Joanna Groden, Ph.D.

Department of Cancer Biology and Genetics
The Ohio State University College of Medicine

Education

Middlebury College, Middlebury, VT	BA	1978	Biology
Cornell University Graduate School of Medical Sciences, New York, NY	PhD	1989	Cell Biology & Genetics
University of Utah, Salt Lake City, UT	PD	1989-93	Human Genetics

Previous and Current Appointments

Postdoctoral Research Fellow, 2/89-7/93
HHMI/Department of Human Genetics, University of Utah, Salt Lake City, UT
Assistant Professor, 7/93-8/99
Department of Molecular Genetics, Biochemistry and Microbiology, University of Cincinnati College of Medicine, Cincinnati, OH
Program Faculty, 9/95-8/05
Medical Scientist Training Program, University of Cincinnati and Children's Hospital Medical Center, Cincinnati, OH
Faculty Director, 11/95-10/04
University DNA Core Laboratory, University of Cincinnati College of Medicine, Cincinnati, OH
Program Faculty, 6/96-8/05
Graduate Program in Genetic Counseling, University of Cincinnati and Cincinnati Children's Hospital Medical Center, College of Allied Health Sciences (2002-2005), Cincinnati, OH
HHMI Assistant Investigator, 7/97-8/04
Howard Hughes Medical Institute, Chevy Chase, MD
Associate Professor, 9/99-8/03
Department of Molecular Genetics, Biochemistry and Microbiology, University of Cincinnati College of Medicine, Cincinnati, OH
COM Vice Dean for Research, 1/03-12/04
University of Cincinnati College of Medicine, Cincinnati, OH
Professor, 9/03-8/05
Department of Molecular Genetics, Biochemistry and Microbiology, University of Cincinnati College of Medicine, Cincinnati, OH
Professor and Vice Chair for Academic Affairs, 9/05-
Department of Cancer Biology and Genetics, The Ohio State University College of Medicine, Columbus, OH (Departmental name was previously Molecular Virology, Immunology and Medical Genetics)
COM Associate Dean for Basic Research, 1/07-7/11
The Ohio State University College of Medicine, Columbus, OH
COM Associate Dean for Graduate Education, 8/11-1/13
The Ohio State University College of Medicine, Columbus, OH

Co-Director, Biomedical Sciences Graduate Program, 8/11-
The Ohio State University College of Medicine, Columbus, OH
COM Vice Dean for Research, 2/13-3/17
The Ohio State University College of Medicine, Columbus, OH
Associate Senior Vice President for Research, 2/13-3/17
OSU Wexner Medical Center, Columbus, OH
Director, Pelotonia Fellowship Program, 3/17-
The OSU Comprehensive Cancer Center, Columbus, OH

Fellowships and Awards

The Marine Biological Laboratory, Woods Hole, MA, Embryology Summer Course, 1981
National Cancer Institute Basic Cancer Research Training Grant, 9/89-8/91
Howard Hughes Medical Institute, Research Associate, 9/91-7/93
AGA Industry Research Scholar Award, 7/94-6/97
Council for Tobacco Research Scholar, 7/94-6/97
University of Cincinnati Faculty Achievement Award, 1996
Howard Hughes Medical Institute, Assistant Investigator, 7/97-8/04
The Ohio State University Human Cancer Genetics Program Commemorative Medal, 2001
Fellow (Elected), American Gastroenterological Association, 2006
Fellow (Elected), American Association for the Advancement of Sciences, 2006
OSU College of Medicine Excellence in Teaching Award, 2012
Sanford Goldston Memorial Research Award, Ohio Cancer Research, 2016

Professional Associations

American Association for the Advancement of Science
American Association for Cancer Research
American Gastroenterological Association
American Society of Human Genetics

Publications (Peer-Reviewed)

Lechner JF, Kaighn ME, Jetton AM, **Groden J**, German J. Bloom's syndrome cells have an abnormally slow clonal growth rate. Exp Cell Res 1983, 145: 381-388.

Groden J, Nakamura Y, German J. Molecular evidence that homologous recombination occurs in proliferating human cells. Proc Natl Acad Sci USA 1990, 87: 4315-4319.

Kinzler KW, Nilbert MC, Vogelstein B, Bryan TM, Levy DB, Smith KJ, Preisinger AC, Hamilton SR, Hedge P, Markham A, Carlson M, Joslyn G, **Groden J,** White R, Miki Y, Miyoshi Y, Nishisho I, Nakamura Y. Identification of a gene located at chromosome 5q21 that is mutated in colorectal cancers. Science 1991, 251: 1366-1370.

Groden J, Thliveris A, Samowitz W, Carlson M, Gelbert L, Albertsen H, Joslyn G, Stevens J, Spirio L, Robertson M, Sargeant L, Krapcho K, Wolff E, Burt R, Hughes JP, Warrington J, McPherson J, Wasmuth J, LePaslier D, Abderrahim H, Cohen D, Leppert M, White R. Identification and characterization of the familial adenomatous polyposis coli gene. Cell 1991, 66: 589-600.

Joslyn G, Carlson M, Thliveris A, Albertsen H, Gelbert L, Samowitz W, **Groden J**, Stevens J, Spirio L, Robertson M, Sargeant L, Krapcho K, Wolff E, Burt R, Hughes JP, Warrington J, McPherson J, Wasmuth J, LePaslier D, Abderrahim H, Cohen D, Leppert M, White R. Identification of deletion mutations and three new genes at the familial polyposis locus. Cell 1991, 66: 601-613.

Groden J, German J. Bloom's syndrome XVIII. Hypermutability at a tandem-repeat locus. Hum Genet 1992, 90: 360-367.

Groden J, Gelbert L, Thliveris A, Nelson L, Robertson M, Joslyn G, Samowitz W, Spirio L, Carlson M, Burt R, Leppert M, White R. Mutational analysis of patients with adenomatous polyposis: Identical inactivating mutations in unrelated individuals. Am J Hum Genet 1993, 52: 263-272.

Olschwang S, Laurent-Puig P, **Groden J**, White R, Thomas G. Germline mutations in the first fourteen exons of the APC gene. Am J Hum Genet 1993, 52: 273-279.

Varesco L, Gismondi V, James R, Robertson M, Grammatico P, **Groden J**, Casarino L, DeBenedetti L, Bafico A, Bertario L, Sala P, Sassatelli R, Ponz de Leon M, Biasco G, Allegretti A, Aste H, Valabrega S, Rossette C, Illeni MT, Sciarra A, Del Porto G, White R, Ferrara GB. Identification of APC gene mutations in Italian adenomatous polyposis coli patients by PCR-SSCP analysis. Am J Hum Genet 1993, 52: 280-285.

Paul P, Letteboer T, Gelbert L, **Groden J**, White R, Coppes M. Identical APC exon 15 mutations result in a variable phenotype in familial adenomatous polyposis. Hum Mol Genet 1993; 2: 925-931.

Varesco L, **Groden J**, Spirio L, Robertson M, Weiss R, Gismondi V, Ferrara GB, White R. A rapid screening method to detect nonsense and frameshift mutations: Identification of disease-causing APC mutations. Can Res 1993; 53: 5581-5584.

Spirio L, Olschwang S, **Groden J**, Robertson M, Samowitz W, Joslyn G, Gelbert L, Thliveris A, Carlson M, Otterud B, Lynch H, Watson P, Laurent-Puig P, Thomas G, Leppert M, White R. Alleles of the APC gene: An attenuated form of familial polyposis. Cell 1993, 75: 951-957.

Varesco L, Gismondi V, Presciuttini S, **Groden J**, Spirio L, Sala P, De Benedetti L, Bafico A, Heouaine H, Grammatico P, Del Porto G, White R, Bertario L, Ferrara GB. Mutation in a splice-donor site of the APC gene in a family with polyposis and late colon cancer death. Hum Genet 1994, 93:281-286.

Jorde LB, Watkins WS, Carlson M, **Groden J**, Albertson H, Thliveris A, Leppert M. Linkage disequilibrium predicts physical distance in the adenomatous polyposis coli region. Am J Hum Genet 1994, 54: 884-898.

De Benedetti L, Sciallero S, Gismondi V, James R, Bafico A, Biticchi R, Masetti E, Bonelli L, Heouaine A, **Groden J**, Robertson, Risio M, Caprilli R, Bruzzi P, White R, Aste H, Varesco L, Ferrara G. Association between APC mutations and a villous component in colorectal adenomas. Can Res, 1994, 54: 3553-3556.

Bhattacharyya NP, Skandalis A, Ganesh A, **Groden J**, Meuth M. Mutator phenotypes in human colorectal carcinoma cell lines. Proc Natl Acad Sci USA, 1994; 91: 6319-6323.

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Heinen CD, Richardson D, White R, **Groden J**. Microsatellite instability in colorectal adenocarcinoma cell lines that have full-length APC protein. Can Res 1995; 55: 4797-4799.

Ellis NA*, **Groden J***, Ye T-Z, Straughen J, Lennon DJ, Ciocci S, Proytcheva M, Alhadeff B, German J. Isolation of the Bloom's syndrome gene BLM identifies it as homologous to the recQ helicase family. Cell 1995, 83: 655-666. (*co-first authors)

Kutchera W, Jones DA, Matsunami N, **Groden J**, McIntyre TM, Zimmerman GA, White RL, Prescott SM. The transcription of prostaglandin H synthase 2 is expressed abnormally in human colon cancer: evidence for a transcriptional effect. Proc Natl Acad Sci USA, 1996, 93: 4816-4820.

Straughen J, Ciocci S, Ye T-Z, Lennon D, Alhadeff B, Proytcheva M, Goodfellow P, German J, Ellis NA, **Groden J.** Physical mapping of the Blooms syndrome region by the identification of YAC and P1 clones from human chromosome 15 band q26.1. Genomics, 1996; 35: 118-128.

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Steigerwald K, Santoro IM, Yeun T, Gismondi V, Badiali M, Giangaspero F, Balko G, Varesco L, Ratner N, **Groden J**. Distinct isoforms of *APC* are highly expressed in neurons but are not commonly mutated in neuroepithelial tumors. J Med Genet 2001; 38: 257-262.

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Genter MB, Goss KH, **Groden J**. Strain-specific effects of alaachlor on murine olfactory mucosal responses. Toxicologic Pathology 2004, 32: 719-725.

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Steigerwald K, Behbehani GK, Barton MC, **Groden J**. The APC tumor suppressor promotes transcription-independent apoptosis in vitro. Mol Can Res 2005, 3:78-89.

Slupianek A, Gurdek E, Koptyra M, Nowicki MO, Siddiqui KM, **Groden J**, Skorski T. BCR/ABL stimulates BLM helicase to modulate responses to genotoxic stress. Oncogene 2005, 24: 391-22.

Machwe A, Xiao L, **Groden J**, Matson SW, Orren DK. RecQ family members combine strand pairing and unwinding activities to catalyze strand exchange. J Biol Chem 2005. 280:23397-407.

Lillard-Wetherell K, Combs KA, **Groden J**. The BLM helicase complements disrupted type II telomere lengthening in telomerase-negative sgs1 yeast. Can Res 2005, 65: 5520-2.

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Machwe A, Xiao L, **Groden J**, Orren DK. The Werner and Bloom syndrome proteins catalyze regression of a model replication fork. Biochemistry 2006, 45:13939-46.

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apoptosis are controlled by the intestinal tumor suppressor APC. Curr Colorectal Cancer Rep. 2011, 7(2):145-151. PMID: 23308069

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Invited Chapters and Reviews

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Invited Seminars

"The Identification and Characterization of the Gene for Familial Adenomatous Polyposis", 10/21/91, The Alberta Cancer Board, University of Alberta, Edmonton, Alberta

"The Identification and Characterization of the Gene for Familial Adenomatous Polyposis", 10/31/91, The Lesley F. Kimball Research Institute, The New York Blood Center, New York, NY

"Inherited Cancer Genes", 2/2/92, Keystone Symposia Meetings, Negative Growth Control, Keystone, CO

"Inherited Cancer Genes", 4/24/92, Fourth Annual Symposium on Structural Biology, Santa Fe, NM

"Inherited Predisposition to Colon Cancer: Isolation and Characterization of the Human Adenomatous Polyposis Coli Gene", 4/29/92, University of Wisconsin Comprehensive Cancer Center, Madison, WI

"Inherited Predisposition to Colon Cancer: Isolation and Characterization of the Human Adenomatous Polyposis Coli Gene", 5/6/92, University of Cincinnati Medical Center, Cincinnati, OH

“Inherited Cancer: Neurofibromatosis Type I and Familial Polyposis”, 5/22/92, American Association for Cancer Research, San Diego, CA

“Inherited Predisposition to Colon Cancer: Isolation and Characterization of the Human Adenomatous Polyposis Coli Gene”, 5/27/92, Special Rounds, The Cross Cancer Institute, Edmonton, Alberta

“Inherited Predisposition to Colon Cancer: Isolation and Characterization of the Human Adenomatous Polyposis Coli Gene”, 6/22/92, Department of Pathology, The University of Texas at San Antonio, San Antonio, TX

“Genetic Predisposition to Mutation”, 9/9/92, Genomics Technology and Mutation Analysis, Santa Fe, NM

“Inherited Predisposition to Colon Cancer: Beginning to Characterize the Structure and Function of the Gene for Familial Adenomatous Polyposis Coli”, 9/21/93, The Whitehead Institute, M.I.T., Cambridge, MA

“The Genetics of Colon Cancer”, 9/22/93, 1992 Views of Cancer Research, General Motors Cancer Research Foundation and Harvard School of Public Health, Boston, MA

“The Relationship between APC Germline Mutations and the Polyposis Phenotype: Addressing APC Function”, 2/22/93, The Banbury Center, Cold Spring Harbor, NY

“Familial Colon Cancer: The Form and Function of the APC Gene”, 4/17/93, Genetically Targeted Research and Therapeutics: Antisense and Gene Therapy, Keystone, CO

“The APC Gene: Form and Function of a Putative Tumor Suppressor”, 6/18/93, Canji Inc., La Jolla, CAß

“The APC Gene: Beginning to Address Form and Function”, 11/11/93, Bristol Meyer Squibb, Princeton, NJ

“The APC Gene: Beginning to Address Form and Function of a Human Tumor Suppressor”, 11/30/93, The Cleveland Clinic, Cleveland, OH

“The APC Gene: Beginning to Address Form and Function of a Human Tumor Suppressor”, 1/12/94, Children’s Hospital Research Foundation, Cincinnati, OH

“APC Gene: Mutations and Mechanisms”, 5/16/94, American Gastroenterological Association Annual Meeting, New Orleans, LA

“The Impact of the Human Genome Project on Health Care”, 7/27/94, Franciscan Health Care System, St. Francis-St. George Hospital, Cincinnati, OH

“Genetic Mechanisms of Gastrointestinal Tumorigenesis”, 9/20/94, The Fifth Annual Schweppe Colloquium on Tumor Metastasis, Northwestern University, Chicago, IL

“The Biology of APC, a Human Tumor Suppressor”, 5/12/95, The University of Toledo, Toledo, OH

"The Identification of Disease Genes that Predispose to Cancer", 11/9/95, Harold G. Hewitt Symposium, The University of Connecticut School of Pharmacy, Storrs, CT

"The Genetics of Cancer and the Genes Involved in Colon Cancer and Bloom's Syndrome", 11/10/95, Barrett Cancer Center Conference on Molecular Medicine and the Treatment of Cancer, University of Cincinnati, Cincinnati, OH

"Crossing-over the Distance: the Positional Cloning of the Bloom's Syndrome Gene", 1/17/96, Children’s Hospital Research Foundation, Cincinnati, OH

"Crossing-over the Distance: the Positional Cloning of the Bloom's Syndrome Gene", 1/19/96, Sequana Therapeutics Inc., La Jolla, CA

"Form and Function: Alternative Splicing of the *APC* Gene", 3/30/96, GI Cancers: Biology and Genetics, American Gastroenterological Association Annual Meeting, Reston, VA

"A New Twist for Bloom's Syndrome", 4/5/96, Huntsman Cancer Institute, The University of Utah, Salt Lake City, UT

"The Genetics and Biochemistry of Bloom's Syndrome", 4/11/96, Department of Biochemistry, University of Alberta, Edmonton, Alberta

"A New Twist in Bloom's Syndrome", 5/3/96, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA

“The Molecular Genetics of Genomic Instability”, 10/7/96, Genetics of Cancer, The Ben May Institute for Cancer Research, University of Chicago, Chicago, IL

“New Twists in Bloom’s Syndrome: Role of the BLM Gene Product in DNA Repair”, 2/6/97, Gordon Research Conference on Mammalian DNA Repair, Ventura, CA

“New Twists in Inherited Predisposition to Colon Cancer: the APC and BLM Genes”, 3/26/97, Fred Hutchinson Cancer Research Center, Seattle, WA

“Genetics of Familial Cancers”, 8/14/97, 12th Annual Excalibur Round Table, American Cancer Society, Cleveland, OH

“The Genetics and Biochemistry of Bloom’s Syndrome”, 9/25-9/30/97, Gaslini-IARC Course in Cancer Genetics, Sestri Levante, Italy

“Moving from Genetics to Biochemistry: The Story of APC”, 10/1/97, Istituto Nazionale per la Ricerca sul Cancro, Genova, Italy

“Form and Function of the APC Tumor Suppressor”, 10/3/97, Instituto Scientifico H San Raffaele, Milan, Italy

“Genomic Instability and Inherited Predisposition to Cancer”, 2/3/98, Institute of Biotechnology and the Center for Molecular Medicine, The University of Texas Health Science Center at San Antonio, San Antonio, TX

“The Identification of Disease Genes that Predispose to Cancer”, 4/10/98, Middlebury College, Middlebury, VT

“New Twists in Inherited Predisposition to Colon Cancer: The APC and BLM Genes”, 9/14/98, University of Minnesota Cancer Center, Minneapolis, MN

“The State of Progress in the Human Genome Project”, Science and Technology Symposium, Commitment to Innovation and Ethics-Women in Science, 9/18/98, The Convent of the Sacred Heart, Greenwich, CT

“Twist and Shout: Human Helicases and Somatic Recombination” 11/6/98, University of Massachusetts Medical Center, Worcester, MA

“Twist and Shout: Human Helicases and Somatic Recombination” 12/14/98, Louisiana State University, Shreveport, LA

"Control of Cell Growth by the APC Tumor Suppressor" 1/7/99, University of Massachusetts Medical Center, Worcester, MA

"Control of Cell Growth by the APC Tumor Suppressor" 2/16/99, Department of Genetics, University of Minnesota, St Paul, MN

"APC Functions in Growth Regulation and Differentiation", 4/2/99, Molecular Mechanisms for Gastrointestinal Cancer, Keystone Symposia, Keystone, CO

"Inherited Predisposition to Cancer and its Role in Developing an Understanding of Cell Growth", 4/30/99, HHMI Science Colloquium, Canisius College, Buffalo, NY

"APC Gene Function", 5/18/99, Digestive Disease Week, American Gastroenterological Association Annual Meeting, Orlando, FL

"FAP Mutations in Colorectal Cancer", 9/14/99, Molecular Pathogenesis of Colorectal Cancer, University of Minnesota Cancer Research Center, Minneapolis, MN

"Functions of the APC Tumor Suppressor", 12/3/99, Division of GI Oncology, Vanderbilt University, Nashville, TN

"Functions of the APC Tumor Suppressor", 1/27/00, Department of Cell Biology, Southwestern Medical Center, Dallas, TX

"Functions of the APC Tumor Suppressor", 2/15/00, Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, TX

"Stops and Starts in APC: Attenuation of the Polyposis Phenotype", 10/3/00, Fourth Annual Meeting, Collaborative Meeting of the Americas on Inherited Colorectal Cancer, Philadelphia, PA

"Stops and Starts in APC: Polyposis Phenotypes in the Human", 10/26/00, Modeling Human Colo-Rectal Cancer in Mice, 2000, The Jackson Laboratory, Bar Harbor, ME

"New Twists for the BLM Helicase in Colon Tumorigenesis", 10/27/00, Modeling Human Colo-Rectal Cancer in Mice, 2000, The Jackson Laboratory, Bar Harbor, ME

"New Twists for the BLM Helicase", 11/1/00, National Institute of Environmental Health Sciences, Research Triangle Park, NC

"Overview of Genetics for the Clinician", 12/3/00, Epilepsy Genetics, American Epilepsy Society Annual Course, Los Angeles, CA

"New Twists for the BLM Helicase in Colon Tumorigenesis", 12/13/00, Center for Molecular Medicine, University of Connecticut Health Center, Farmington, CT

"Stops and Starts in APC: Polyposis Phenotypes in the Human", 2/16/01, Grand Rounds, James Comprehensive Cancer Center, The Ohio State University, Columbus, OH

“Mouse Models of GI Cancers”, 7/15/01, NCI-SPORE Investigator’s Workshop, Washington D.C.

"New Twists for the BLM Helicase in Intestinal Tumorigenesis", 7/30/01, “Cancer: Mechanisms and Models” Gordon Conference, Newport, RI

“APC Function: Lessons from Genetics and Biochemistry”, 9/13/01, AACR International Conference on Molecular Mechanisms of Gastrointestinal Cancer Development and Its Clinical Applications, Seoul, Korea

“Molecular Genetics of Hereditary Colorectal Cancer”, 10/14/01, Invited Session, Hereditary Susceptibility to Colorectal Cancer, ASHG Annual Meeting 2001, San Diego, CA

"New Twists for the BLM Helicase in Maintaining Chromosome Stability", 11/16/01, Duke University, Durham, NC

“Functions of the APC Tumor Suppressor: Lessons from Genetics and Biochemistry”, 12/11/01, Department of Molecular Oncology, Montefiore Medical Center/Albert Einstein College of Medicine, New York, NY

"New Twists for the BLM Helicase in Cancer Predisposition and the Maintenance of Chromosome Stability", 1/7/02, Department of Genetics, Case Western Reserve University, Cleveland, OH

“New Twists for the BLM Helicase in Maintaining Genomic Stability”, 1/29/02, John H. Blaffer Seminar Series, Department of Molecular Genetics and the Department of Biochemistry and Molecular Biology, M.D. Anderson Cancer Center, Houston, TX

“Cancer and DNA Repair”, 2/20/02, Siteman Cancer Center, Washington University School of Medicine, St. Louis, MO (Cancelled)

“New Twists for the BLM Helicase in Chromosome Stability”, 2/20/02, Division of Oncology, Washington University School of Medicine, St. Louis, MO (Cancelled)

“APC/Beta-Catenin Interaction and Downstream Targets”, 3/9/02, AACR Special Conference on Colon Cancer: Genetics to Prevention”, Philadelphia, PA

“Mouse Models for Studying Cancer Predisposition”, 3/15/02, DNA Helicases, Cancer and Aging, Keystone Symposia, Tahoe City, CA

“New Twists for the BLM Helicase in Maintaining Genomic Stability”, 4/1/02, Department of Pharmacology, University of Colorado School of Medicine, Denver, CO

“Chromosome Instability and Cancer”, The 2002 William Potter Lecture, 4/9/02, Thomas Jefferson University and Jefferson Medical College, Philadelphia, PA

"Chromosome Instability and Cancer", 4/25/02, Department of Zoology, Miami University, Oxford, OH

“New Twists for the BLM Helicase in Maintaining Genomic Stability”, 4/26/02, Department of Biochemistry, Wright State University, Dayton, OH

“Genetic and Biochemical Approaches to Understanding Gastrointestinal Cancer”, 5/1/02, Department of Internal Medicine, University of Michigan Medical Center, Ann Arbor, MI

"Turnover to Tumors: A Drama of Cell Growth, Death and the Factors that Control Them", 5/18/02, 2002 AGA Spring Postgraduate Course, AGA Annual Meeting, San Francisco, CA

"The Biology and Genetics of *APC* Mutations", 5/21/02, 2002 AGA Research Symposium "Colon Cancer: APC-ß-Catenin Pathway"; 2002 AGA Annual Meeting, San Francisco, CA

"New Twists for the BLM Helicase in Maintaining Genomic Stability", 6/11/02, National Institutes of Health, National Cancer Institute, Bethesda, MD

"Heterozygosity for *Blm* accelerates tumor formation *in vivo*"; Cooperative Family Registry for Colon Cancer Studies Steering Committee Meeting; Los Angeles, CA, 7/13/02

"New Twists for the BLM Helicase in Cancer Predisposition and Genomic Stability", 10/3/02, UCSF Comprehensive Cancer Center, UCSF, San Francisco, CA

"New Twists for the BLM Helicase in Cancer Predisposition and Genomic Stability", 1/22/03, Signal Transduction and Cell Proliferation Program, Vanderbilt-Ingram Cancer Center, Vanderbilt University Medical Center, Nashville, TN

"New Twists for the BLM Helicase in Cancer Predisposition and Genomic Stability", 2/14/03, St. Jude Children's Research Hospital, Memphis, TN

"The BLM Helicase and Genomic Stability: The Long Unwinding Road", 2/27/03, Department of Molecular Genetics and Microbiology, Duke University Medical Center, Durham, NC

"Inherited Susceptibility to Colon Cancer", 5/14/03, Impact of the Environment on Colon Cancer, Environmental Mutagen Society, Miami Beach, FL

"The BLM Helicase and Genomic Stability: The Long Unwinding Road", 6/27/03, Divisions of Human Biology and Public Health, Fred Hutchinson Cancer Center, Seattle, WA

"Inherited Chromosomal Instability and Cancer Susceptibility: Functions of the BLM Helicase", 8/29/03, National Human Genome Research Institute, NIH, Bethesda, MD

"Genotype-Phenotype Correlations of Mutations in the APC Tumor Suppressor", 9/4/03, Fourth Joint Meeting Leeds Castle Polyposis Group and International Collaborative Group on Hereditary Non-Polyposis Cancer, Cleveland, OH

"Inherited Chromosomal Instability and Cancer Susceptibility: Functions of the BLM Helicase", 9/12/03, Molecular Biology Retreat, Keynote Speaker, Wright State University, Dayton, OH

"Inherited Chromosomal Instability and Cancer Susceptibility: Functions of the BLM Helicase", 1/13/04, The Alvin J. Siteman Cancer Center, Washington University School of Medicine, St. Louis, MO

"Functions of the APC Tumor Suppressor in Growth Control", 5/16/04, AGA Annual Meeting, New Orleans, LA

"Conversations Between Mouse Models of Cancer and Human Diseases", 10/1/04, Colon Cancer 2004, The Jackson Laboratory, Bar Harbor, ME

"Mouse Modeling of Inherited Susceptibility to Colon Cancer", 10/7/04, Vermont Cancer Center Regional Cancer Research Symposium, Burlington, VT

"Mouse Modeling of Inherited Susceptibility to Intestinal Cancer", 11/14/04, Department of Genetics, Case Western Reserve University, Cleveland, OH

"Genetic and Biochemical Approaches to Understanding Gastrointestinal Cancer", 02/16/05, Division of Gastroenterology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

"Mouse Modeling of Bloom's Syndrome", 04/08/05, Bloom Syndrome Workshop: Molecular Basis of Genomic Instability, Stone House, NIH, Bethesda, MD

"Inherited Chromosomal Instability and Cancer Susceptibility: Functions of the BLM Helicase", 4/25/05, Department of Biochemistry, University of Kentucky, Lexington, KY

"The Role of Genomic Instability in Tumor Formation", 5/23/05, Signaling in Cancer Symposium, Case Western Reserve University School of Medicine, Cleveland, OH

"Mouse Models of Gastrointestinal Cancer", 9/14/05, Department of Medicine, University of Illinois at Chicago, Chicago, IL

"Genetic and Genomic Approaches to Understanding Colon Cancer", 10/19/05, Keynote Address, AACR-Sponsored Conference "Colorectal Cancer - Molecular Pathways and Therapies, Dana Point, CA

"Inflammation and Mouse Models of Colon Cancer", 2/8/06, Keynote Address, Chronic Inflammation and Colon Cancer Workshop, NIH, Bethesda, MD

"Chromosome Stability and BLM Helicase Functions", 5/8/06, RecQ Helicases and Other Helicases in Telomere Maintenance and Related Pathways (NIH-sponsored meeting), Lansdowne, VA

"Chromosome Stability and BLM Helicase Functions", 6/27/06; Mouse Models of Aging and Cancer, Fred Hutchinson Cancer Research Center, Seattle, WA

"RecQ-like Helicases, Chromosome Stability and Tumor Susceptibility", 10/28/06; AACR-Sponsored Conference "Mouse Models of Cancer", Cambridge, MA

"Chromosome Stability and BLM Helicase Functions", 11/14/06; Case Western Reserve School of Medicine, Cleveland, OH

"Understanding Gastrointestinal Cancer Through Mouse and Human Studies", 3/16/07; Grand Rounds, Department of Internal Medicine, Memorial Sloan-Kettering Cancer Center, New York, NY

"Mouse Models of Gastrointestinal Cancer", 5/11/07; NCI Symposium: "From Molecular Mechanisms to Diagnosis and Treatment", NCI, NIH, Bethesda, MD

"The Long and Unwinding Road: Functions of the BLM Helicase in Genomic Stability", 8/9/07; Genome Research Institute, University of Cincinnati, Cincinnati, OH

"Tumor Suppressor Functions of APC", 8/13/07; FASEB Summer Conferences: "Gastrointestinal Tract XII: The Molecular & Integrative Basis for GI Development, Homeostasis, and Disease", Snowmass, CO

"The Long and Unwinding Road: Functions of the BLM Helicase in Genomic Stability", 9/13/07; Program in Genetics and Molecular Biology, Emory University, Atlanta, GA

"DNA Repair and Colon Cancer", 10/15/07; Keystone Symposia: "Frontiers in Gastrointestinal Cancer: Molecular Genetics, Inflammation, Early Detection and Therapy", Beijing, China

"The Long and Unwinding Road: Functions of the BLM Helicase in Genomic Stability", 11/12/07; Department of Biochemistry and Molecular Biology, Indiana University School of Medicine, Indianapolis, IN

"APC Function and Wnt Signaling in Gastrointestinal Cancer", 2/20/08; Keystone Symposia: "Wnt/beta-Catenin Signaling in Development and Disease", Keystone, CO

"Understanding Gastrointestinal Cancer through Mouse and Human Studies", 3/14/08; The New York Academy of Sciences: "Targeted Therapies for Gastrointestinal Cancer", New York, NY

"Mouse Models of Gastrointestinal Cancer", 4/15/08; Symposium: "Mice as Models for Discovery of Critical Tumor Events", AACR Annual Meeting, San Diego, CA

"Chromosome Stability and the BLM Helicase", 4/9/08; Department of Genetics, Cell Biology and Anatomy, University of Nebraska Medical Center, Omaha, NE

"Tissue-specific Effects of Blm Haploinsufficiency on Murine Tumor Initiation, Progression and Regression", 5/27/08; Molecular and Clinical Mechanisms in Bloom's Syndrome and Related Disorders, University of Chicago, Chicago, Illinois

"Bloom's Syndrome Discussion Forum", 5/1/08; Genetics, Genomics and Evolution/Genetic Disorder Project, Harvard University, Cambridge, MA

"Mechanisms of Colorectal Tumor Formation", 10/14/08, Department of Surgery, University of Chicago, IL

"The BLM Helicase, Chromosome Stability and Cancer Susceptibility", 10/29/08, The Moffitt Cancer Center, Tampa, FL

"Genomic Stability and Cancer", 12/2/08, Cancer and Cell Biology Retreat, Keynote Speaker, University of Cincinnati, Cincinnati, OH

"The Role of Chromosomal Instability in Cancer Susceptibility", 12/17/08, Huntsman Cancer Center, University of Utah, Salt Lake City, UT

"Gastrointestinal Tumor Formation in the Mouse and Human", 1/13/09, AACR-Sponsored Conference "Mouse Models of Cancer", San Francisco, CA

"Mechanisms of Tumor Suppression in the Intestinal Epithelium", 1/20/09, Digestive Disease Center, Cincinnati Children's Medical Center, Cincinnati, OH

"The BLM Helicase, Chromosome Stability and Cancer Susceptibility", 2/4/09, Center for Molecular Medicine, The University of Connecticut Health Center, Farmington, CT

"The BLM Helicase and Mechanisms to Maintain Chromosome Stability", 4/7/09, Department of Biochemistry, State University of New York at Buffalo, Buffalo, NY

"The Role of Chromosomal Instability in Cancer Susceptibility", 4/28/09, Department of Cellular and Structural Biology, University of Texas Health Science Center at San Antonio, San Antonio, TX

"The Role of Chromosomal Instability in Cancer Susceptibility", 6/10/09, Massachusetts General Hospital Cancer Center and Department of Pathology. Harvard University, Boston, MA

"Unwinding Mechanisms of Chromosome Stability and Telomere Maintenance", 11/4/09, Molecular Oncology Group, Eli Lilly Inc., Indianapolis, IN

"Unwinding Mechanisms of Chromosome Stability and Telomere Maintenance", 11/18/09, NYU Langone Medical Center, New York, NY

"Unwinding Mechanisms of Chromosome Stability and Telomere Maintenance", 3/10/10, Dartmouth School of Medicine, Hanover, NH

"Unwinding the Mechanisms of Chromosome Stability and Telomere Maintenance", 8/26/10, Nationwide Children's Hospital, Columbus, OH

"Unwinding the Mechanisms of Chromosome Stability and Telomere Maintenance", 11/16/10, Blaffner Lecture, M.D. Anderson Comprehensive Cancer Center, Houston, TX

"Unwinding the Mechanisms of Chromosome Stability and Telomere Maintenance", 2/2/11, University of Chicago, Chicago, IL

"Unwinding Predisposition to Cancer: The Role of the BLM Helicase in Genomic Stability and Cell Immortality", 5/19/11, Karmanos Cancer Institute, Detroit, MI

"The Role of the BLM Helicase in Genomic Stability and Cell Immortality", 11/29/11, Department of Molecular Genetics, Biochemistry and Microbiology, University of Cincinnati College of Medicine, Cincinnati, OH

"Unwinding the Mechanisms of Chromosome Stability and Telomere Maintenance", 2/2/14, Lombardi Cancer Center, Georgetown University, Washington DC

"Pathways to Your Own Lab: A Workshop for Postdoctoral Fellows", Graduate and Postdoctoral Professional Development Program, ASBMB Annual Meeting, 4/26/14

"Mouse Models of Gastrointestinal Cancer", 6/15/14, Mouse Models of Human Cancer Consortium Meeting, NCI, Gaithersburg, MD

"Unwinding the Role of DNA Repair Proteins in Tumor Formation", 11/4/14, Kyoto University, Kyoto, Japan

"Inherited Susceptibility in Cancer: Lessons in Cancer Biology", 11/7/14, IRAGO Conference, Tscuba City, Japan

"Unwinding the Role of DNA Repair Proteins in Tumor Formation", 12/4/14, CCNY-MSKCC Joint Training Program, City College of New York, New York, NY

"Studies of the BLM Helicase and Lessons in DNA Repair", 9/23/15, Laboratory of Genomic Integrity, NCI, NIH, Bethesda, MD

"Nucleolar Functions of the BLM Helicase", RecQ Helicase Meeting, 5/30/16, Fred Hutchinson Cancer Center, Seattle, WA

"Inherited Genomic Instability: Mechanisms and Models", Annual Retreat for Laboratory of Cancer Biology and Genetics and Women's Cancer Branch, 5/4/17, National Cancer institute, NIH, Shady Grove, MD
"Inherited Genomic Instability: Mechanisms and Models to Therapeutics", 5/17/17, Nationwide Children's Hospital and Research Institute, Columbus, OH
"Altered Nucleolar Trafficking of the Blm Helicase in the Mouse Reduces Size, Increases DNA Damage and Tumor Susceptibility, and Facilitates Premature Aging*, 9/26/17, Advances in Modeling Cancer in Mice: Technology, Biology, and Beyond, AACR Scientific Meeting, Orlando, FL
"Nucleolar Functions of the BLM Helicase", 2/17/18, RECQ 2018: International Meeting on Recq Helicases and Related Diseases, Kisaruzu, Japan
"Women In Science", Invited Lectureship, 5/31/18, University of Connecticut School of Medicine, Farmington, CT

Current Grant Support
CTSA-Supported Center for Clinical and Translational Science (Co-PI: Groden; 15% effort), KL2, TL1 and U01 Educational Components (PI:Groden), 4/1/13-3/31/18.
CTSA-Associated N-Lighten Educational Assessment Informatics Framework (Co-PI: Groden; 5% effort)
NIGMS T32 Systems and Integrative Biology Training Grant (PI:Groden), 7/1/13-6/30/18

Pending Proposals and Grant Support
NCI/NIH R01 CA228921 Nucleolar Functions of the BLM Helicase in Genomic Stability (PI:Groden; 15% effort), 4/1/18-3/31/23
NIGMS T32 Systems and Integrative Biology Training Grant (PI:Groden), 7/1/18-6/30/23
CTSA-Supported Center for Clinical and Translational Science (Co-PI: Groden; 10% effort), TL1 (PI:Groden), 4/1/18-3/31/23

Previous Grant Support
American Cancer Society, Institutional Support (PI: Stambrook), 7/1/93-6/30/94
Cancer Challenge Award, University of Cincinnati, 7/1/93-6/30/94
University Research Challenge, 1/1/94-12/31/94
American Lung Association (PI: Groden), 7/1/94-6/30/95
The Elsa U. Pardee Foundation (PI: Groden), 10/1/94-9/30/96
Lucille P. Markey Charitable Trust, Center for Pediatric Molecular Genetics (PI: Grabowski), 7/1/94-6/30/97
The Council for Tobacco Research-U.S.A., Inc. (PI: Groden), 7/1/94-6/30/97
The American Gastroenterological Association (PI: Groden), 7/1/94-6/30/97
Ohio State Regents Award, University of Cincinnati (Co-PI: Groden), 7/1/97-6/30/98
Ohio Cancer Research Associates (PI: Groden), 7/1/97-6/30/99
UC/Adele Noyes Thomson Fund for Women's Health (PI: Groden), "Characterization of APC Function in the Mouse Mammary Gland", 1/1/00-12/31/00
Mary Kay Ash Charitable Foundation (PI: Groden; 5%), "Characterization of APC Function in Mouse Mammary Gland", 7/1/00-6/30/02
State of Ohio Biomedical Research and Technology Transfer Partnership Award (PI: Nadeau; Co-PI: Groden), "Genetics of Gastrointestinal Cancer", 5/1/03-4/30/07 (Annual Direct Costs $5,478,251)
NIH/NCI Award U01 CA-98013 (PI: Groden), "Mouse Models of Gastrointestinal Cancer" for NCI Mouse Models of Human Cancer Consortium, 4/1/99-8/1/09
NIH/NCI R01-CA-63507 (PI: Groden), " Characterization of Tumor Suppression by the APC Gene", 5/1/94-2/28/12.

The Gladstein Foundation for Bloom's Syndrome Research (Co-PIs: Groden and Fishel), "Proposal for the Establishment of the Milo Gladstein Laboratories", 3/1/06-12/31/12
The OSU HHMI Med Into Grad Scholars Program (PI: Groden), 4/1/10-3/31/14.
NCI T32 Cancer Genetics Training Grant (PI:de la Chapelle; Co-PIs: Leone, Groden), 7/1/09-6/30/14
NIH/NCI-R01 CA-117898 (PI: Groden), "Functions of the BLM Helicase in Telomere Maintenance", 4/1/08-3/31/15.
HHMI Med Into Grad Dissemination Award (PI: Groden), 10/1/13-9/30/15

Patents (Issued and Licensed)
"Inherited and Somatic Mutations of the APC Gene in Colorectal Cancer in Humans"
"A Rapid Screening Method to Detect Nonsense and Frameshift Mutations: Identification of Disease-Causing Alleles"
"Methods for Diagnosis and Treatment of Bloom's Syndrome"

Industry Affiliations
Bexion Therapeutics, Inc. Scientific Advisory Board, 2007-

Departmental Service
Department of Molecular Genetics, University of Cincinnati, Graduate Education Committee, 1993-2000, 2003-2005
Department of Molecular Genetics, University of Cincinnati, Seminar Series Co-Director, 1997-2000
Department of Molecular Genetics, University of Cincinnati, Computer Committee, 1997-2005
Department of Cancer Biology and Genetics (Previously Molecular Virology, Immunology and Medical Genetics), The Ohio State University College of Medicine, Vice Chair of Academic Affairs, 2005-
Department of Cancer Biology and Genetics (Previously Molecular Virology, Immunology and Medical Genetics), The Ohio State University College of Medicine, Departmental Promotion and Tenure Committee Member, 2006-
Department of Cancer Biology and Genetics (Previously Molecular Virology, Immunology and Medical Genetics), Departmental Promotion and Tenure Committee Chair, 2010-

College Service
Physician Scientist Training Program Promotion Board, University of Cincinnati, 1996-2001
Internal Advisory Board, Center for Environmental Genetics, University of Cincinnati, 1997-2005
Biotechnology and Functional Genomics Advisory Committee, University of Cincinnati, 1998-99
Chair Search Committee, Obstetrics and Gynecology, University of Cincinnati, 1999
HHMI EXCEL Program in High School Science Education, University of Cincinnati, 2000-200
Millennium Advisory Committee for Cancer Research, University of Cincinnati, 2001
Decanal Search Committee, University of Cincinnati, 2001-2002
ACS Institutional Review Committee, University of Cincinnati, 2002
Executive Steering Committee, University of Cincinnati Cancer Center, 2002-2005
Internal Advisory Board, University of Cincinnati Cancer Center, 2002-2005
Chair, Advisory Committee to the Dean on Core Facilities, University of Cincinnati, 2002-2005
Vice Dean for Research, University of Cincinnati, 2003-2005
Program Director, Dean's Discovery Fund, University of Cincinnati, 2003-2005
Chair, Research Cabinet, University of Cincinnati, 2004
Scientific Advisory Committee, Computational Medicine Center, CCHMC, 2004-2006

IBGP/BSGP, Prospective Student Interviewer, The Ohio State University College of Medicine 2006-2011
Associate Dean for Basic Research, The Ohio State University, 2007-2011
Department of Pharmacology Chair Search Committee, The Ohio State University College of Medicine, 2007-2009
Clinical Genetics Division Director Search Committee, The Ohio State University College of Medicine, 2006-2008 and 2010-2011
Promotion and Tenure Policy Review Committee, The Ohio State University College of Medicine, 2007
Director of Mouse Modeling Core Facility, Search Committee for the Director, The Ohio State University College of Medicine, 2008-2010
Department of Biomedical Informatics Chair Search Committee, The Ohio State University College of Medicine, 2008-2009
Personalized Healthcare Strategic Planning Committee, The Ohio State University College of Medicine, 2009-2013
Medical Scientist Program Student Interviewer, The Ohio State University College of Medicine, 2009, 2010, 2012, 2013, 2014
Graduate Student Fee Task Force, The Ohio State University College of Medicine, 2009-10
Appointment, Promotion and Tenure Guideline Committee, The Ohio State University College of Medicine, 2009-10
Pelotonia Fellowship Program, Internal Advisory Committee and Scientific Reviewer, 2009-2013
Solid Tumor Biology Program, Member, 2010-
Office of Postdoctoral Research, Internal Advisory Committee, 2011-
OSU CCC 2012 Annual Meeting Planning Committee, 2011-2012
Office of Education Vice Dean Search Committee, OSU College of Medicine, 2011-2012
Chair Search Committee, Pathology, The Ohio State University College of Medicine, 2012
Associate Dean for Graduate Education, The Ohio State University, 2011-2013
Co-Director, Biomedical Sciences Graduate Program, The Ohio State University, 2011-
COM Vice Dean for Research, The Ohio State University, 2013-2017

University Service

University Research Council, Internal Grant Reviews, University of Cincinnati, 1994-95
University Distinguished Dissertation Competition Judge, University of Cincinnati, 1997, 2000
University Research Council, Internal Grant Reviews, Life Sciences Committee Member, University of Cincinnati, 1997-98
University DNA Core Facility, Faculty Director, University of Cincinnati, 1995-2004
Millennium Planning Committee, University of Cincinnati, 2000-2001
University Research Council, Internal Grant Reviews, University of Cincinnati, 2003-4
Search Committee for Veterinary Director of Laboratory Medicine, The Ohio State University, 2007
University Laboratory Animal Medicine PI Advisory Committee, The Ohio State University, 2008-
Limited Submission Task Force, The Ohio State University, 2009-2011
OSU Graduate School Advisory Board, 2011-2016
CCC Annual Scientific Meeting Planning Committee, 2012, 2013
OSU Shared Services Oversight Committees, Nucleic Acid and Genetically Engineered Mouse Models, 2012-2013, 2016-
IAB/Executive Committee, OSU Center for Clinical and Translational Sciences, 2012-
IAB, T32 Award for Women in Cardiovascular Research, 2017-
Director, OSUCCC Pelotonia Fellowship Program, 2017-

National Service

NIH Reviewer (ad hoc) for Pathology B Study Section, Site Visit Committee; 6/95
NIH Reviewer for NCI Conference Grant (R13); 3/96
NIH Reviewer for NCI Small Research Grants in Cancer Research and Epidemiology (R03); 8/96
NIH Reviewer for NCI Conference Grant (R13); 12/96
NIH Reviewer for NRSA Grants; 3/98; 7/98; 11/98; 3/99; 7/99; 11/99; 4/00; 7/00; 3/01; 7/02
Department of Defense-Army Breast Cancer Review Panel, Molecular Biology V, 9/98
Department of Defense-Army Ovarian Cancer Review Panel, Molecular Biology II, 2/99, 11/00, 6/03, 4/04
Department of Defense-Army Breast Cancer Review Panel, Molecular Genetics III, 8/99, 8/00, 8/02
Department of Defense-Army Breast Cancer Review Panel Chair, Molecular Genetics III, 8/03
Mouse Models of Human Cancer Consortium, Committee Chair for Genetic Modifier Committee, 12/99-7/01
Colorectal Cancer Progress Review Group, NCI/NIH, Biology Committee Co-Chair, 1/00
Michigan Life Sciences Corridor Peer Review for Washington Advisory Group, 10/00
Jackson Lab Induced Mutant Resource Cancer Advisory Committee, 1/01-2012
HHMI Medical Student Research Review Panel, 2/01-5/03
NIH Reviewer (ad hoc) for Metabolic Pathology Study Section; 10/01, 10/02
NIH Reviewer (ad hoc) for Mammalian Genetics Study Section; 11/01, 2/02
NCI Special Emphasis Panel Member for Cooperative Family Registry for Colorectal Cancer Studies; 3/02
AACR 93rd Annual Meeting, Tumor Suppressor Session Co-Chair, 4/7/02, San Francisco, CA
Midwest DNA Repair Meeting 2002, Co-Chair, 5/4/02-5/5/02, Cincinnati, OH
External Advisor, NCI-P01 “The Role of the *FHIT* Locus in Environmental Carcinogenesis” (PI: Carlo Croce) Kimmel Cancer Institute, Thomas Jefferson University, 2002-
NIH Reviewer (ad hoc) for Experimental Therapeutics Study Section, Committee Chair, 7/02
ASHG Annual Meeting, Dynamic Genome Session Co-Chair, 10/17/02, Baltimore, MD
NIH Reviewer/Site Visit Committee (by phone) for NCI PO1, 11/18/02
External Advisor, NIDA-P01 "Nicotine Prevention for Native American Children" (PI: Edward B. Clark) Department of Pediatrics, University of Utah
NIH Reviewer/Charter Member Cancer Genetics Study Section; 10/03-10/08
AACR 95th Annual Meeting Abstract Selection Committee, 2003
Department of Defense-Army Breast Cancer Review Panel for Concept Awards, 3/04, 3/06, 3/07, 3/09, 1/10
AACR 95th Annual Meeting, DNA Repair and Genomic Instability Session Co-Chair, Mouse Models of Cancer Session Co-Chair 4/17/04, Orlando, FL
Colon Cancer 2004, Organizing Committee, The Jackson Laboratory, Bar Harbor, ME
External Advisor, NCI-P01 "Barrett’s Esophagus" (PI: Brian Reed) Department of Human Biology, Fred Hutchinson Cancer Research Center, 2004
NIH Reviewer (Phone) on NCI ZRG1 ONC-L Review (Gene Regulation and Gastrointestinal Cancer), 10/21/04
ASHG Annual Meeting, Genomic Instability Session Co-Chair, 10/25/04, Toronto, ON
Department of Energy Biological Sciences Low Dose Radiation Grant Review Committee, 2004, 2006
Department of Defense-Army Breast Cancer Review Panel for Career Development Awards, 3/05. 9/05, 9/06
AACR 96th Annual Meeting, New Frontiers in Colon Cancer Research, Session Co-Chair, 4/17/05, Anaheim, CA

Department of Energy, Committee of Visitors, Biological Sciences Review Panel, 5/17/05-19/05
NIH Reviewer on Subcommittee C for Basic and Preclinical Review; NCI-C RPRB (Q2), 6/16/05
NIH Reviewer/Chair on ZRG1 ONC-L 02 M Review (Gene Regulation and Gastrointestinal Cancer), 7/22/05
NIH Reviewer on Subcommittee C for Basic and Preclinical Review; NCI-C RPRB (Q2), 8/16/05
NIH Reviewer (AdHoc) for DDK-C Panel, 10/28/05
AACR Grant Review Committee, Chair, 2006-2008
Department of Defense-Army Ovarian Cancer Review Panel for Concept Awards, 5/06
Reviewer for the Jeannik M. Littlefield-AACR Grants in Metastatic Colon Cancer Program, 2006, 2007
"AACR Mouse Models of Cancer" 2006 Meeting Co-Chair
NIH Reviewer and Chair, Cancer Genetics Study Section, 10/06-10/08
AACR 100th Annual Meeting Abstract Selection Committee, 2007
Komen Cure Grants Program Reviewer, 2007
Keystone Meeting Co-Organizer for "Wnt Signaling", 2008
AACR 100th Annual Meeting, Mouse Models of Cancer Session Co-Chair, 4/18/07, Los Angeles, CA
Co-Chair, AACR Grant Review Committee, 2007-2008
Co-Chair, NCI Mouse Models of Human Cancer Consortium, 2007-2009
Facilitator, CSR Open House, NIH, 6/29/07
Panel Member, 9/19/07, NCI New Grantee Workshop, Bethesda, MD
Integrated Systems Genetics: The Path Forward", Participant, 3.11-3.13.08, Newport Beach, CA
NYAS Meeting Co-Organizer, Colon Cancer Therapeutics, 3/13/08
Department of Defense-Breast Cancer Research Program Reviewer, 3/08, 1/09
NCI Special Emphasis Review Panel, "Tumor Stem Cells in Cancer Biology, Prevention, and Therapy", 2008
DOD Breast Cancer Research Program, 2008-2011
AACR Meeting Scientific Review Committee Member, "Molecular Diagnosis in Cancer Therapeutics Conference, 2008
NCI/NIH Cancer Center Institute Review Group (*AdHoc*), 2008
Lytmos Reviewer, State of Florida, 2009-2013
NIH Reviewer (*AdHoc*) for Tumor Progression and Metastasis Panel, 2009-2012
AACR Annual Meeting 2009 Program Committee, Co-Chair
AACR Annual Meeting 2009 Education Committee Co-Chair
"AACR Mouse Models of Cancer" 2009 Meeting Co-Chair
AACR Laboratory Research Awards Selection Committee Chair, 2009
AACR G.H.A. Clowes Memorial Award Selection Committee Chair, 2009
AACR Perzcoller Foundation-AACR International Award for Cancer Research Selection Committee, 2009
AACR 102th Annual Meeting, "How Do Mouse Models of Cancer Inform Clinical Trials?" Symposium Chair, 4/18/09, Denver, CO
NCI Laboratory Review Committee, NCI, NIH, 5/4-5/5/09, Bethesda, MD
Komen Breast Cancer Postdoctoral Fellowship Grant Reviewer, 2010-2017
AACR Education Committee, 4/1/10-4/1/15
AACR Colorectal Cancer: Biology to Therapy", 2010 Meeting Co-Chair
AACR Business Committee, 6/1/10-6/1/13
NIH, Center for Scientific Review, College of CSR Reviewers, 2010-2012

NIH Reviewer, Centers for Nanotechnology Review Group, 2/10
NIH Mail Reviewer, Bioengineering Sciences and Technology (BST) Integrated Review Group, 6/10
NIH Reviewer (*AdHoc*), Cancer Molecular Pathology Study Section, 2010
NIH Stage II Reviewer, Director's Opportunity in Five Themes of Basic Translational Oncology Committee, 6/10
DOD Ovarian Cancer Research Program Reviewer, 2010, 2012,
NIH Reviewer/Chair, Cancer Health Disparities and Diversity in Basic Cancer Research Study Section, 2010-2016
CALGB Scientific Advisory Committee in GI, 2010- 2015
NIH Reviewer, Mutant Mouse Regional Resources Center Special Emphasis Panel, 2011
NIH Reviewer/Chair EUREKA Review Committee, 2011
NIH Reviewer/Chair Barrett's Esophagus Translational Research Network Study Section, 2011
NIH Reviewer R13 Grants Review Committee, 2011
NIH Reviewer/Chair R15 Grants Review Committee, 2011
NCI Board of Scientific Counselors in the Basic Sciences, 2011-2016
NIH Reviewer, GI and Prostate SPORE Study Section, 2012
Komen Breast Career Cancer Catalyst Grant Reviewer, 2011-2012
NIH Reviewer/Chair, SEP, National Center for Advancing Translational Sciences, 2012
NIH/NCI Site Visitor and Reviewer, Laboratory of Cancer and Cell Biology, 5/12
Departmental Site Visitor and Reviewer, Department of Genetics, MD Anderson Cancer Center, 5/12
University of Buffalo, Roswell Park Graduate Education Division, PhD Program Review, 2012
NIH Reviewer/Chair, R15 Grants Review Committee, 2012
NIH/NHGRI, Reviewer, Site Visit, Cancer Genetics Branch, 6/13
NIH Reviewer/Chair, ZRG1OBT-S(02)M; Genome Integrity and Tumor Progression, 2013
NIH Reviewer/Chair, Special Emphasis Panel, 2013
NIH Reviewer/Chair, NCI Provocative Questions Review Committee, 2013-
AACR Colon Cancer Postdoctoral Fellowship Review Committee,, 2013- 2015
AACR Minority Fellowship Review Committee, 2014-2015
Minorities in Cancer Research Professional Advancement Roundtable, AACR Annual Meeting, 4/14
NIH/NCI, Reviewer/Chair, Site Visit, Laboratory of Cancer Biology and Genetics, 10/14
NIH Reviewer/Chair, NCI Special Emphasis Panel for R21s and R03s, 2015, 2016, 2017
NIH/NCI, Reviewer/Chair, Site Visit, Laboratory of Genome Integrity, 11/15
NIH Reviewer/Chair, NCI Special Emphasis Panel for Comprehensive Partnerships to Advance Health Equity (U54), 2016, 2017
AACR Research Meeting Planning Committee, 8/16-
NIH Reviewer/Chair, Cancer Health Disparities Fellowships Study Section, 2016
EAB Member, Texas A&M University, NIEHS P50, 2017-
NIH Reviewer/Chair, NCI R50 Study Section, 2017
NIH Reviewer/Chair, Cancer Health Disparities in Basic Cancer Research Study Section, 2017-

International Service

Israel Cancer Research Fund, Scientific Review Panel, 2000, 2006, 2010
European Commission 6th Framework Programme for Research, Technological Development and Demonstration, Review Committee, 2004
Cancer Research UK, Grant Reviewer, 2005, 2009, 2011
Reviewer, Canada Foundation for Innovation, 2006
Preferred AIRC Reviewer, The Italian Association for Cancer Research, 2008-

Luxumberg National Research Fund, Scientific Reviewer, 2010
US-Israel Binational Science Foundation, Reviewer, 2010
Marsden Fund, New Zealand, Reviewer, 2013
Netherlands Cancer Organization, Reviewer, 2015

Editorial Boards
Carcinogenesis (2003-2008)
Molecular Carcinogenesis (2011-)
Frontiers in Genetics (2011-)

Manuscript Reviews (2012-2017)
American Journal of Human Genetics
Cancer Cell
Cancer Research
Carcinogenesis
EMBO J
Gastroenterology
Genes and Development
Genomics
Gut
Human Molecular Genetics
Human Mutation
Journal of Biological Chemistry
Journal of Cell Biology
Journal of the National Cancer Institute
Journal of Pediatrics
Molecular Cell
Molecular and Cellular Biology
Nature
Nature Cell Biology
Nature Genetics
Nature Medicine
Neoplasia
New England Journal of Medicine
Nucleic Acids Research
Oncogene
PLoS One
PLoS Genetics
Proceedings of the National Academy of Sciences
Science

Predoctoral Training Record
Previous
Irma Santoro; Ph.D.; 1993-1998; Assistant Professor, Department of Biology, Reinhardt University, Waleska, GA
Christopher Heinen; Ph.D.; 1993-1999; Associate Professor, Department of Molecular Medicine, University of Connecticut School of Medicine, West Hartford, CT
Christopher Trzepacz; Ph.D.; 1993-1999; Associate Professor, Department of Biology, Murray State University, Murray, KY
Kira Steigerwald-Jones; Ph.D., M.B.A.; 1994-2000; Data Analyst, Department of Taxation, State Government of Ohio, Columbus, OH

Joel E. Straughen; M.D. Ph.D.; 1996-2001; Diagnostic Molecular Pathology, Memorial Sloan Kettering Cancer Center, New York, NY

Greg Langland; Ph.D.; 1996-2002; Faculty, Engineering & Technology Department, City College of San Francisco, San Francisco, CA

Katherine Lillard Tunstel; Ph.D.; 1999-2004; Chief Scientific Officer, Indica Labs, BioIncyte, Coventry, United Kingdom

Greg Behbehani; M.D. Ph.D.; 1997-2005; Assistant Professor, Division of Hematology-Oncology, Department of Internal Medicine, The Ohio State University College of Medicine, Columbus, OH

Jiang Qian, Ph.D.; 2000-2006; Research Scientist, Pharmaceuticals Inc, Nanjing, China

Betty Russell; Ph.D.; 2004-2009; Lecturer, Northern Kentucky University, Highland Heights, KY

Patrick Grierson; Ph.D.; 2007-2012; Clinical Fellow, Hematology-Oncology, Internal Medicine, Washington University School of Medicine, St. Louis, MO

April Sandy Gocha; Ph.D.; 2006-2012; Director, Science Communications, The American Ceramic Association, Columbus, OH

Julia Harris Behnfeld; Ph.D. 2010-2015; Office of Research Integrity, The Ohio State University, Columbus, OH

Michael Trimarchi, Ph.D.; 2009-2016; Postdoctoral Fellow, Cincinnati Children's Medical Center, Cincinnati, OH

Alaina Martinez, Ph.D.; 2012-2016; Clinical Research Specialist, Youngstown State Hospital, Youngstown, OH

William Hankey; Ph.D.; 2009-2016 ; Postdoctoral Fellow, Duke University, Columbus, OH

Postdoctoral Training Record

Previous

Jenette Creaney Ph.D.; 1996-1999; Professor, and Head of Biomarkers and Discovery, School of Medicine, The University of Western Australia, Perth, Western Australia

Robert Hopkins M.D.; 1996-1997; Associate Professor in Clinical Pediatrics, Division of Human Genetics, Children's Hospital Research Foundation, Cincinnati, OH (Co-sponsored)

Rick Pyles Ph.D.; 1994-1996 (Co-sponsored); Associate Professor, Department of Microbiology and Immunology, University of Texas Medical Branch, Galveston, TX

Jane Sande M.D.; 1999-2001; Medical Director, Center of Excellence Medical Director, Children's National Medical Center, Washington D.C.

Therese Tuohy Ph.D.; 1993-1999; Genetics Counselor, Division of Clinical Genetics, University of Utah, Salt Lake City, UT

Kathleen Heppner Goss Ph.D.; 1997-2002; Assistant Professor, Department of Surgery, University of Chicago, Chicago, IL

Wilson Clements M.D.; 7/00-6/02; Thoracic Surgeon, Lexington, KY

Amod Sarniak M.D.; Assistant Member, H. Lee Moffat Cancer Center & Research Institute, 7/01-6/03;

Robert Holcraft Ph.D.; 6/04-6/05, Postdoctoral Fellow, Department of Surgery, University of Cincinnati College of Medicine, Cincinnati, OH

Daniel Carson Ph.D.; 7/02-10/05, Research Scientist, Department of Surgery, University of Cincinnati College of Medicine, Cincinnati, OH

Saumitri Bhattacharyya, Ph.D.; 2006-2012, Lost to Follow-up

Kiran Nadella, Ph.D.; 2007-2009, Scientist, Drug Discovery (Oncology) at Otsuka Pharmaceutical Companies, Washington DC

Erin Perchiniak, PhD.; 2007-2010, Undergraduate Lecturer, University of Delaware, Lewes, DE

Kenichi Ebede, M.D., 2011-2014; Anesthesiology Instructor, University of Florida, Gainesville, FL
Zeenia Kaul Ph.D., M.B.A., 2012-2016; Pharma/Genentech Partnership; NY/CA

Current
William Hankey; Ph.D.; 2009-2016 ; Postdoctoral Fellow, The Ohio State University, Columbus, OH

Mentored Awards as Mentor

Grant Number:	K08 CA89403-02
Principal Investigator:	Andrew Lowy MD
Project Title:	Gene Targets of Wnt Signaling in Pancreatic Cancer
Project Period:	07/01/2001 - 06/30/2006

Grant Number:	K26 RR17024-01A1
Principal Investigator:	Gregory Boivin DVD
Project Title:	Mouse Models of Lung Cancer
Project Period:	09/30/2002 - 08/31/2007

Grant Number:	R01 ES015052
Principal Investigator:	Patricia Opresko Ph.D., University of Pittsburgh
Project Title:	NIEHS “ONES” Grant Advisory Committee
Project Period:	2007-2012

Teaching Record
Graduate Level
"Advanced Molecular Genetics II", College of Medicine, University of Cincinnati, Lecturer, 1994-2005
- The WNT Signaling Pathway
- Response of the Cell Cycle to DNA Damage
- Signal Transduction in DNA Repair
- Signal Transduction in Apoptosis
- Genomic Instability
- Mammalian Sex Determination and X-Inactivation

"Cancer Biology", College of Medicine, University of Cincinnati, Lecturer, 1994-2003
- Tumor Suppressor Genes
- Genomic Instability and Cancer Predisposition
- DNA Repair

“Medical Biochemistry”, College of Medicine, University of Cincinnati, Lecturer, 1996-2005
- Basic Modes of Inheritance
- Chromosome Structure
- Mitochondrial Inheritance
- Hereditary Colon Cancer
- Hereditary Breast Cancer

Undergraduate Level
"Human Genetics", Department of Biology, University of Cincinnati, Lecturer, 1995-2003
- Molecular Genetics and the Human Genome

“Cancer Biology”, Zoology Department, Miami University, Lecturer, 2001-2003
- Inherited Predisposition to Human Cancer

High School Level

HHMI EXCEL Program in High School Science Education, College of Medicine, University of Cincinnati, 2000-2003; “Genetics”, Five-Day Program in Mammalian Genetics, Genomics and Human Disease

Thesis Committee Member

M.S. Degrees Awarded

Michael Dooney	University of Cincinnati, 1995
Sharon Jones	University of Cincinnati, 1995
Ming Duanmu	University of Cincinnati, 1997
Ling Sang	University of Cincinnati, 1997
Chuck Klanke	University of Cincinnati, 1999
Jennifer Stein	University of Cincinnati, Genetic Counseling, 2000
Julie Piecan	University of Cincinnati, 2001
Mary Prizloff	University of Cincinnati, Genetic Counseling, 2001
Carrie Gill	University of Cincinnati, Genetic Counseling, 2004

Ph.D. Degrees Awarded

Haiyan Chen	University of Cincinnati, 1995
Julian Molina	University of Cincinnati, 1995
Nicholas Denko (MSTP)	University of Cincinnati, 1995 (now on faculty at OSU-COM)
Ming Zhou	University of Cincinnati, 1997
Lori Pile	University of Cincinnati, 1998
Scott Wenderfer (MSTP)	University of Cincinnati, 1999
Peng Jin	University of Cincinnati, 1999
Kathy Lee	University of Cincinnati, 1999
Roy Lynch	University of Cincinnati, 1999
Sharon Richardson	University of Cincinnati, 2000
Nicole King	University of Cincinnati, 2000
Peter Kozel	University of Cincinnati, 2001
Bret Abott (MSTP)	University of Cincinnati, 2001
Willy Solas	University of Cincinnati, 2001
Eric Raabe (MSTP)	University of Cincinnati, 2002
Susan Ingraham (MSTP)	University of Cincinnati, 2002
Manu de Rycker	University of Cincinnati, 2004
Shawn Jeffries	University of Cincinnati, 2005
Janice Ascano	University of Cincinnati, 2005
Pavitra Keshavan	University of Cincinnati, 2006
J. Scott Larson	University of Cincinnati, 2006
Fred Kaplan	University of Cincinnati, 2008
Anna Eiring	The Ohio State University, 2009
Amy Dworkin	The Ohio State University, 2010
Jessica Buescher	The Ohio State University, 2010
Sarah Javaid	The Ohio State University, 2010
Anthony Popkie	The Ohio State University, 2011
Josh Saldizar	The Ohio State University, 2013
Swetia Kotian	The Ohio State University, 2013
Sara Fritz	The Ohio State University, 2015
Madelyn Gerber	The Ohio State University, 2015
Komal Rombani	The Ohio State University, 2016
Jenna Karras	The Ohio State University, 2016
Tierra Ware	The Ohio State University, 2016
Paula Aguelo-Garcia	The Ohio State University, 2017

Ph.D. Committees in Progress

Timothy Adesanyo	The Ohio State University
Christina Knippler	The Ohio State University
Brandon Murphy	The Ohio State University
Abeba Zewdu	The Ohio State University

Current Faculty Mentees

Christin Burd PhD, Assistant Professor, Department of Cancer Biology and Genetics, OSU
Lei Cao PhD, Associate Professor, Department of Cancer Biology and Genetics, OSU COM
Vincenzo Coppola MD, Assistant Professor, Department of Cancer Biology and Genetics, OSU
Darryll Gray MD, Assistant Professor, Gastroenterology, Department of Internal Medicine, OSU COM
Joseph Kitzmiller MD, PhD, Assistant Professor, Department of Biological Chemistry and Pharmacology, OSU COM
Courtney Lynch PhD, Associate Professor, Department of Obstetrics and Gynecology, OSU
Leah Pyter PhD, Associate Professor, Department of Psychiatry, OSU COM
Anne Strohecher PhD, Assistant Professor, Department of Cancer Biology and Genetics, OSU
Amanda Toland PhD, Associate Professor, Department of Cancer Biology and Genetics, OSU
Kristine Yoder PhD, Assistant Professor, Department of Cancer Biology and Genetics, OSU