

CURRICULUM VITAE

Eric Douglas Green

DATE: April 15, 2017

DATE OF BIRTH: December 10, 1959

PLACE OF BIRTH: St. Louis, Missouri (U.S.A.)

CITIZENSHIP: U.S.A.

PERSONAL INFORMATION: Married 7/14/84 to Gabriela Adelt Green, M.D. (born 10/21/61)
Two Children: Joshua David Green (born 3/12/96) and
Abigail Mae Green (born 10/25/99)

PRESENT POSITION: Director
National Human Genome Research Institute
National Institutes of Health
U.S. Department of Health and Human Services

CONTACT INFORMATION: National Human Genome Research Institute
National Institutes of Health
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Web Site: genome.gov/Director

EDUCATION:

1981 B.S., University of Wisconsin (Madison), Bacteriology

1987 M.D., Ph.D., Washington University, St. Louis, Missouri

Ph.D. Advisors: Dr. Jacques Baenziger and Dr. Irving Boime
Topic: "Structure and Biosynthesis of Asn-Linked Oligosaccharides
on Pituitary Glycoprotein Hormones"

POST-GRADUATE TRAINING:

- 1987-1992 Resident in Laboratory Medicine
 Departments of Pathology and Internal Medicine
 Washington University School of Medicine
- 1990-1992 Chief Resident in Laboratory Medicine
 Departments of Pathology and Internal Medicine
 Washington University School of Medicine
- 1988-1992 Postdoctoral Research Fellow
 Laboratory of Dr. Maynard Olson
 Department of Genetics
 Washington University School of Medicine

MEDICAL LICENSURE:

- National Boards (Parts I, II, and III)
Permanent Missouri Medical License (MD 100218)

APPOINTMENTS:

- 1992-1994 Assistant Professor, Departments of Pathology, Genetics, and Internal Medicine
 Washington University School of Medicine
- 1992-1994 Associate Director, Laboratory Medicine Residency Training Program
 Washington University School of Medicine
- 1992-1994 Associate Director, DNA Diagnostic Laboratory
 Washington University School of Medicine
- 1994-2010 Head, Physical Mapping Section
 National Human Genome Research Institute
 National Institutes of Health
- 1994-1999 Adjunct Instructor, Department of Genetics
 Washington University School of Medicine
- 1995-1997 Director, DNA Sequencing Core
 National Human Genome Research Institute
 National Institutes of Health
- 1996-2010 Tenured Senior Investigator, National Institutes of Health
- 1996-2009 Chief, Genome Technology Branch
 National Human Genome Research Institute
 National Institutes of Health
- 1997-2009 Director, NIH Intramural Sequencing Center (NISC)
 National Human Genome Research Institute
 National Institutes of Health
- 2002-2009 Scientific Director
 National Human Genome Research Institute
 National Institutes of Health

- 2009-2010 Acting Scientific Director
National Human Genome Research Institute
National Institutes of Health
- 2013-2014 Acting Associate Director for Data Science
National Institutes of Health
- 2009-present Director
National Human Genome Research Institute
National Institutes of Health

EDITORIAL POSITIONS:

- 1991-1993 Associate Editor, *PCR Methods & Applications*
Cold Spring Harbor Laboratory Press
- 1993-1995 Editor, *PCR Methods & Applications*
Cold Spring Harbor Laboratory Press
- 1991-present Ad Hoc Reviewer for *Nature*, *Science*, *Proceedings of the National Academy of Sciences*, *Nature Genetics*, *Nature Review Genetics*, *Human Molecular Genetics*, *Nucleic Acid Research*, *Genomics*, *Human Genetics*, *American Journal of Human Genetics*, *PLoS Genetics*, and *PLoS Biology*
- 1994-2003 Board of Editors, *Clinical Chemistry*
American Association for Clinical Chemistry
- 1994-1998 Series Editor, *Genome Analysis: A Laboratory Manual*
Cold Spring Harbor Laboratory Press
- Green ED**, Birren B, Klapholz S, Myers RM, and Hieter P, Series Editors
- Volume 1: Analyzing DNA* (1997)
Birren B, **Green ED**, Klapholz S, Myers RM, and Roskams J, Volume Editors
- Volume 2: Detecting Genes* (1998)
Birren B, **Green ED**, Klapholz S, Myers RM, and Roskams J, Volume Editors
- Volume 3: Cloning Systems* (1998)
Birren B, **Green ED**, Klapholz S, Myers RM, Riethman H, and Roskams J, Volume Editors
- Volume 4: Mapping Genomes* (1998)
Birren B, **Green ED**, Hieter P, Klapholz S, Myers RM, Riethman H, and Roskams J, Volume Editors
- 1995-present Editor, *Genome Research*
Cold Spring Harbor Laboratory Press
- 2001-present Section Head (Genomics), Faculty of 1000
- 2002-2010 Editorial Board, *Mammalian Genome*, Springer-Verlag Press

2004-present Co-Editor, *Annual Reviews of Genomics and Human Genetics*

TEACHING EXPERIENCE:

1980-1981 Teaching Assistant, University of Wisconsin (Madison), Bacteriology
 1983 Teaching Assistant, Washington University, Cell Biology
 1991-1994 Course Organizer/Instructor, Cold Spring Harbor Laboratory Course:
 “Analysis and Genetic Manipulation of Yeast Artificial Chromosomes”
 1996-2009 Preceptor, Predoctoral Training Program in Human Genetics
 Johns Hopkins University School of Medicine
 1996-present Co-Organizer (1996-2014) and Lecturer, “Current Topics in Genome Analysis”
 Lecture Series, National Institutes of Health

OTHER PROFESSIONAL EXPERIENCE:

1992-1993 Member, Graduate School Admissions Committee
 Division of Biology and Biomedical Sciences
 Washington University
 1992-2004 Ad Hoc Grant Reviewer, National Human Genome Research Institute
 National Institutes of Health
 1992-1994 Investigator, Center for Genetics in Medicine
 Washington University Human Genome Mapping Center
 1993 Organizer, Yeast Artificial Chromosome (YAC) Cloning Workshop
 Washington, D.C.
 1993 Organizer, First International Workshop on Human Chromosome 7
 Marburg, Germany
 1995-1997 Organizer, Annual “Genome Mapping & Sequencing” Meeting
 Cold Spring Harbor Laboratory
 1995-1997 Member, Quarterly Review Committee
 Genome Data Base (GDB)
 1997-2001 Member, Genome Research Review Committee
 National Human Genome Research Institute
 National Institutes of Health
 1998 Organizer, NIH Workshop “Genomic Alterations in Genetic Disease:
 Mechanisms of Structural Rearrangements”
 1998 Organizer, ASHG Workshop “Human Genetics in the Sequence-Based Era”
 American Society of Human Genetics Annual Meeting
 1998-2000 External Advisor, Cancer Chromosome Aberration Project
 National Cancer Institute
 National Institutes of Health
 1999-2001 Member, Genome Resources Advisory Committee
 National Center for Biotechnology Information

- National Institutes of Health
- 1999 Member, Mammalian Gene Collection Implementation Working Group
National Institutes of Health
- 2001-2005 Chair, NHGRI Bacterial Artificial Chromosome (BAC) Resource Steering Panel
National Human Genome Research Institute, National Institutes of Health
- 2002 Member, Program Committee
American Society of Human Genetics
- 2002-present Co-Chair, Program Committee
“Advances in Genome Biology & Technology” Meeting, Marco Island, Florida
- 2002-2009 Affiliate Member, McKusick-Nathans Institute of Genetic Medicine
Johns Hopkins University School of Medicine
- 2002-2004 Advisor, Acute Myeloid Leukemia Genomics Program
Washington University School of Medicine
- 2003 Co-Chairperson, Oncogenomics 2003 Meeting
- 2003-2005 Vice Chair (2003) & Chair (2005)
“Human Genetics and Genomics” Gordon Research Conference
- 2003-2007 Chair, Scientific Advisory Board
Regulatory Genetics Project
Montreal Genome Centre
- 2003-2004 Member, NSF Maize Genome Sequencing Advisory Committee
- 2004 Co-Organizer, 2004 NIH Research Festival
- 2004 Organizer, Genomics Workshop: “Identification of Functional Elements in Mammalian Genomes,” Cold Spring Harbor Laboratory
- 2004 Member, NHGRI ENCODE Project Resources Working Group
- 2004-2008 Member, Annotating the Human Genome Working Group (Chair, 2006-2008)
- 2006-2007 Member, Sequencing Technology Evaluation Board
Wellcome Trust Sanger Institute
- 2006-2009 Chair, Scientific Advisory Board
Genome British Columbia Genomics Platforms
British Columbia Cancer Agency (BCCA) Genome Sciences Centre
- 2007 Co-Organizer, Genome-Wide Association Studies to Sequencing:
NIH Think Tank and Multi-IC Training Workshop for the
Genes and Environment Initiative (GEI)
- 2007-2008 Member, Scientific Review Board
Starr Cancer Consortium

PROFESSIONAL HONORS:

- 1976 Elected to Membership in National Honor Society
- 1978 Elected to Membership in Phi Eta Sigma
- 1980 Elected to Membership in Gamma Sigma Delta
- 1981 Elected to Membership in Phi Kappa Phi
- 1981 Undergraduate Research Achievement Award
University of Wisconsin (Madison)
- 1981-1985, Predoctoral Trainee, National Institute of General Medical Sciences
1986-1987 Medical Scientist Training Award, Grant GM07200
- 1985-1986 Predoctoral Trainee, National Heart, Lung, and Blood Institute, Grant HL07275
- 1989 Young Investigator Award
Academy of Clinical Laboratory Physicians and Scientists
- 1989-1990 Helen Hay Whitney Postdoctoral Research Fellowship
- 1990 Young Investigator Award with Distinction
Academy of Clinical Laboratory Physicians and Scientists
- 1990-1994 Lucille P. Markey Scholar Award in Biomedical Science
- 1994 Visiting Professor, Department of Pathology
Emory University School of Medicine
- 1996 R. Lee West Lecturer, Department of Pathology and Laboratory Medicine
East Carolina University School of Medicine
- 1998 SmithKline Beecham Lecturer, Department of Pathology
State University of New York Health Science Center at Syracuse
- 2000 Gene Oliver Lecture, New York Pathological Society
- 2001 Keynote Speaker, Genetics Graduate Student Colloquium
Case Western Reserve University
- 2001 Lillian M. Gilbreth Lectureship for Young Engineers
National Academy of Engineering
- 2002 Elected to Membership in the American Society for Clinical Investigation
- 2004-present Member, American Association of University Pathologists (Pluto Society)
- 2004 7th Annual Roy H. Behnke Distinguished Lectureship
University of South Florida College of Medicine
- 2004 22nd Annual William B. Kinter Memorial Lectureship
Mount Desert Island Biological Laboratory
- 2004 NIH Merit Award
- 2005 Alumni Achievement Award, Washington University School of Medicine
- 2005 33rd Carl V. Moore Memorial Lecture, Washington University School of Medicine
- 2007 Elected to Membership in the Association of American Physicians

- 2008 Inaugural Maurice Green Lecture, St. Louis University School of Medicine
- 2010 Chinese Biopharmaceutical Association-USA Brilliant Achievement Award
- 2010 Jean Mitchell Watson Lecture, University of Chicago
- 2010 Distinguished Alumni Award, Washington University
- 2010 Robert M. Hearin Distinguished Lecturer
University of Mississippi Medical Center
- 2011 Visiting Professor, Department of Pathology
Brigham and Women's Hospital, Harvard Medical School
- 2011 20th Annual Paulette Shirey Pritchett Endowed Lecture in Pathology
Department of Pathology, University of Alabama-Birmingham School of Medicine
- 2011 Visiting Professor and Keynote Speaker
Human Genetics Annual Student Research Day, McGill University
- 2011 Cotlove Award Lectureship, Academy of Clinical Laboratory Physicians and Scientists
- 2011 Inaugural Chai Lecture
Short Course on Medical and Experimental Mammalian Genetics
The Jackson Laboratory and Johns Hopkins University
- 2011 Keynote Speaker, First Foundation Day Celebrations
National Institute of Biomedical Genomics, India
- 2012 Wallace H. Coulter Lectureship Award, American Association for Clinical Chemistry
- 2012 NIH Director's Award
- 2012 Ladue Horton Watkins High School Distinguished Alumni Award, Class of 2012
- 2012 National Secretariat for Science, Technology, and Innovation (SENACYT)
International Award, Panama
- 2012 3rd Annual Don Rix Distinguished Keynote Speaker
Genome British Columbia
- 2013 Saul J. Farber Memorial Lectureship
NYU Langone Medical Center
- 2013 Residents Choice Award
Department of Pathology and Laboratory Medicine
Emory University School of Medicine
- 2013 NIH Director's Award
- 2013 NIH Director's Award
- 2014 Margaret & Herman Sokol Lecturer, Montclair State University
- 2014 NIH Director's Award
- 2014 Daisuke Nakada Memorial Lecture, University of Pittsburgh School of Medicine
- 2015 Ewing Halsell Distinguished Lecture, The Center for Medical Humanities & Ethics,
School of Medicine, University of Texas Health Science Center (San Antonio)

- 2016 34th Brindley Distinguished Visiting Professor, Department of Pathology, University of Texas Medical Branch (Galveston)
- 2016 Commencement Speaker, St. Louis University School of Medicine Graduation Ceremony
- 2017 Donald and Elizabeth King Lecture in Pathology, Yale School of Medicine

CONSULTING POSITIONS:

- 1993-1997 Member, Scientific Advisory Board, Mercator Genetics, Inc.
 1997 Consultant, Mercator Genetics, Inc.
 1998 Consultant, Progenitor, Inc.
 1995-2002 Consultant, Life Technologies, Inc./Invitrogen, Inc.
 1997-2005 Consultant, Monsanto Corporation
 1998-2002 Member, Scientific Advisory Board, Cereon Genomics, LLC
 1998-2004 Consultant, Exelixis Pharmaceuticals, Inc.
 1999-2002 Consultant, Lexicon Genetics, Inc.
 1999-2002 Consultant, Tularik, Inc.
 2000-2002 Consultant, Specialty Laboratories
 2002-2005 Member, Scientific Advisory Board, Aureon Biosciences Corporation
 2003-2005 Member, Scientific Advisory Board, Geisinger Health System

SERVICE ON NIH COMMITTEES:

- 2000 Chair, NIDCD Tenure-Track Investigator Search Committee
 2002 Member, NCI Tenure-Track Investigator Search Committee
 2002 Member, NIH Central Tenure Committee
 2002-2010 Member, Board of NIH Scientific Directors
 2003 Member, ARAC Acquisitions Working Group
 2003-2009 Member, Technology Transfer Policy Board
 2003-2008 Member, NIH Office of Research Services Advisory Committee
 2003-2004 Member, NIH Ad Hoc Parking Advisory Committee
 2004 Co-Organizer, NIH Research Festival
 2004-2006 Member, NIMH Scientific Director Search Committee
 2004-2010 Member, NIH Ethics Advisory Committee (NEAC)
 2005 Member, NIH Director's Lecture Series Selection Committee
 2005-2006 Member, NIH Office of Research Services Director Search Committee
 2005-2006 Member, NIH Office of Human Resources Director Search Committee
 2005-2010 Chair, NIH Office of Intramural Training and Education Steering Committee
 2006 Chair, NIH Office of Intramural Training and Education Director Search Committee
 2006 Member, Renovation/Space/Leasing Intramural Budget Stretching Committee
 2006-2007 Member, NIH Scientific Directors Shared Resources Subcommittee
 2007-2010 Member, NIH Teleworking Task Force
 2007-2010 Member, NIH Scientific Directors Agenda-Setting Subcommittee
 2008 Member, NIMH Scientific Director Search Committee
 2008 Member, NIH Ethics Office Senior Policy Advisor Search Committee

2008-2009 Chair, NIDCD Scientific Director Search Committee
 2008-2009 Member, Center for Inherited Disease Research Board of Governors
 2009 Member, NIEHS Scientific Director Search Committee
 2009-2010 Member, NIH Intramural Working Group
 2009-2010 Chair, NIDA Scientific Director Search Committee
 2009-2010 Ex Officio Member, Secretary's Advisory Committee on Genetics, Health, and Society (SACGHS)
 2009-2011 Co-Chair, Knockout Mouse Project (KOMP) Advisory Committee
 2010-2011 Co-Chair, Institute/Center Directors-National Center for Advancing Translational Sciences Working Group
 2010-2011 Chair, NICHD Scientific Director Search Committee
 2010-2011 Member, Translational Medicine and Therapeutics Working Group of the SMRB
 2010-2012 Member, NIH Scientific Management Review Board (SMRB)
 2010-2012 Member, Substance Use, Abuse, and Addiction (SUAA) Task Force
 2011-2013 Member, NIGMS Director Search Committee (Co-Chair, 2012-present)
 2009-2015 Co-Chair, NIH Genomic Data Sharing Senior Oversight Committee
 2009-present Co-Chair, Center for Inherited Disease Research Board of Governors
 2009-present Co-Chair, Human Microbiome Project Implementation Group
 2010-present Co-Chair, Knockout Mouse Phenotyping Project (KOMP2) Implementation Group
 2010-2017 Co-Chair, Protein Capture Reagents Project Implementation Group
 2010-present Co-Chair, Genotype-Tissue Expression (GTEx) Project Implementation Group
 2010-2016 Co-Chair, NCBI Resource Board
 2010-present Co-Chair, H3Africa (Global Health) Project Implementation Group
 2010-present Member, NIH Facilities Working Group
 2011 Member, NIH Facilities Working Group Budget Subcommittee
 2011-2012 Co-Chair, NCATS Director Search Committee
 2011-2012 Co-Chair, NIH Facilities Working Group Master Plan Subcommittee
 2012 Co-Chair, Trans-NIH Molecular Profiling Data and Informatics Task Force Subgroup
 2012-2013 Member, Target Validation Steering Committee
 2012-2014 Co-Chair, NCBI Working Group of the Advisory Committee to the NIH Director
 2013 Member, NIH Intramural Long-Term Planning Group
 2013 Co-Chair, NIH Associate Director for Data Science Search Committee
 2013-present Co-Chair, Undiagnosed Diseases Network Implementation Group
 2013-present Member, NIH Scientific Data Council (Chair, 2013-2014)
 2014-present Member, Technology Transfer Steering Committee
 2014-2015 Co-Chair, NIH Office of Legislative Policy and Analysis Director and NIH Office of Science Policy Director Search Committee
 2014-present Co-Chair, NIH Cell Line Authentication Working Group
 2014-2015 Co-Chair, National Library of Medicine Working Group, Advisory Committee to the NIH Director
 2015 Co-Chair, Institute/Center Directors Precision Medicine Initiative Working Group
 2015-2016 Co-Chair, National Library of Medicine Director Search Committee
 2016-2017 Science Data Management and Stewardship Task Force
 2017-present Advisory Committee to the NLM Re: Data Science
 2017-present Co-Chair, NIH Data Science Policy Council
 2017-present NIH Representative, Global Alliance for Genomics and Health (GA4GH)
 2017-present All-of-Us Research Program Institute/Center Leadership Group
 2017-present Chair, Building 31 Replacement Committee

TALKS AT PROFESSIONAL MEETINGS, WORKSHOPS, AND COURSES:

- 1985 Gordon Research Conference: “Glycoproteins and Glycolipids”
- 1986 Federation of American Societies for Experimental Biology Annual Meeting
- 1989 Cold Spring Harbor Laboratory Meeting: “Genome Mapping and Sequencing”
- 1989 Academy of Clinical Laboratory Physicians and Scientists Annual Meeting
- 1989 Lake Tahoe Symposium: “Advances in Recombinant DNA Technology”
- 1990 Cold Spring Harbor Laboratory Meeting: “Genome Mapping and Sequencing”
- 1990 Academy of Clinical Laboratory Physicians and Scientists Annual Meeting
- 1990 Cystic Fibrosis Foundation Conference: “The Gene— Nine Months Later”
- 1990 American Society of Human Genetics Annual Meeting
- 1991 Cold Spring Harbor Laboratory Meeting: “Genome Mapping and Sequencing”
- 1991 Cold Spring Harbor Laboratory Course: “Molecular Genetic Analysis of Diseases of the Nervous System”
- 1991 Cold Spring Harbor Laboratory Course: “Genetic Approaches to Human Disease Using DNA Markers”
- 1991 U. of Pittsburgh Symposium: “Statistical Methods in Genome Analysis”
- 1991 International Congress of Human Genetics Meeting
- 1992 NIH-DOE Joint Working Group on the Mouse Meeting
- 1992 Conference on Bioinformatics, Supercomputers, and Complex Genome Analysis
- 1992 9th Wellcome Summer School: “DNA-Related Methods in Human Genetics”
- 1992 College of American Pathologist Conference XXIV: “Molecular Pathology”
- 1993 Cold Spring Harbor Laboratory Meeting: “Genome Mapping and Sequencing”
- 1993 First International Workshop on Human Chromosome 7
- 1994 American Society of Clinical Pathology/College of American Pathologists Annual Meeting
- 1995 Cold Spring Harbor Laboratory Course: “Cloning and Analysis of Large DNA Molecules”
- 1995 Electrophoresis Society Annual Meeting
- 1995 College of American Pathologists House of Delegates’ Annual Meeting
- 1995 Cold Spring Harbor Laboratory Course: “YACs in Structural and Biological Genome Analysis”
- 1995 American Society for Investigative Pathology Course: “Concepts in Molecular Biology”
- 1995 5th International Workshop on the Identification of Transcribed Sequences
- 1996 U.S. & Canadian Academy of Pathology Meeting: “Molecular Pathology”
- 1996 Academy of Clinical Laboratory Physicians and Scientists Annual Meeting
- 1996 Annual Meeting of the Lucille P. Markey Scholars
- 1996 American Society for Investigative Pathology Course: “Concepts in Molecular Biology”
- 1996 Cold Spring Harbor Laboratory Course: “YACs in Structural and Biological Genome Analysis”
- 1997 Monbu-sho Symposium: “Human Genome Project” (Tokyo, Japan)
- 1997 Association of Biomolecular Resource Facilities Annual Meeting: “Techniques at the Genome/Proteome Interface”
- 1997 4th UNESCO South-North Human Genome Conference
- 1997 Cold Spring Harbor Laboratory Course: “Advanced Genome Sequence Analysis”
- 1997 Cold Spring Harbor Laboratory Course: “Positional Cloning— Contig to Candidate Gene”
- 1998 American Society for Investigative Pathology Course: “Concepts in Molecular Biology”

- 1998 Annual Meeting of the Teratology Society, NICHD Symposium: “Genomics in Birth Defect Research”
- 1998 NIH Workshop: “Genomic Alterations in Genetic Disease: Mechanisms of Structural Rearrangements”
- 1998 NICHD Workshop: “Structural Birth Defects”
- 1998 Centre for Cellular Biology at the University of Hong Kong Symposium: “Impacts of Genome Projects on Medicine and Biotechnology”
- 1998 Cold Spring Harbor Laboratory Course: “Positional Cloning— Contig to Candidate Gene”
- 1998 Hackensack University Medical Center Biomedical Ethics Symposium: “The Human Genome Project— The Science of Genetic Research and the Social Implications”
- 1998 NHGRI/Smithsonian Course: “A User’s Guide to Genetics— The Medicine of the Future”
- 1998 ASHG Workshop: “Human Genetics in the Sequence-Based Era”
- 1998 AACC’s 8th Annual Clinical Chemistry Forum: “Issues in Genetic Testing”
- 1999 NIH Workshop: “Non-Mammalian Models”
- 1999 Cold Spring Harbor Laboratory Course: “Advanced Genome Sequence Analysis”
- 1999 Southeast Development Biology Meeting, St. Jude’s Children’s Research Hospital
- 1999 AACC’s 31st Annual Oak Ridge Conference: “On the Road to Non-Invasive Testing”
- 1999 National Eye Institute Workshop: “Functional Genomics”
- 1999 St. Louis University Colloquium: “Conference on Genetics and Ethics”
- 2000 Smithsonian Course “Biotechnology: The Future is Now”
- 2000 Advances in Genome Biology and Technology (AGBT) Annual Meeting
- 2000 NAWJ Meeting: “Bioethics, Ethics, and the Law”
- 2000 NIH Workshop: “Setting Priorities for Phenotyping the Mouse Nervous System and Behavior”
- 2000 Teratology Society Satellite Symposium: “Genomics, Proteomics, Bioinformatics, and Developmental Toxicology in the 21st Century”
- 2000 Cold Spring Harbor Laboratory Meeting: “Mouse Molecular Genetics”
- 2000 National Academy of Engineering: Sixth Annual Symposium on Frontiers of Engineering
- 2000 2nd Meeting of Athena Pathology Society
- 2000 American Museum of Natural History Symposium: “Sequencing the Human Genome”
- 2000 NIH Research Festival Plenary Session: The Utility of Whole Genome Sequences— Early Glimpses of the Sequence-based Era”
- 2000 Pre-ICER Satellite Symposium 2000: “Ocular Genomics and Proteomics”
- 2001 Oncogenomics Conference 2001: “Dissecting Cancer Through Genome Research”
- 2001 Advances in Genome Biology and Technology (AGBT) Annual Meeting
- 2001 AAAS Meeting: “2001 Genome Seminar— Beyond the Human Genome”
- 2001 Meeting of the Mid-Atlantic Chapter of the American Medical Writers Association
- 2001 Cold Spring Harbor Laboratory Meeting: “Genetic Basis of Neurological and Behavioral Disorders”
- 2001 1st International Workshop on the Genetics of Bone Disease
- 2001 Society of Toxicologic Pathology Meeting: “Toxicologic Pathology in the New Millennium”
- 2001 Jackson Laboratory Short Course on Medical and Experimental Genetics
- 2001 Gordon Research Conference: “Human Molecular Genetics”
- 2001 ASHG Workshop: “Comparing Genome Sequences of Vertebrates”
- 2001 NYU Medical School Conference: “Advances in Dermatology”
- 2001 Delaware Medical Society Annual Meeting
- 2001 ASCB Minorities Affairs Committee Sponsored Symposium: “Log-on for Success”
- 2002 Plant, Animal, and Microbial Genomes X

- 2002 NRC Workshop: “Exploring Horizons for Domestic Animal Genomics”
- 2002 Cold Spring Harbor Laboratory Course: “Acquiring and Analyzing Genomic Sequence Data”
- 2002 St. Louis University Colloquium: “Genetic Engineering and the Question of Limits”
- 2002 American Society for Clinical Investigation Annual Meeting
- 2002 Oncogenomics Conference 2002: “Dissecting Cancer Through Genome Research”
- 2002 Cold Spring Harbor Laboratory Meeting: “Genome Sequencing and Biology”
- 2002 University of Virginia Symposium: “Comparative Genomics— Biology from Genomes”
- 2002 3rd Annual Meeting of Great Plains States Society for Molecular Biology and Genetics
- 2002 42nd Annual Congress of the Federation of South African Societies of Pathology
“Pathogenomics 2002”
- 2002 Jackson Laboratory Meeting: “Mouse Initiatives IV— Comparative Genomic Approaches to the Analysis of Gene Function and Human Disease”
- 2002 Genome Sequencing and Analysis Conference XIV
- 2002 Keck 2002 Bioinformatics Symposium (Keck Center for Computational and Structural Biology and the Gulf Coast Consortium for Bioinformatics)
- 2002 American Society of Nephrology Annual Meeting
- 2002 16th International Mouse Genome Conference
- 2003 Oncogenomics Conference 2003: “Dissecting Cancer Through Genome Research”
- 2003 NHGRI/NIH Symposium: “From Double Helix to Human Sequence— and Beyond”
- 2003 10th ASM Undergraduate Microbiology Education Conference: “Microbiology Education in the Next Decade: Focus on the Future”
- 2003 68th Cold Spring Harbor Symposium on Quantitative Biology: “The Genome of *Homo Sapiens*”
- 2003 Bovine Genomics Workshop
- 2003 International University of Ecuador: “Transcending Frontiers of Medicine”
- 2003 Gordon Research Conference: “Human Genetics and Genomics”
- 2003 Stem Cell Genome Anatomy Project Retreat
- 2003 18th Regional Cancer Research Symposium, Vermont Cancer Center
- 2003 13th Annual Irwin M. Arias, M.D. Symposium: “Bridging Basic Sciences and Liver Disease”
- 2003 Workshop on Wheat Genome Sequencing
- 2003 Smithsonian Institute Forum: “Genetics and the Future of Our Health”
- 2003 NHGRI Symposium: “From Base Pairs to Bedside”
- 2003 San Antonio Breast Cancer Satellite Symposium: “Molecular Markers in Breast Cancer”
- 2003 Cold Spring Harbor Laboratory Meeting: “Rat Genomics and Models”
- 2004 Annual Meeting of American Association of University Pathologists (Pluto Society)
- 2004 Strategic Research Institute Meeting: “Capturing the Full Potential of Biotechnology in Health Care Delivery”
- 2004 Cold Spring Harbor Laboratory Meeting (Banbury Center): “Finding the Functional Elements of the Genome”
- 2004 Experimental Biology 2004 Symposium: “A Bioinformatics How-To for the Wet-Lab Physiologist”
- 2004 Samuel Lunenfeld Research Institute International Symposium 2004: “Molecular Evolution”
- 2004 Genomes & Evolution 2004 (Joint Meeting of the Society for Molecular Biology and Evolution and American Genetic Association)
- 2004 AACR Workshop in Cancer Research: “Molecular Biology in Clinical Oncology”
- 2004 11th Mount Desert Island Biological Laboratory Environmental Health Sciences Symposium: “Insights from Comparative Genomic and Toxicogenomic Analyses”

- 2004 12th International Conference on Intelligent Systems for Molecular Biology/3rd European Conference on Computational Biology
- 2004 15th International Chromosome Conference (ICC XV)
- 2004 13th Annual Symposium of the Developmental Biology Center at the University of Minnesota: “From Egg to Organ: Development and Disease”
- 2004 Pseudoxanthoma Elasticum Research Meeting 2004
- 2005 Advances in Genome Biology and Technology (AGBT) Annual Meeting
- 2005 Annual Meeting of the American Society for Biochemistry and Molecular Biology (Experimental Biology 2005)
- 2005 Washington University School of Medicine Alumni Reunion Scientific Program: “Medical Update 2005”
- 2005 Cold Spring Harbor Laboratory Meeting: “Genome Biology”
- 2005 15th International Congress of Comparative Endocrinology
- 2005 The Henry M. & Lillian Stratton Basic Research Single Topic Conference: “Exploring the Functional Genomics and Proteomics of Liver in Health and Disease”
- 2005 AACR Workshop on the Human Epigenome
- 2005 AACR Workshop in Cancer Research: “Molecular Biology in Clinical Oncology”
- 2005 Pennsylvania State University 24th Summer Symposium in Molecular Biology: “Comparative and Functional Genomics”
- 2005 Gordon Research Conference: “Human Genetics and Genomics”
- 2005 UCSD Project for Explaining the Origins of Humans Symposium: “Understanding Great Apes in the Genomic Era”
- 2005 Windber Research Institute Meeting: “4th Annual Showcase for Biotechnology”
- 2005 The Genomics Biotech Institute Meeting: “Genomics and Biologics— Their Impact on the Future of Patient Care”
- 2005 Iowa State University Growth Factor and Signal Transduction Symposium: “Integration of Structural and Functional Genomics”
- 2005 American Society of Clinical Pathologists Annual Meeting: “Pathology Today”
- 2005 17th Annual Meeting, Korean Society for Molecular and Cellular Biology
- 2005 Emory/Georgia Tech Predictive Health Initiative Symposium: “Seeking Ponce’s Dream: The Promise of Predictive Health”
- 2006 Genetics Society of America Meeting: “Genetic Analysis: Model Organisms to Human Biology”
- 2006 Advances in Genome Biology and Technology (AGBT) Annual Meeting
- 2006 Keystone Symposia Conference: “Systems Biology: Integrating Biology, Technology, and Computation”
- 2006 31st Annual Meeting, Association of Genetic Technologists
- 2006 AACR Workshop in Cancer Research: “Molecular Biology in Clinical Oncology”
- 2006 Genetic Alliance Annual Conference
- 2006 2nd National Congress of Genomic Medicine, Mexico
- 2006 Keynote Speaker, University of Maryland Bioscience Research & Technology Review Day
- 2007 Genome British Columbia Genomics Forum: “Biomarkers, New Sequencing Technologies, and Their Applications”
- 2007 Capstone Speaker, 6th Annual BIO IT Coalition Conference: “The State of Healthcare & Medical Technology in 2020”
- 2007 Keynote Speaker, 2007 American Institute of Biological Sciences (AIBS) Annual Meeting
- 2007 Keynote Speaker, Institute of Genetic Medicine Annual Retreat, Johns Hopkins University School of Medicine

- 2007 AACR Workshop in Cancer Research: “Molecular Biology in Clinical Oncology”
- 2007 Gordon Research Conference: “Human Genetics and Genomics”
- 2007 International Conference on Genomics (Shenzhen, China)
- 2007 Cold Spring Harbor Laboratory Course: “Computational Genomics”
- 2008 Keynote Speaker, 4th International Conference “Advances in Canine and Feline Genomics and Inherited Diseases”
- 2008 AACR Workshop in Cancer Research: “Molecular Biology in Clinical Oncology”
- 2008 American Ceramic Society Annual Meeting
- 2009 AAAS Annual Meeting: “Studying Vertebrate Genomes: Reading Evolution’s Notebooks”
- 2009 Cardiff University/The Wales Gene Park Meeting: “Clinical Medicine in the Genome Era”
- 2009 Meeting of the African Society of Human Genetics
- 2009 Wellcome Trust/NHGRI Frontiers Meeting: “Genetic Diversity in Health and Disease in African Populations”
- 2009 Oxford Workshop: “Identifying Loci Involved in the Susceptibility to Common Disease”
- 2009 Genome 10K Workshop
- 2009 Keynote Speaker, 4th Annual Sequencing, Finishing, and Analysis in the Future Meeting
- 2009 Keynote Speaker, American Genetic Association Conference: “Next Generation Genome Analysis in Non-model Organisms”
- 2009 AACR Workshop in Cancer Research: “Molecular Biology in Clinical Oncology”
- 2009 Gordon Research Conference: “Human Genetics and Genomics”
- 2009 Keynote Speaker, Montreal Bioinformatics Users Group (MonBUG) Bioinformatics Symposium 2009
- 2009 European Science Foundation (ESF)-COST Meeting: “Complex Systems and Changes— Darwin and Evolution: Nature-Culture Interfaces”
- 2009 NIH Symposium: “Finished Proofs? — A Symposium to Celebrate the 150th Anniversary of the Publication of *On the Origin of Species* (1859)”
- 2009 ACR/ARHP Annual Meeting: “ACR Basic Research Conference”
- 2010 United States and Canadian Academy of Pathology Annual Meeting
- 2010 American Society of Gene and Cellular Therapy Annual Meeting
- 2010 Second Annual Consumer Genetics Conference
- 2010 Chinese Biopharmaceutical Association, USA 15th Annual Conference
- 2010 AACR Workshop in Cancer Research: “Molecular Biology in Clinical Oncology”
- 2010 Keynote Speaker, Cold Spring Harbor Laboratory Meeting: “Personal Genomes”
- 2010 Keynote Speaker: 13th Annual Meeting, National Coalition for Health Professional Education in Genetics
- 2010 Association of Independent Research Institutes (AIRI) Meeting
- 2010 Genomics of Common Diseases Meeting
- 2010 Cambridge Healthtech Institute’s 2nd Annual Meeting: “Accelerating Development and Advancing Personalized Therapy”
- 2010 Cold Spring Harbor Laboratory Meeting Meeting (Banbury Center): “Genome Era Pathology, Precision Diagnostics, and Preemptive Care: A Stakeholder Summit”
- 2010 NIAAA Symposium (at ASHG Annual Meeting): “Tightening the Genotype-Phenotype Gap— From Genetic Variation to Gene Function”
- 2010 Keynote Speaker, Cold Spring Harbor Laboratory Meeting: “Pharmacogenetics and Personalized Medicine”
- 2010 American Society of Hematology Annual Meeting
- 2010 HHMI Workshop: “Unraveling Epigenomics in Health and Disease”

- 2011 Keynote Speaker, Association of Biomolecular Resource Facilities (ABRF) Annual Symposium
- 2011 *Nature* Conference: “Human Genomics— The Next 10 Years”
- 2011 Joint International Conference of the African and Southern African Societies of Human Genetics
- 2011 2011 ELSI Congress: “Exploring the ELSI Universe”
- 2011 2011 College of American Pathologists (CAP) Policy Meeting
- 2011 The Future of Pathology in Personalized Medicine— A Stakeholder Summit
- 2011 Academy of Clinical Laboratory Physicians and Scientists Annual Meeting
- 2011 Jackson Laboratory Short Course on Medical and Experimental Mammalian Genetics
- 2011 Keynote Speaker, Gordon Research Conference: “Human Genetics and Genomics”
- 2011 Keynote Speaker, NIDA/NIAAA Satellite Symposium at the World Congress of Psychiatric Genetics: “The Genetics and Epigenetics of Substance Abuse”
- 2011 CDC Meeting: “Developing Priorities for Public Health Genomics 2012-2017”
- 2011 Proteus Syndrome Foundation Meeting
- 2012 CBI’s 4th Annual Forum for Payers on Personalized Medicine
- 2012 NCI Second Symposium: “Integrative Cancer Biology and Genomics”
- 2012 *Nature* Colloquium on Biomedicine: “From Human Genetics to Validated Drug Target”
- 2012 Keynote Speaker, *Cell* Symposia: “Genetics and Chemistry— Sharing a Language of Discovery”
- 2012 Keynote Speaker, Genetics Awareness Project Meeting: “Why We Can’t Wait— Conference to Eliminate Health Disparities in Genomic Medicine”
- 2012 Genetic Society of America Meeting: “Model Organisms to Human Biology— Cancer Genetics”
- 2012 340B Coalition Annual Science Conference
- 2012 Association of Pathology Chairs Annual Meeting
- 2012 Keynote Speaker, American Association for Clinical Chemistry Annual Meeting
- 2012 Keynote Speaker, 1st International Conference on Genomics in the Americas
- 2012 Keynote Speaker, Association of Panamanian Science and Technology (APANAC) Annual Meeting
- 2012 State-of-the-Art Lecturer, American Society of Nephrology Annual Meeting
- 2012 Keynote Speaker, 2012 *Nature*/UCSD Institute of Genomic Medicine Symposium
- 2012 Oxford-Stanford Conference on Big Data: “Challenges and Opportunities for Human Health”
- 2013 Keynote Speaker, Keystone Symposia Conference: “New Frontiers in Cardiovascular Genetics Beyond GWAS”
- 2013 Clinical and Laboratory Standards Institute Leadership Conference: “Embracing Molecular Diagnostics and Genome Sequencing”
- 2013 Plenary Speaker, 110th Meeting of the North Carolina Academy of Science (NCAS)
- 2013 Featured Speaker, 148th Annual Banquet, Washington Clinico-Pathological Society
- 2013 Keynote Speaker, National Consortium for Data Science Leadership Summit: “Data to Discover: Genomes to Health”
- 2013 Smithsonian Conference: “The Future is Here”
- 2013 Keynote Speaker, Sleep Research Society 2013 Trainee Symposia Series
- 2013 Keynote Speaker, 13th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology
- 2013 Keynote Speaker, Mayo Clinic Conference: “Individualizing Medicine: From Promise to Practice”
- 2013 Keynote Speaker, 14th EMBO/EMBL Science and Society Conference “Public and Private Health: Genomics, Medicine, and Society”

- 2013 2013 Inter-Academy Seoul Science Forum, The Korean Academy of Science and Technology
- 2013 Biennial Musculoskeletal Summit: “Best Practices in Patient-Centered Musculoskeletal Care”
- 2013 International Forum (Mexico City): “Genomics, Innovation, and Economic Growth”
- 2014 Plenary Speaker, International Plant and Animal Genomes XXII
- 2014 Personalized Medicine World Conference 2014
- 2014 American Medical Writers Association of New York Event
- 2014 Keynote Speaker, Society for Molecular Biology & Evolution (SMBE) Annual Meeting
- 2014 Keynote Speaker, The Genomics of Common Diseases 2014 Meeting
- 2014 Joint Annual Meeting of American Association of Medical Colleges GREAT and GRAND Groups
- 2014 Association of Molecular Pathologists Annual Meeting
- 2014 Genome Canada/Gairdner Foundation Meeting: “Genomics: The Power and The Promise”
- 2015 Advances in Genome Biology and Technology (AGBT) Annual Meeting
- 2015 Association of Schools and Programs of Public Health Annual Meeting
- 2015 Personalized Medicine World Conference United Kingdom 2015
- 2015 Smithsonian Magazine “The Future is Here” Festival
- 2015 Keynote Speaker, American Psychiatric Nurses Association 13th Annual Clinical Psychopharmacology Institute
- 2015 Keynote Speaker, Mitochondrial Medicine 2015 International Symposium, United Mitochondrial Disease Foundation
- 2015 Festival of Genomics 2015, Front Line Genomics
- 2015 Keynote Speaker, 2015 Association of Veterans Administration Hematology/Oncology Conference
- 2015 BioData World Congress 2015
- 2015 Smithsonian Institution Earth BioGenome Project Meeting
- 2015 Keynote Speaker, Canton Nucleic Acid Forum 2015
- 2016 Keynote Speaker, Shenandoah Valley Biotechnology Symposium
- 2016 Inova Heart and Vascular Institute, Cardiovascular Symposium “Contemporary Strategies for Practice Excellence in Cardiovascular Disease”
- 2016 First International Conference on Founder Populations and Their Contribution to Our Understanding of Biology and History: Lessons from the Jewish Genome
- 2016 Keynote Speaker, 38th International Conference of the Institute of Electrical and Electronics Engineers (IEEE) Engineering in Medicine and Biology Society
- 2016 Speaker, 8th Scientific Meeting of the TMJ Association
- 2016 Keynote Speaker, Human Frontier Science Program International Workshop: Data Resources in the Life Sciences
- 2017 Speaker, Gordon Research Conference: “Quantitative Genetics & Genomics”

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