

# CURRICULUM VITAE

## Eric Douglas Green

**DATE:** February 28, 2023

**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  
31 Center Drive, MSC 2152  
Building 31, Room 4B09  
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Web Site: [genome.gov/Director](http://genome.gov/Director)  
Twitter: [@NHGRI\\_Director](https://twitter.com/NHGRI_Director)

### EDUCATION:

1981 B.S., University of Wisconsin (Madison), Bacteriology  
Graduated with Highest Distinction

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
- 2001-2018      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” (AGBT) Meeting
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
2016-present	Co-Chair, Program Committee “Advances in Genome Biology & Technology” (AGBT) Precision Health Meeting
2017-present	Member, Life Sciences Resources Sustainability Steering Group

**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, 1986-1987	Predocotrinal Trainee, National Institute of General Medical Sciences Medical Scientist Training Award, Grant GM07200
1985-1986	Predocotrinal 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	7 <sup>th</sup> Annual Roy H. Behnke Distinguished Lectureship University of South Florida College of Medicine
2004	22 <sup>nd</sup> 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	33 <sup>rd</sup> 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 20<sup>th</sup> 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 3<sup>rd</sup> 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 34<sup>th</sup> 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
- 2017 Featured in University of Wisconsin Alumni Park  
(<https://www.alumnipark.com/exhibits/featured/eric-green/>)
- 2018 Accepted 2017 Prince Mahidol Award in the Field of Medicine on behalf of the Human Genome Project
- 2018 Honorary Doctor of Science, Washington University
- 2018 NIH Director's Award
- 2019 NIH Director's Award
- 2020 Obaid Siddiqi Memorial Oration, National Institute of Biomedical Genomics, Kolkata, India
- 2021 National Institute for Child Health and Development (NICHD) Collaboration Award
- 2022 Distinguished Lecture in Human Genetics, Department of Human Genetics, Emory University School of Medicine
- 2022 2022 Antonija Prelec Memorial Lecture, Stony Brook University

**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
2009-2018	Co-Chair, Center for Inherited Disease Research Board of Governors
2018-present	Ex Officio Member, Center for Inherited Disease Research Board of Governors
2009-2018	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
2010-2017	Co-Chair, Genotype-Tissue Expression (GTEx) Project Implementation Group
2010-2016	Co-Chair, NCBI Resource Board
2010-2022	Co-Chair, H3Africa (Global Health) Project Implementation Group
2010-present	Member, NIH Facilities Working Group (Chair, 2019-present)
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
2012-2021	Member, NIH-CMS Joint Leadership Council
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)
2014-2019	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
2014-2017	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	Member, Science Data Management and Stewardship Task Force
2017	Member, 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	Member, <i>All of Us</i> Research Program Institute/Center Leadership Group
2017-2018	Chair, Building 31 Replacement Committee
2017-2019	Member, NIH Data Commons Working Group
2017-2020	Member, Genomics Working Group of the <i>All of Us</i> Research Advisory Panel
2017-2018	Member, NIH Data Science Workforce ‘SWAT’ Team
2017-2018	Co-Chair, Genomic Data Sharing Policy Ad-Hoc Group
2018-2019	Member, NIH Director’s Awards Committee
2018-2020	Member, NIH Chief Data Strategist Search Committee
2018-2019	Member, National Institute of Arthritis and Musculoskeletal and Skin Director Search Committee
2019	Member, <i>All of Us</i> Research Program CEO Search Committee
2019-2022	Strategic Engagement Agenda Institute/Center Director’s Executive Group
2019-2021	Transparency of NIH Workshops Task Force
2019-2020	Member, National Institute of Dental and Craniofacial Research Director Search Committee
2020-present	Co-Chair, Artificial Intelligence for Biomedical Excellence (AIBLE) Implementation Group
2021	ARPA-H and Institute/Center Interface Working Group
2021-2022	Co-Chair, NIH Deputy Director for Intramural Research Search Committee
2022	Member, National Center for Biotechnology Information Director Search Committee
2023	Co-Chair, NIH Deputy Director for Program Coordination, Planning, and Strategic Initiatives Search 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 9<sup>th</sup> 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 5<sup>th</sup> 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 4<sup>th</sup> 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 8<sup>th</sup> 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 31<sup>st</sup> 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 21<sup>st</sup> Century”
- 2000 Cold Spring Harbor Laboratory Meeting: “Mouse Molecular Genetics”
- 2000 National Academy of Engineering: Sixth Annual Symposium on Frontiers of Engineering
- 2000 2<sup>nd</sup> 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 1<sup>st</sup> 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 3<sup>rd</sup> Annual Meeting of Great Plains States Society for Molecular Biology and Genetics
- 2002 42<sup>nd</sup> 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 16<sup>th</sup> 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 10<sup>th</sup> ASM Undergraduate Microbiology Education Conference: “Microbiology Education in the Next Decade: Focus on the Future”
- 2003 68<sup>th</sup> 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 18<sup>th</sup> Regional Cancer Research Symposium, Vermont Cancer Center
- 2003 13<sup>th</sup> 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 11<sup>th</sup> Mount Desert Island Biological Laboratory Environmental Health Sciences Symposium: “Insights from Comparative Genomic and Toxicogenomic Analyses”
- 2004 12<sup>th</sup> International Conference on Intelligent Systems for Molecular Biology/3<sup>rd</sup> European Conference on Computational Biology
- 2004 15<sup>th</sup> International Chromosome Conference (ICC XV)
- 2004 13<sup>th</sup> 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 15<sup>th</sup> 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 24<sup>th</sup> 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: “4<sup>th</sup> 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 17<sup>th</sup> 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 31<sup>st</sup> Annual Meeting, Association of Genetic Technologists
- 2006 AACR Workshop in Cancer Research: “Molecular Biology in Clinical Oncology”
- 2006 Genetic Alliance Annual Conference
- 2006 2<sup>nd</sup> 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, 6<sup>th</sup> 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, 4<sup>th</sup> 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, 4<sup>th</sup> 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 150<sup>th</sup> 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 15<sup>th</sup> 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: 13<sup>th</sup> 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 2<sup>nd</sup> 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 4<sup>th</sup> 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, 1<sup>st</sup> 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, 110<sup>th</sup> Meeting of the North Carolina Academy of Science (NCAS)
- 2013 Featured Speaker, 148<sup>th</sup> 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, 13<sup>th</sup> International Congress of Therapeutic Drug Monitoring and Clinical Toxicology
- 2013 Keynote Speaker, Mayo Clinic Conference: “Individualizing Medicine: From Promise to Practice”
- 2013 Keynote Speaker, 14<sup>th</sup> 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 13<sup>th</sup> 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 6<sup>th</sup> Meeting of the Human Heredity and Health in Africa (H3Africa) Consortium
- 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, 38<sup>th</sup> International Conference of the Institute of Electrical and Electronics Engineers (IEEE) Engineering in Medicine and Biology Society
- 2016 8<sup>th</sup> Scientific Meeting of the TMJ Association
- 2016 UBS Genomics Summit
- 2016 Keynote Speaker, Human Frontier Science Program International Workshop: Data Resources in the Life Sciences
- 2017 Gordon Research Conference: “Quantitative Genetics & Genomics”
- 2017 Keynote Speaker, NIH SciEd 2017 Conference
- 2017 2017 BIO International Convention
- 2017 UBS Genomics 2.0 Summit
- 2017 Keynote Speaker, Cleveland Clinic 2017 Medical Innovations Summit
- 2018 Keynote Speaker, 2018 Prince Mahidol Award Conference
- 2018 Advances in Genome Biology and Technology (AGBT) Annual Meeting
- 2018 Keynote Speaker, NIH SciEd 2018 Conference
- 2018 Maurice Green Symposium, St. Louis University School of Medicine
- 2018 Keynote Speaker, 8<sup>th</sup> Annual Nuka System of Care Conference, Southcentral Foundation
- 2018 Keynote Speaker, 33<sup>rd</sup> Annual National MD/PhD Student Conference
- 2018 Keynote Speaker, 51<sup>st</sup> Annual Meeting of the Association of Pathology Chairs
- 2018 Keynote Speaker, Mayo Clinic Individualizing Medicine Conference 2018
- 2018 12<sup>th</sup> Meeting of the Human Heredity and Health in Africa (H3Africa) Consortium and 11<sup>th</sup> Meeting of African Society of Human Genetics
- 2018 9<sup>th</sup> American Association for Dental Research (AADR) Fall Focused Symposium: Advances in Precision Oral Health Research
- 2018 Colloquium Celebrating 20<sup>th</sup> Anniversary of Genopole: “Living Innovation, Today and Tomorrow”
- 2019 American Physical Therapy Association Annual Meeting
- 2019 Keynote Speaker, 45<sup>th</sup> Annual Eastern-Atlantic Student Research Forum (ESRF)
- 2019 American Association of Colleges of Nursing Annual Deans Meeting
- 2019 Keynote Speaker, Curating the Clinical Genome Meeting 2019
- 2019 Gordon Research Conference: “Human Genetics and Genomics”
- 2019 71<sup>st</sup> American Association of Clinical Chemistry Annual Scientific Meeting and Clinical Lab Expo
- 2019 UBS Genomics 2.0 Summit
- 2020 International 100K Cohort Consortium (IHCC) 3<sup>rd</sup> International Summit
- 2020 Ethical, Legal, and Social Implications Virtual Forum

- 2020 Global Biodata Coalition (GBC) Stakeholder Virtual Meeting
- 2020 UBS Genomics 2.0 Summit
- 2020 Advances in Genome Biology & Technology” (AGBT) Precision Health Meeting
- 2020 Telomere-to-Telomere Consortium/Human Pan-Genome Reference Consortium Meeting
- 2020 InoMed & EuropaBio: Personalised Medicine Conference 2020
- 2020 Keynote Speaker, Eastern Analytical Symposium
- 2021 Keynote Speaker, The Festival of Genomics & Biodata
- 2021 United Arab Emirates Impact Health 2021 (UAE Innovation Month)
- 2021 2<sup>nd</sup> Genome<sup>PT</sup> (Portugal) Symposium
- 2021 UBS Genomics 2.0 Summit
- 2021 Keynote Speaker, Cell Symposia: 20 Years of the Human Genome – From Sequence to Substance
- 2021 Speaker, WHO Science Council Meeting: Accelerating Access to Genomic Technologies for Global Health
- 2022 Keynote Speaker, 20<sup>th</sup> Anniversary Health Canada Science Forum
- 2022 Keynote Speaker, The Festival of Genomics & Biodata
- 2022 Asia Summit on Global Health 2022
- 2023 Keynote Speaker, Genomics India Conference 2023
- 2023 Keynote Speaker, Shenandoah Valley Biotechnology Symposium, 2023

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1. **Green ED**, Gruenebaum J, Bielinska M, Baenziger JU, and Boime I: Sulfation of lutropin oligosaccharides with a cell-free system. *Proc Natl Acad Sci USA* 81:5320-5324, 1984. [PMID: 6591193](#) [PMCID: PMC391695]
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3. **Green ED**, Morishima C, Boime I, and Baenziger JU: Structural requirements for sulfation of asparagine-linked oligosaccharides of lutropin. *Proc Natl Acad Sci USA* 82:7850-7854, 1985. [PMID: 3865202](#) [PMCID: PMC390867]
4. **Green ED**, van Halbeek H, Boime I, and Baenziger JU: Structural elucidation of the disulfated oligosaccharide from bovine lutropin. *J Biol Chem* 260:15623-15630, 1985. [PMID: 2999125](#)
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9. **Green ED**, Boime I, and Baenziger JU: Biosynthesis of sulfated asparagine-linked oligosaccharides on bovine lutropin. *J Biol Chem* 261:16309-16316, 1986. [PMID: 2946684](#)
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