 2001-2006 Minority Outreach Team, National Human Genome Research Institute
- 2002-2003 Co-chair, April 2003 Committee, National Human Genome Research Institute

- 2002-2003 Steering Committee, Long-Range Planning Process, National Human Genome Research Institute
- 2002 Advisory Committee, National Human Genome Research Institute/Office of Rare Diseases Information Center
- 2002-2003 Co-chair, Trans-NIH Planning Committee on Genetic, Behavioral, and Social Factors in Health
- 2002-2006 National Human Genome Research Institute liaison, National Institutes of Health Prevention Research Coordinating Committee
- 2002-2005 Diabetes Mellitus Interagency Coordinating Committee, National Institutes of Health
- 2002-2009 National Human Genome Research Institute liaison, National Children's Study, National Institutes of Health
- 2002 Behavioral/Social Science Search Committee, National Human Genome Research Institute
- 2002-2009 National Human Genome Research Institute liaison, Trans-NIH Rare Diseases Working Group
- 2002 Scientific Director Search Committee, National Human Genome Research Institute
- 2002-2003 National Human Genome Research Institute liaison, Committee on Genetics National Human Research Protections Advisory Committee
- 2003-2008 Co-chair, Trans-NIH Sickle Cell Disease Research Working Group
- 2003-2009 National Human Genome Research Institute liaison, NIH Obesity Research Task Force
- 2003-2006 Alternate, Public Health Service Technology Transfer Board
- 2004-2005 National Human Genome Research Institute liaison, Digestive Diseases Interagency Coordinating Committee Liver Disease subcommittee
- 2004 Member, Qualifications Review Board, National Science Advisory Board for Biosecurity Executive Director search
- 2004-2005 National Human Genome Research Institute representative, Public Trust Liaison Group
- 2004-2007 Trans-NIH Sarcoidosis Working Group
- 2004-2005 AIDS Coordinator, National Human Genome Research Institute
- 2006-2009 Medical Director and Member of Executive Committee, Johns Hopkins University/National Human Genome Research Institute Genetic Counseling Training Program
- 2006 Chair, Organizing Committee, "Hereditary Hemorrhagic Telangiectasia: Vascular Biology and Pathophysiology" meeting

- 2007 Chair, Organizing Committee, First International Chordoma Research Workshop
- 2007 Chair, Organizing Committee, Physician Assistants and Genomics Meeting
- 2007-Present Co-Chair, NIH Advisory Committee on Ethics Regulation Implementation
- 2007-2008 Chair, Search Committee, Deputy Director, Clinical and Translational Research, National Center for Research Resources, NIH
- 2008-2009 Member, Office of Portfolio Analysis and Strategic Initiatives Working Group
- 2008-2009 Co-Chair, NIH Genome Wide Association Studies Senior Oversight Committee
- 2008-2009 Co-Chair, Genotype-Tissue Expression Initiative Implementation Group, NIH Roadmap for Medical Research
- 2008-2009 NIH representative, Secretary's Advisory Committee on Genetics, Health, and Society (SACGHS)
- 2009 Member, NIH Ad Hoc Challenge Grant Applications Committee
- 2009 Co-Chair, American Recovery and Reinvestment Act Sequencing Coordinating Committee
- 2009 Member, NIH Associate Director for Legislative and Policy Analysis Search Committee
- 2009-Present Member, NIH Bioethics Task Force

JOURNAL DUTIES:

Co-editor: Series on Genomic Medicine in *The New England Journal of Medicine*, 2002-2003

Series on Genomics in Medicine in *The New England Journal of Medicine*, 2010-2011

Ad Hoc Reviewer: *Pediatrics*, *The New England Journal of Medicine*, *Journal of Hepatology*, *Digestive Diseases*, *Thrombosis and Haemostasis*, *American Journal of Medical Genetics*, *Human Genetics*, *Nature*, *JAMA*

OTHER PROFESSIONAL ACTIVITIES:

- 1987-1995 Vermont Chapter, March of Dimes Birth Defects Foundation: Executive Committee (1987-1991); Health Professionals Advisory Committee (1987-1995; Chair, 1987-1989)
- 1987-1999 Advisory Committee on Newborn Screening, Vermont Department of Health
- 1987-1998 New England Regional Genetics Group: Steering Committee (1987-1989); Prevalence Committee (1987-1998); Grant Review Committee (1987-1989)
- 1988-1999 Planned Parenthood of Northern New England - Board of Directors (1988-1995); Vice-President (1990-1992); President (1992-1994); Medical Practices Committee

- (1990-1995); Executive Director Search Committee (1995); Honorary Member, Board of Directors (1997-1999)
- 1989-1991 Vermont Department of Health, Committee on Substance Abuse in Pregnancy
- 1990-1993 Pediatrician, Vermont Special Olympics
- 1990-1999 Advisory Board, Beyond Affliction (Documentary radio and film project)
- 1990-1991 Advisor, Chittenden County Kid's First
- 1992-1999 Board of Directors, the Alan Guttmacher Institute, New York, NY; First Vice Chair (1995-1998); Chair (1998-1999)
- 1992-1999 Advisory Board, Hood Center for Caregiving Families
- 1993-Present Scientific and Medical Advisory Board, Hereditary Hemorrhagic Telangiectasia Foundation International, Inc.
- 1995-1999 Board of Directors, Planned Parenthood Federation of America, New York, NY
- 1998-2001 Blue Ribbon Panel on Genetic Technologies and Subcommittee on Insurance, National Conference of State Legislatures
- 1999-2004 Acting coordinator, Genetics Resources on the Web (GROW)
- 1999 Interim Acting Executive Director, National Coalition for Health Professional Education in Genetics
- 1999-2004 National Human Genome Research Institute liaison to Federal Interagency Genetics Working Group
- 1999-2005 National Human Genome Research Institute liaison to Public Health Genetics Committee, American College of Medical Genetics
- 2000 National Human Genome Research Institute liaison to Long Range Planning Process, American College of Medical Genetics
- 2000-2001 Organizing Committee, Harvard Conference on Educating Medical Students about Genetics
- 2000-2002 Rare Disease Working Group, Secretary's Advisory Committee on Genetic Testing, U.S. Department of Health and Human services
- 2001-2003 National Human Genome Research Institute liaison to Annual Clinical Focus project, American Academy of Family Physicians
- 2001 Research Planning and Evaluation Committee, American Heart Association
- 2001-2006 National Human Genome Research Institute liaison to Bureau of Health Professions, Health Resources Services Administration
- 2001-2005 National Human Genome Research Institute liaison to Medical Operations Branch, National Aeronautics and Space Administration
- 2001-2002 Institute of Medicine Committee on Educating Public Health Professionals for the

21st Century

- 2001 External curriculum review of the Summer Genetics Institute, National Institute of Nursing Research
- 2001-2005 Pharmacogenetics Research Network Human Subjects Committee
- 2002 Panel on Genetics Education, Association of American Medical Colleges
- 2002 GENE Advisory Committee, March of Dimes
- 2002 Steering Committee, Workshop on application of information technology to the transformation of clinical research and health care in the 21st century, Association of American Medical Colleges
- 2004-2008 Member (Chair, 2004-2006), Research Grants Committee, HHT Foundation, International
- 2004-2008 Chair, U.S. Surgeon General's Family History Initiative Working Group
- 2005 Member, Conference Planning Committee, National Academies/Keck Futures Initiative meeting on "The Genomics Revolution: Implications for Science and Health"
- 2005-2008 Member, Advisory Board, Intermountain Health Care Clinical Genetics Institute
- 2005 Member, Task Force on Genetics Screening, the American College of Obstetricians and Gynecologists
- 2005-2008 Member, Awards Committee, Outstanding Medical Geneticist, Harvard Medical School-Partners HealthCare Center for Genetics and Genomics
- 2006 Member, Organizing Committee, Cold Spring Harbor Laboratory - Sanger Centre Pharmacogenomics Meeting
- 2006-2008 Member, Project Oversight Committee,
 Advisory Panel on New Science and Technology, United States Pharmacopeia
- 2006-2008 Member, American Health Information Community Personalized Health Care Workgroup; Co-Chair, Family History Subgroup
- 2007-2008 Member, Institute of Medicine Roundtable on Translating Genomic Based Research for Health
- 2007 Member, External Peer Review Panel, National Office of Public Health Genomics, Centers for Disease Control and Prevention
- 2008-2009 Member, Genomic Medicine Program Advisory Committee, U.S. Department of Veterans Affairs
- 2009 Executive Committee, International Cancer Genome Consortium

2009-Present NIH representative, Interagency Coordinating Committee (IACC) for Autism

OTHER INVITED NATIONAL/INTERNATIONAL PARTICIPATION (Partial Listing):

- 1991 Faculty member - Massachusetts General Hospital Teratology Review Course, Boston, MA
- 1991 Member - International Organizing Committee, Beijing International Conference on Neonatology, Beijing, China
- 1992 Discussant - Annual Conference, HHT Foundation International, Columbus, OH
- 1992 Moderator - Session on Clinical Genetics, Annual Meeting, American Society of Human Genetics, San Francisco, CA
- 1993 Presenter - Annual Conference, HHT Foundation International, San Francisco, CA
- 1993 Witness - United States Senate Committee on Labor and Human Resources, Hearing on Health Care Reform, Brattleboro, VT
- 1994 Presenter - Annual Conference, HHT Foundation International, Boston, MA
- 1995 Moderator - Annual Conference, HHT Foundation International, Chicago, IL
- 1995 Presenter - Primary Care Review Program, Temple University School of Medicine, Lancaster, PA
- 1996 Presenter/Panelist - Primary Care Provider Genetics Education Workshop, Council of Regional Genetics Networks/Maternal and Child Health Bureau/Health Resources and Services Administration, Bethesda, MD
- 1996 Member, Organizing Committee and Session Chair - Rendu Centenary Meeting, Edinburgh, Scotland
- 1996 Moderator and Presenter - Annual Conference, HHT Foundation International, Salt Lake City, UT
- 1996 Lecturer - Annual Gorlin Dysmorphology Conference, Minneapolis, MN
- 1997 Presenter - Workshop on Medical Genetics Education in Primary Care Resident Training, Bureau of Health Professions/Maternal and Child Health Bureau, Bethesda, MD
- 1997 Participant - Conference on Provision of Genetics Services, Josiah Macy, Jr. Foundation, Williamsburg, VA
- 1997 Member of Organizing Committee, Session Chair and Presenter - Workshop on Hereditary Hemorrhagic Telangiectasia: A Disorder of the Vasculature, National Heart, Lung and Blood Institute, Bethesda, MD
- 1997 Moderator and Presenter - Annual Conference, HHT Foundation International, Atlanta, GA
- 1997 Member of Organizing Committee, Session Chair, and Presenter - Hereditary Hemorrhagic Telangiectasia Scientific Conference, Curacao, Netherland Antilles

- 1997-8 Member, Organizing Committee - Conference on Education of Health Care Professionals in Genetics, Josiah Macy, Jr. Foundation
- 1998 Interviewee - Beyond Affliction (radio documentary), National Public Radio
- 1998 Interviewee - Talk of the Nation, National Public Radio
- 1998 Lecturer - Association of Reproductive Health Professionals, St. Louis, MO
- 1999 Lecturer - Society for General Internal Medicine Course on Genetics, San Francisco, CA
- 1999 Featured Speaker – Medical Technology & Quality Health Care: A 21st Century Perspective, National Committee for Quality Health Care, Chicago, IL
- 1999 Keynote Speaker - Human Genome Education Model Project II, Arlington, VA
- 1999 Keynote Speaker - Georgia Public Health Association Annual Meeting, Savannah, GA
- 1999 Featured Speaker - National Association of Biology Teachers, Ft. Worth, TX
- 1999 Panelist - Alliance of Genetic Support Groups Annual Meeting, Arlington, VA
- 1999 Speaker - National Health Council Strategic Planning Session, Washington, DC
- 1999 Keynote Speaker - Conference for State Legislators sponsored by Maternal and Child Health Bureau, Lake Buena Vista, FL
- 2000 Keynote Speaker – Conference of Planned Parenthood Federation of America, Marco Island, FL
- 2000 Lecturer, Conference of the Queen’s Medical Center, Honolulu, HI
- 2000 Keynote Speaker, College of American Pathologists Leadership and Government Affairs Conference, Washington, DC
- 2000 Keynote Speaker, Washington Psychiatric Society, Washington, DC
- 2000 Keynote Speaker, Spring Meeting, Association of American Medical College’s Council of Academic Societies, Savannah, GA
- 2000 Speaker, Annual Meeting, American College of Physicians – American Society of Internal Medicine, Philadelphia, PA
- 2000 Keynote Speaker, Board of Regents/Board of Governors, American College of Physicians – American Society of Internal Medicine, Philadelphia, PA
- 2000 Speaker, Association of Professors of Human and Medical Genetics, Annual Workshop, Clearwater, FL
- 2000 Keynote Speaker, the Healthcare Assembly, Boston, MA
- 2000 Keynote Speaker, Annual Meeting, American Association of Clinical Endocrinologists, Atlanta, GA
- 2000 Speaker, Association for Clinical Pastoral Education, Annual Meeting, Bethesda, MD
- 2000 Keynote Speaker, New England Public Health Association Annual Educational Conference

- and Meeting, Durham, NH
- 2000 Keynote Speaker - Conference for State Executive Department leaders sponsored by Maternal and Child Health Bureau, Rensselaerville, NY
- 2000 Speaker, Annual Meeting, Association of Medical School Psychologists, Washington, DC
- 2000 Speaker, Genetic Competencies in Public Health Meeting, Centers for Disease Control and Prevention, Atlanta, GA
- 2000 Speaker, Federation of State Medical Boards, Arlington, VA
- 2000 Plenary Speaker, Annual Meeting, MedChi, the Maryland State Medical Society, Ocean City, MD
- 2000 Keynote Speaker, Genetics and the Law Conference Sponsored by the Einstein Institute for Science, Health and the Courts and the National Institute of Environmental Health Sciences, Chapel Hill, NC
- 2000 Speaker, West Virginia Hospital Association Annual Meeting, White Sulphur Springs, WV
- 2000 Moderator, Speaker, Sessions of the Annual Meeting of the American Society of Human Genetics, Philadelphia, PA
- 2000 Grand Rounds Speaker, Department of Family Medicine, Jefferson Medical College, Philadelphia, PA
- 2000 Speaker, American Academy of Insurance Medicine, Annual Scientific Conference, Indianapolis, IN
- 2000 Speaker, Conference on “American Healthcare: Current Challenges and Drivers of Change, Harvard School of Public Health,” Boston, MA
- 2000 Speaker, American Public Health Association, Boston, MA
- 2000 Speaker, Conference of the Pharmaceutical Education & Research Institute, Inc., Arlington, VA
- 2000 Speaker, Army and Navy Chapters of the American College of Physicians, Reston, VA
- 2000 Keynote Speaker, Annual Meeting, American College of Clinical Pharmacy, Los Angeles, CA
- 2000 Keynote Speaker, Annual Meeting, American Society of Health-system Pharmacists, Las Vegas, NV
- 2001 Speaker, John F. Kennedy School of Government/Commonwealth Fund Bipartisan Congressional Health Policy Conference, Aventura, FL
- 2001 Participant, Human Genome Epidemiology Workshop, Atlanta, GA
- 2001 Speaker/Participant, Banbury Center Conference on “Integrating Genomics Technologies in Healthcare: Practice and Policy Challenges,” Cold Spring Harbor Laboratory, NY
- 2001 Speaker, Annual Meeting, American Clinical Laboratory Association, Washington, DC

- 2001 Plenary Speaker, the National Leadership Conference, American Medical Association, Washington, DC
- 2001 Keynote Speaker, Graduation Ceremony for Program in Genetic Counseling, Northwestern University Medical School, Chicago, IL
- 2001 Speaker, Meeting of Board of Directors, American Academy of Family Physicians, Washington, DC
- 2001 Plenary Speaker, Medical Research Summit, Health Care Compliance Association, Washington, DC
- 2001 Speaker, National Conference, Association of Health Care Journalists, Atlanta, GA
- 2001 Plenary Speaker, Annual Meeting, Association of Maternal and Child Health Programs, Washington, DC
- 2001 Speaker, American College of Osteopathic Family Physicians, Philadelphia, PA
- 2001 Keynote Speaker, Vermont Emergency Medical Services Annual Conference, Burlington, VT
- 2001 Speaker, Strategic Planning and Policy Committee, American Hospital Association, Chicago, IL
- 2001 Plenary Speaker, American Gastroenterological Association, Atlanta, GA
- 2001 Keynote Speaker, American Industrial Hygiene Conference and Exposition, New Orleans, LA
- 2001 Panel Moderator, The People's Genome Celebration, The Genetic Alliance, Washington, DC
- 2001 Grand Rounds Speaker, the Children's Hospital, Boston, MA
- 2001 Plenary Speaker, American Association of Medical Society Executives, Washington DC
- 2001 Plenary Speaker, Association of State and Territorial Health Officials Senior Deputies, Wilmington, DE
- 2001 Keynote Speaker, Dorsey Hughes Symposium, Beaver Creek, CO
- 2001 Speaker, HHT Foundation, International Annual Conference, Anaheim, CA
- 2001 Grand Rounds Speaker, Department of Pediatrics, Uniformed Services University of the Health Sciences, Bethesda, MD
- 2001 Speaker, the Ontario Provincial Advisory Committee on New Predictive Genetic Technologies, Toronto, Canada
- 2001 Plenary Speaker, Annual Meeting, Institute of Home Office Underwriters, Los Angeles, CA
- 2001 Plenary Speaker, Annual Conference, American Association of University Affiliated Programs, Bethesda, MD
- 2001 Keynote Speaker, Twentieth Annual Health Executive Forum, Scottsdale, AZ

- 2001 Plenary Speaker, National Institutes of Health Public Forum, the East-West Center, University of Hawaii, Honolulu, HI
- 2001 Grand Rounds, The Queen's Medical Center, Honolulu, HI
- 2001 Keynote Speaker, Human Genome Conference, Prince George's Community College, Largo, MD
- 2001 Keynote Speaker, Leadership Meeting, American Association on Mental Retardation, Washington, DC
- 2001 Plenary Speaker, Annual Meeting, Federation of Behavioral, Psychological, and Cognitive Sciences, Washington, DC
- 2001 Plenary Speaker, Project on "Judaism and Genetics," American Association for the Advancement of Sciences, Washington, DC
- 2001 Speaker, Second Tuesday Breakfast Club, Washington, DC
- 2002 Plenary Speaker, 2002 National Health Policy Conference: Shared Power, Shared Responsibility, co-sponsored by *Health Affairs* and the Academy for Health Services Research and Health Policy, Washington, DC
- 2002 Speaker, Annual Meeting, American Academy of Sciences, Boston, MA
- 2002 Keynote Speaker, Annual Meeting, California Academy of Family Physicians, San Francisco, CA
- 2002 Plenary Speaker, Medical Research Summit, Health Care Compliance Association, Washington, DC
- 2002 Keynote Speaker, Opening of the Helen F. Graham Cancer Center, Wilmington, DE
- 2002 Keynote Speaker, Annual Conference, National Association of Perinatal Social Workers, Stowe, VT
- 2002 Keynote Speaker, Annual Meeting, Association of State and Territorial Nursing Directors, Charleston, SC
- 2002 Speaker, School of Public Health and Community Medicine, University of Washington, Seattle, WA
- 2002 Keynote Speaker, Emerging Technologies & Healthcare Innovations Congress, Washington, DC
- 2002 Keynote Speaker, Meharry Medical College, Faculty Development Retreat, Nashville, TN
- 2002 Keynote Speaker, American Association of Health Plans Medical Management Forum, Chicago, IL
- 2002 Keynote Speaker, Annual Conference, National Organization for Rare Disorders, Arlington, VA
- 2002 Keynote Speaker, Annual International Conference, International Society of Nurses in Genetics, Baltimore, MD

- 2002 Keynote Speaker, Annual Meeting, Medical Decision Making Society, Baltimore, MD
- 2003 Speaker, Congressional Foresight Seminar, Washington DC
- 2003 Keynote Speaker, Annual Conference in Science & Engineering, The Graduate Center of the City University of New York, New York, NY
- 2003 Keynote Speaker, the Clinical Application of Genomics Workshop, Medical College of Wisconsin, Milwaukee, WI
- 2003 Keynote Speaker, Conference on Genetics, Disability and Deafness, Gallaudet University, Washington, DC
- 2003 Plenary Speaker, Oncology Nursing Society, Annual Meeting, Denver, CO
- 2003 Plenary Lecturer, American Association of Physician Assistants, New Orleans, LA
- 2003 Plenary Speaker, American College of Osteopathic Medicine, Bethesda, MD
- 2003 Plenary Speaker, Conference on Teaching the Genetics of Complex Diseases in Clinical Clerkships, Harvard Medical School, Boston, MA
- 2003 Plenary Speaker, 4th World Congress on Pediatric Intensive Care, Boston, MA
- 2003 Grand Rounds Speaker, University of Mississippi Medical Center
- 2003 Plenary Speaker, Symposium on the Functional Genomics of Critical Illness and Injury, Bethesda, MD
- 2003 Plenary Speaker, Hot Topics in Neonatology, Washington, DC
- 2004 Session Chair, Organization for Economic Cooperation and Development Workshop on Human Genetic Research Databases: Issues of Privacy and Security, Tokyo, Japan
- 2004 Speaker, American Society for Experimental NeuroTherapeutics, Bethesda, MD
- 2004 Plenary Speaker, Council of Deans, American Association of Medical Colleges, Key Biscayne, FL
- 2004 Plenary Speaker, Annual National Birth Defects Prevention Conference, National Center on Birth Defects and Developmental Disabilities, Washington, DC
- 2004 Keynote Speaker, National Accrediting Agency for Clinical Laboratory Sciences, Chicago, IL
- 2004 Keynote Speaker, Molecular Aspects of Infection and Inflammation – Common Pathways, Rare Pediatric Diseases Conference, Bethesda, MD
- 2004 Speaker, Secretary's Advisory Committee on Genetics, Health, and Society, Bethesda, MD
- 2004 Plenary Speaker, Presidential Session, Annual Conference, American Public Health Association, Washington, DC
- 2005 Keynote Speaker, Annual Meeting, National Coalition for Health Professional Education in Genetics, Bethesda, MD
- 2005 Speaker, World Healthcare Summit, Washington, DC

- 2005 Speaker, Annual Meeting, Academy of Orthopaedic Surgeons, Washington, DC
- 2005 Keynote Speaker, CDC Senior Leadership Symposium, Atlanta, GA
- 2005 Grand Rounds Speaker, Academic Hospital Maastricht, Maastricht, the Netherlands
- 2005 Speaker, National Heart, Lung, and Blood Institute conference: “The Next Step: Population Studies in the ‘-Omic’ Age,” Bethesda, MD
- 2005 Speaker, Annual Conference, National Council of La Raza, Philadelphia, PA
- 2005 Keynote Speaker, Annual Institute and Conference, National Black Nurses Association, Chicago, IL
- 2005 Keynote Speaker, Annual Conference, the Genetic Alliance, Bethesda, MD
- 2005 Speaker, Congressional Briefing, Society for Women’s Health Research, Washington, DC
- 2005 Keynote Speaker, “Global Health: A Bridge to the Future Conference,” sponsored by Boston University and RAND, Boston, MA
- 2006 Panelist, Annual Meeting, American Clinical Laboratory Association, Washington, DC
- 2006 Speaker, Grand Rounds, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD
- 2006 Panelist, “Genes in the Workplace: The Right Fit?” Conference, Washington, DC
- 2006 Keynote Speaker, March of Dimes Salk Symposium, San Diego, CA
- 2006 Keynote Speaker, 2006 Health Care Industry Study, Ft. McNair, Washington, DC
- 2006 Keynote Speaker, First Annual Research Retreat, University of Alabama-Birmingham Department of Genetics, Birmingham, AL
- 2006 Keynote Speaker, 2006 National Judges’ Science School, Chicago, IL
- 2006 Keynote Speaker, International Society of Nurses in Genetics Annual Conference, New Orleans, LA
- 2006 Grand Rounds Speaker, Department of Pediatrics, Children’s Hospital at Montefiore, New York, NY
- 2006 Speaker, Sarah Lawrence College, New York, NY
- 2007 Speaker, the Glenn M. Weaver Institute of Law and Psychiatry, University of Cincinnati College of Law, Cincinnati, OH
- 2007 Speaker, Massachusetts Medical Society Annual Education Program, Boston, MA
- 2007 Speaker, Healthcare Executives Leadership Network, Chicago, IL
- 2007 Speaker, National Heart, Lung, and Blood Institute Comprehensive Sickle Cell Centers Steering Committee Meeting, Washington, DC
- 2007 Speaker, National Commission on Certification of Physician Assistants, Board Meeting, Raleigh, NC

- 2008 Keynote Speaker, American Association for Intellectual and Developmental Disabilities Annual Meeting, Washington, DC
- 2008 Keynote Speaker, Population-Based Carrier Screening for Single Gene Disorders: Lessons Learned and New Opportunities, Bethesda, MD
- 2008 Keynote Speaker, 4th International Conference on Rare Diseases and Orphan Drugs, Washington DC
- 2008 Keynote Speaker, 14th HHT Foundation International Patient and Family Conference, Chicago IL
- 2008 Speaker, Board of Regents, National Library of Medicine, Bethesda, MD
- 2008 Speaker, Advisory Panel on Research, Association of American Medical Colleges, Washington, DC
- 2008 Keynote Speaker, American Health Information Management Association Annual Meeting, Seattle, WA
- 2008 Keynote Speaker, ASTAR National Judges' Science School, Bethesda, MD
- 2008 Speaker, NIH Director's Council of Public Representatives, Bethesda, MD
- 2008 Keynote Speaker, First Annual Symposium, University of Pennsylvania Center for Integration of Genetic and Healthcare Technologies, Philadelphia, PA
- 2008 Speaker, Annual Conference, American Society of Human Genetics, Philadelphia, PA
- 2008 Speaker, Department of Health and Human Services Healthcare Innovation Conference, San Francisco, CA
- 2008 Speaker, Department of Health and Human Services Healthcare Innovation Conference, Minneapolis, MN
- 2008 Speaker, Department of Health and Human Services Healthcare Innovation Conference, Boston, MA
- 2009 Speaker, Health Policy Lecture Series, Penn State College of Medicine, Hershey, PA
- 2009 Speaker, "The Promises and Pitfalls of Pharmacogenetics in Psychiatry" Symposium, Johns Hopkins University, Baltimore, MD
- 2009 Keynote Speaker, Scientific Symposium at the Dedication of Sanford Children's Hospital, Sioux Falls, SD
- 2009 Keynote Speaker, Plenary Session, Public Policy Council of the Society for Pediatric Research, American Pediatric Society, and Association of Medical School Pediatric Chairs, Baltimore, MD
- 2009 Keynote Speaker, American Clinical Laboratory Association Annual Meeting, Washington, DC
- 2009 Speaker, Vermont Summer Pediatric Seminar, Manchester, VT
- 2009 Speaker, Direct-To-Consumer Genetic Testing: A Cross-Academies Workshop, National

- Academy of Sciences, Washington, DC
- 2009 Keynote Speaker, Annual Meeting, National Coalition for Health Professional Education in Genetics, Bethesda, MD
- 2009 Speaker, National Summit on Personalized Health Care, Deer Valley, UT
- 2009 Discussant, Session on Frontiers in Cancer Genetic Testing: Addressing the Needs of Children, Adolescents, and Young Adults, American Society of Human Genetics, Honolulu, HI
- 2009 Speaker, Presidential Symposium, American Society of Human Genetics, Honolulu, HI
- 2009 Keynote Speaker, Annual Meeting, American College of Allergy, Asthma & Immunology, Miami, FL
- 2009 Speaker, Massachusetts General Hospital Breast Cancer Conference
- 2010 (Scheduled) Keynote Speaker, Annual Meeting of the American Pharmacists Association, Washington DC
- 2010 (Scheduled) Visiting Professor, Department of Pediatrics and Lecturer, Department of Human Genetics, University of Michigan, Ann Arbor, MI

OTHER PRESENTATIONS:

- 1987-Present Over 500 other presentations on topics in pediatrics, genetics, and genomics and over a hundred media interviews regarding genetics, genomics, personalized medicine, etc.

GRANTS AND CONTRACTS:

- 1985-1987 National Research Service Award, Department of Health and Human Services, \$51,000 (Trainee)
- 1987-1999 Annual Grants/Contracts for Genetics Services, from the Department of Health, State of Vermont, totaling approximately \$1,390,000 (PI)
- 1987-1990 Grants to the Pregnancy Risk Information Service from the Vermont Chapter of the March of Dimes Birth Defects Foundation totaling approximately \$7,500 (PI)
- 1987-1989 Family Health Evaluation Project, New England Regional Genetics Group, \$36,325 (Co-PI)
- 1989-1999 Annual Contracts for Newborn Screening Services, from the Department of Health, State of Vermont, totaling approximately \$550,000 (PI)
- 1992-1999 Annual subcontracts for Genetics Services from the Department of Health, State of New York, totaling approximately \$216,000 (PI)
- 1992 Linkage studies in Hereditary Hemorrhagic Telangiectasia, National Institutes of

- Health - (Consultant)
- 1995-1996 “Familial Cancer Program,” Lake Champlain Cancer Research Organization, \$250,000 (Co-PI)
- 1995-1997 The Vermont Human Genetics Initiative, Dean’s office and multiple departments, University of Vermont College of Medicine - \$264,000 (PI)
- 1997 Vermont Pregnancy Risk Information Service Newsletter, Vermont and Northeastern New York Chapters, March of Dimes Birth Defects Foundation (Co-PI) \$6,000
- 1996-1999 The Genetics of Hereditary Hemorrhagic Telangiectasia, National Institutes of Health - (Consultant)
- 1998-1999 The Community Genetics and Ethics Project, National Institutes of Health (1 R25 HG01680-01) - \$579,245 (PI)

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