

CURRICULUM VITAE

Personal Data:

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Date of Birth: May 30, 1960
Place of Birth: Detroit, MI
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Education:

1982 BA Kalamazoo College
Kalamazoo, MI
1988 Ph. D. University of Michigan Medical School
Ann Arbor, MI

Post-doctoral training:

1988-1989 Postdoctoral Associate, Fox Chase Cancer Center.
In the laboratory of Dr. M. J. Bosma
1989-1994 Postdoctoral Associate, Dana-Farber Cancer Institute,
Harvard Medical School. In the laboratory of Dr. David
T. Weaver.

Academic Appointments:

1994-1999 Assistant Professor, Department of Medical Genetics
University of Wisconsin Medical School
1999-2002 Associate Professor (with tenure), Department of Medical
Genetics, University of Wisconsin Medical School
2002-Present Member, Memorial Sloan Kettering Cancer Center
2002-Present Professor, Weill Graduate School of Medical Sciences at Cornell
University

Service:

2003-2014 Founding Organizer, Genome Integrity Discussion Group New
York Academy of Sciences
2006-2008 Adhoc member, MGB Study Section
2008-2012 Member, Cancer Etiology Study Section
2009-2012 Member, CPRIT Review Panel BR3
2009-2010 FASEB meeting on Genetic Recombination – Co Organizer
2011-2012 FASEB meeting on Genetic Recombination and Genome
Rearrangements – Organizer
2012-2013 Barcelona BioMed Conference on “The DNA damage response in
human disease” – Co Organizer

2012-Present	Member of Executive Committee, American-Italian Cancer Foundation Scientific Advisory Board
2014-Present	Chair, External Advisory Board of the Basser Center at the University of Pennsylvania
2014-Present	Member, CPRIT Review Panel BR3
2014-Present	SKI Committee on Appointments and Promotions
2014-Present	Member, Executive Committee, MSKCC Center for Metastasis Research
2014-Present	Director and Founder, MSKCC Functional Genomics Initiative
2014-Present	Member, Data Usage Committee, Center for Molecular Oncology
2015-2018	Member, Executive Committee, MSKCC GMTEC Committee
2016-2020	Member, Executive Committee, MSKCC Immunogenomics and Personalized Oncology Platform
2016-Present	Chair, SKI Molecular Biology Program
2019-Present	Member, Executive Committee, Basic Research Innovation Award
2019-Present	Member, Executive Committee, American Association for Cancer Research
2021	Member, American Association for Cancer Research, Laboratory Research Award Committee
2021	Member, SAB MSKCC Pathology Department Committee
2021	Member, Faculty Recruitment Committee, SKI
2021	Internal Advisory Board for the Tow Center for Developmental Oncology
2021	Member, Editorial Board NAR Cancer

Editorial Boards

1999-2003	Member of Editorial Board, Mutation Research
1999-2002	Member of Editorial Board, Molecular and Cellular Biology
2005-2012	Senior Editor, Molecular Cancer Research
2009-2013	Joint Editor-in-Chief, Genome Integrity
2010-2018	Board of Review Editors, Science
2021	Member of Editorial Board, NAR Cancer

Awards and Fellowships:

1993-1996	Leukemia Society of America Special Fellowship
1995-1997	ACS Research Grant Recipient
1995-1996	Collaborative Research Award (UW Medical School)
1996-1998	Basil O'Connor Scholar of The March of Dimes Foundation
1996-2000	Milwaukee Foundation Shaw Scientist Award

1999-2000	Human Frontiers Research Grant Awardee
2000-2001	Radiation Research Society Michael Fry Award.
2002-2006	The Joel and Joan Smilow Initiative for Research in Genomic Integrity
2005-Present	Paul A. Marks Chair in Molecular Cell Biology
2012-2022	NIGMS MERIT Award

Student research preceptorships:

Debra A. Bressan	1994 to 1999	UW Graduate student in Genetics
Richard S. Maser	1994 to 2000	UW Graduate student in Genetics
Junyu Lin	1998 to 1999	UW Graduate student in Genetics
Carla F. Bender	1998 to 2002	UW Graduate student in Genetics
Bret Williams	1999 to 2005	UW CMB Graduate student
Chantal Ly	1999 to 2002	UW CMB Graduate student
Santos Franco	2001 to 2002	UW CMB Graduate student
James Flemming	2003 to 2004	Cornell MCB Graduate student
Jan Theunissen	2001 to 2005	Cornell MCB Graduate student
Carrie Adelman	2002 to 2008	Cornell MCB Graduate student
Muge Akpınar	2008 to 2010	GSK Graduate student
Kendall Olsen	2009 to 2010	GSK Graduate student
Esther Sanchez de Leon Ley	2017	Cornell BCMB Graduate Student
Hexiao Wang	2017	Cornell BCMB Graduate Student

Publications:

(⇒ Indicates shared senior authorship)

1. Szurek, P., **Petrini, J.H.** and Dunnick W. (1985). *Complete nucleotide sequence of the murine gamma 3 switch region and analysis of switch recombination sites in two gamma 3-expressing hybridomas*. J Immunol, **135**. 620-626.
2. **Petrini, J.H.**, Shell, B., Hummel, M., and Dunnick, W. (1987). *The immunoglobulin heavy chain switch: structural features of gamma 1 recombinant switch regions*. J Immunol, **138**. 1940-1946.
3. Carroll, A.M., Hardy, R.R., **Petrini, J.H.**, and Bosma, M.J. (1989). *T cell leakiness in scid mice*. Curr Top Microbiol Immunol, **152**. 117-123.
4. **Petrini, J.H.**, and Dunnick W.A. (1989). *Products and implied mechanism of H chain switch recombination*. J Immunol, **142**. 2932-2935.
5. **Petrini, J.H.**, Carroll A.M., and Bosma M.J. (1990). *T-cell receptor gene rearrangements in functional T-cell clones from severe combined immune deficient (scid) mice: reversion of the scid phenotype in individual lymphocyte progenitors*. Proc Natl Acad Sci U S A, **87**. 3450-3453.
6. Schultz, C., **Petrini, J.H.**, Collins, J., Claflin, J.L., Denis, K.A., Gearhart, P., Gritzmacher, C., Manser, T., Schulman, M., and Dunnick, W. (1990). *Patterns and extent of isotype-specificity in the murine H chain switch DNA rearrangement*. J Immunol, **144**. 363-370.
7. **Petrini, J.H.**, Huwiler K.G., and Weaver D.T. (1991). *A wild-type DNA ligase I gene is expressed in Bloom's syndrome cells*. Proc Natl Acad Sci U S A, **88**. 7615-7619.

8. Vivier, E., Rochet, N., Ackerly, M., **Petrini, J.H.**, Levine H., Daley J., and Anderson, P. (1992). *Signaling function of reconstituted CD16: zeta: gamma receptor complex isoforms*. *Int Immunol*, **4**. 1313-1323.
9. **Petrini, J.H.**, Donovan, J.W., Dimare, C., and Weaver, D.T. (1994). *Normal V(D)J coding junction formation in DNA ligase I deficiency syndromes*. *J Immunol*, **152**. 176-183.
10. **Petrini, J.H.**, Walsh, M.E., DiMare C., Chen, X.N., Korenberg, J.R. and Weaver, D.T. (1995). *Isolation and characterization of the human MRE11 homologue*. *Genomics*, **29**. 80-86.
11. **Petrini, J.H.**, Y. Xiao, and Weaver, D.T. (1995). *DNA ligase I mediates essential functions in mammalian cells*. *Mol Cell Biol*, **15**. 4303-4308.
12. Dolganov, G.M., Maser, R.S., Novikov, A., Tosto, L., Chong, S., Bressan, D.A., and **Petrini, J.H.**, (1996). *Human Rad50 is physically associated with human Mre11: identification of a conserved multiprotein complex implicated in recombinational DNA repair*. *Mol Cell Biol*, **16**. 4832-4841.
13. Maser, R.S., Monsen, K.J., Nelms, B.E., and **Petrini, J.H.** (1997). *Mre11 and hRad50 nuclear foci are induced during the normal cellular response to DNA double-strand breaks*. *Mol Cell Biol*, **17**. 6087-6096. PMID: PMC232458
14. **Petrini, J.H.**, Bressan, D.A. and Yao, M.S. (1997). *The RAD52 epistasis group in mammalian double strand break repair*. *Semin Immunol*, **9**. 181-188. PMID: 9200329
15. Bressan, D.A., Olivares, H.A., Nelms, B.E., and **Petrini, J.H.** (1998). *Alteration of N-terminal phosphoesterase signature motifs inactivates *Saccharomyces cerevisiae* Mre11*. *Genetics*, **150**. 591-600. PMID: PMC1460356
16. Carney, J.P., Maser R.S., Olivares, H., Davis, E.M., Le Beau, M., Yates JR 3rd, Hays, L., Morgan W.F., and **Petrini, J.H.** (1998). *The hMre11/hRad50 protein complex and Nijmegen breakage syndrome: linkage of double-strand break repair to the cellular DNA damage response*. *Cell*, **93**. 477-486.
17. Nelms, B.E., Maser, R.S., MacKay, J.F., Lagally M.G., and **Petrini, J.H.** (1998). *In situ visualization of DNA double-strand break repair in human fibroblasts*. *Science*, **280**. 590-592.
18. Bressan, D.A., Baxter, B.K. and **Petrini, J.H.** (1999). *The Mre11-Rad50-Xrs2 protein complex facilitates homologous recombination-based double-strand break repair in *Saccharomyces cerevisiae**. *Mol Cell Biol*, **19**. 7681-7687.
19. Luo, G., Yao, M.S. Bender, C.F., Mills, M., Bladl, A.R., Bradley, A. and **Petrini, J.H.**, (1999). *Disruption of mRad50 causes embryonic stem cell lethality, abnormal embryonic development, and sensitivity to ionizing radiation*. *Proc Natl Acad Sci U S A*, **96**. 7376-7381.
20. **Petrini, J.H.** (1999). *The mammalian Mre11-Rad50-nbs1 protein complex: integration of functions in the cellular DNA-damage response*. *Am J Hum Genet*, **64**. 1264-1269.
21. ⇨Stewart, G.S., Maser, R.S., Stankovic, T., Bressan, D.A., Kaplan, M.I., Jaspers, N.G., Raams, A., Byrd, P.J., **Petrini, J.H.**, and Taylor, A.M. (1999). *The DNA double-strand break repair gene hMRE11 is mutated in individuals with an ataxia-telangiectasia-like disorder*. *Cell*, **99**. 577-587.
22. Girard, P.M. Foray, N., Stumm, M., Waugh, A., Riballo, E., Maser, R.S., Phillips, W.P., **Petrini, J.H.**, Arlett, C.F., and Jeggo, P.A. (2000). *Radiosensitivity in Nijmegen Breakage Syndrome cells is attributable to a repair defect and not cell cycle checkpoint defects*. *gir.*, **60**. 4881-4888.
23. Lim, D.S., Kim, S.T., Xu, B., Maser, R.S., Lin, J., **Petrini, J.H.**, and Kastan, M.B. (2000). *ATM phosphorylates p95/nbs1 in an S-phase checkpoint pathway*. *Nature*, **404**. 613-617.

24. **Petrini, J.H.** (2000). *When more is better*. Nat Genet, **26**. 257-258.
25. **Petrini, J.H.** (2000). *The Mre11 complex and ATM: collaborating to navigate S phase*. Curr Opin Cell Biol, **12**. 293-296.
26. Wu, X., **Petrini, J.H.**, Heine W.F., Weaver D.T., Livingston, D.M. and Chen, J. (2000). *Independence of R/M/N focus formation and the presence of intact BRCA1*. Science, **289**. 11.
27. Zhu, X.D., Kuster, B., Mann, M. **Petrini, J.H.**, and de Lange, T. (2000). *Cell-cycle-regulated association of RAD50/MRE11/NBS1 with TRF2 and human telomeres*. Nat Genet, **25**. 347-352.
28. **Petrini, J.H.** (2000). *S phase functions of the Mre11 complex*. CSHSQB, **65**. 405-411.
29. De Lange, T. and **Petrini, J.H.** (2001). *A new connection at human telomeres: association of the Mre11 complex with TRF2*. CSHSQB, **65**. 265-273.
30. Maser, R.S., Zinkel R., and **Petrini, J.H.** (2001). *An alternative mode of translation permits production of a variant NBS1 protein from the common Nijmegen breakage syndrome allele*. Nat Genet, **27**. 417-421.
31. Maser, R.S., Bressan D.A., and **Petrini, J.H.** (2001). *The Mre11-Rad50 Complex: Diverse Functions in the Cellular DNA Damage Response*, in *DNA Damage and Repair*, M.F. Hoekstra and J.A. Nickoloff, Editors. Humana Press: Totowa.
32. Mirzoeva, O.K. and **Petrini, J.H.** (2001). *DNA damage-dependent nuclear dynamics of the Mre11 complex*. Mol Cell Biol, **21**. 281-288.
33. ⇒Usui, T., Ogawa H., and **Petrini, J.H.** (2001). *A DNA damage response pathway controlled by Tel1 and the Mre11 complex*. Mol Cell, **7**. 1255-1266.
34. Maser, R.S., Mirzoeva, O.K., Wells, J., Olivares, H., Williams, B.R., Zinkel, R.A., Farnham, P.J., and **Petrini, J.H.** (2001). *The MRE11 complex and DNA replication: linkage to E2F and sites of DNA synthesis*. Mol Cell Biol, **21**. 6006-6016.
35. Lee, S. E., Bressan, D. A., **Petrini, J.H.**, and Haber, J. E. (2002). *Complementation between N-terminal Saccharomyces cerevisiae mre11 alleles in DNA repair and telomere length maintenance*. DNA Repair, **1**. 27-40.
36. Bender, C. F., Sikes M. L., Sullivan R., Huye L.E., Le Beau M. M., Roth D. B., Mirzoeva, O.K., Oltz E. M., and **Petrini, J.H.** (2002). *Cancer predisposition and hematopoietic failure in Rad50S/S mice*. Genes Dev, **16**. 2237-2251.
37. Williams, B. R., Mirzoeva, O. K., Morgan, W. F., Lin, J., Dunnick, W. and **Petrini, J.H.** (2002). *A murine model of Nijmegen breakage syndrome*. Current Biology, **12**. 648-653.
38. Falck, J., **Petrini, J.H.**, Williams, B. R., Lukas, J., and Bartek, J. (2002). *The DNA damage-dependent intra--S phase checkpoint is regulated by parallel pathways*. Nat Genet, **30**. 290-294.
39. ⇒Hopfner, K. P., Craig, L., Moncalian, G., Zinkel, R.A., Usui, T., Owen, B.A., Karcher, A., Henderson, B., Bodmer, J.L., McMurray, C.T., Carney, J. P., **Petrini, J.H.**, and Tainer, J. A. (2002). *The Rad50 molecular hook: a novel structure underlying Mre11 complex functions in DNA recombination and repair*. Nature, **418**. 562-566.
40. Mirzoeva, O. K. and **Petrini, J.H.** (2003). *DNA Replication-dependent nuclear dynamics of the Mre11 complex*. Mol Can Res, **1**. 207-218.
41. **Petrini, J.H.**, and Stracker T. H. (2003). *The cellular response to DNA double strand breaks: defining the sensors and mediators*. Trends Cell Biology, **13**. 458-462.
42. Theunissen, J-W. F., Kaplan, M. I., Hunt, P. A., Williams, B. R., Furguson, D. O., Alt, F. W., and **Petrini, J.H.** (2003). *Checkpoint failure and chromosomal instability without lymphomagenesis in Mre11^{ATLD1/ATLD1} mice*. Mol Cell, **12**. 1511-23.

43. Borde, V., Lin, W., Novikov, E., **Petrini, J.H.**, Lichten, M., and Nicolas, A. (2004). *Association of Mre11p with double strand break sites during yeast meiosis*. Mol Cell, **13**. 389-401.
44. **Petrini, J.H.** and Theunissen. J-W. F. (2004). *Double strand break metabolism and cancer susceptibility: Lessons from the Mre11 complex*. Cell Cycle, **3**. 541-542.
45. Stracker, T.H. Theunissen J-W. F. Morales, M. and **Petrini, J.H.** (2004). *The Mre11 complex and the metabolism of chromosome breaks: the importance of communicating and holding things together*. DNA Repair, **3**. 845-854.
46. Karlseder, J. Hoke, K. Mirzoeva, O. K. Bakkenist, C. Kastan, M. B. **Petrini, J.H.**, and de Lange T. (2004). *The telomeric protein TRF2 binds the ATM kinase and can inhibit the ATM dependent DNA damage response* PloS Biol, **2**. 1150-1156.
47. Shroff, R. Arbel-Eden, A. Pilch, D. Ira, G. Bonner, W. M. **Petrini, J.H.**, Haber, J. E. and Lichten, M. (2004). *Distribution and dynamics of chromatin modification induced by a defined DNA double strand break*. Current Biology, **14**. 1703-1711.
48. Wiltzius. Jed J. W., Hohl. Marcel, Fleming James C., **Petrini, J.H.** (2005). *The Rad50 hook domain is required for Mre11 complex functions in DNA repair, telomere maintenance and meiotic double strand break formation*. Nat Struct Mol Biol, **12**. 403-407.
49. Chiolo, I., Carotenuto, W., Maffioloetti, G., **Petrini, J.H.**, Foiani, M., and Liberi, G. (2005). *Srs2 and Sgs1 DNA helicases associate with Mre11 in different sub-complexes following checkpoint activation and CDK1-mediated Srs2 phosphorylation*. Mol Cell Biol, **25**. 5738-5751.
50. Levran, O., Attwooll, C., Henry, R.T., Milton, K.L., Neveling, K., Rio, P., Batish, S.D., Kalb, R., Velleuer, E., Barral, S., Ott, J., **Petrini, J.H.**, Schindler, D., Hanenberg, H., and Auerbach, A.D. (2005). *The BRCA1-interacting helicase BRIP1 is deficient in Fanconi anemia*. Nat Genet, **37**. 931-933.
51. Theunissen J-W. F., **Petrini, J.H.** (2005). *Methods for studying the cellular response to DNA damage: influence of the Mre11 complex on chromosome metabolism*. Methods Enzymol, **409**. 251-284.
52. Adelman, C., **Petrini, J.H.**, and Attwooll, C. (2005) *Modeling Disease in the Mouse: Lessons from DNA Damage Response and Cell Cycle Control Genes*. J Cell Biochem, **97**. 459-473.
53. Morales, M, Theunissen, JWF, Bender Kim, CF, Kitagawa, R, Kastan, M. B., **Petrini, J.H.** (2005). *The Rad50S allele promotes ATM-dependent DNA damage responses and suppresses ATM deficiency: Implications for the Mre11 complex as a DNA damage sensor*. Genes Dev, **19**. 3043-3054.
54. **Petrini, J.H.** (2005). *At the end, remodeling leads to eviction*. Nat Struct Mol Biol, **12**. 1028-1029.
55. Heikkinen K, Rapakko K, Karppinen SM, Erkko H, Knuutila S, Lundan T, Mannermaa A, Borresen-Dale, AL, Borg A, Barkardottir RB, **Petrini, J.H.**, Winqvist R. (2006). *RAD50 and NBS1 are breast cancer susceptibility genes associated with genomic instability*. Carcinogenesis, **8**. 1593-1599. PMC3006189
56. Usui, T., **Petrini, J.H.**, (2007) *The S. cerevisiae 14-3-3 Proteins Bmh1 and Bmh2 Directly Influence the DNA Damage-Dependent Functions of Rad53*. Proc Natl Acad Sci, **104**. 2797-2802. PMC1797148
57. Krishna, S., Wagener, B., Liu, Hui Ping, Sterk, R., **Petrini, J.H.**, Nickoloff, J. (2007). *Mre11 and Ku regulation of double-strand break repair by gene conversion and break-induced replication* DNA Repair, **6**. 797-808. PMC1948817
58. Cherry, S.M., Adelman, C.A., Theunissen, J.W., Hassold, T.J., Hunt, P.A., **Petrini, J.H.** (2007) *The Mre11 Complex Influences DNA Repair, Synapsis, and Crossing Over in Murine Meiosis*. Curr Biol, **17**. 373-378. PMC1839861

59. Stracker, T.H., Morales, M., Couto, S.S., Hussein, H., **Petrini, J.H.** (2007) *The C-terminus of Nbs1 is required for Mre11 complex dependent induction of apoptosis*. *Nature*, **447**. 218-223. PMC5994899
60. Kim, H., Vijayakumar, S., Reger, M., Harrison, J., Haber, J.E., Weil, C., **Petrini, J.H.** (2008) *Functional interactions between Sae2 and the Mre11 complex*. *Genetics*, **178**. 711-723. PMC2248341
61. Morales, M., Liu, Y., Laiakis, E. C., Morgan, W.F., Nimer, S. D., **Petrini, J.H.** (2008) *DNA damage signaling alters the behavior of primitive hematopoietic cells: A role for Mre11 complex-mediated repair of topoisomerase lesions*. *Can Res*, **68**. 2186-2193. PMC3950343
62. Adelman, C., **Petrini, J.H.** (2008) *ZIP4H (TEX11) Deficiency in the Mouse Impairs Meiotic Double Strand Break Repair and the Regulation of Crossing Over*. *PLoS Genet*, **4**. e1000042. PMC2267488
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64. Stracker, T.H., **Petrini, J.H.** (2008) *Working together and apart: the twisted relationship of the Mre11 complex and Chk2 in apoptosis and tumor suppression*. *Cell Cycle*, **23**. 3618-3621. PMC2994099
65. Stracker, T.H., Williams, B.R., Deriano, L., Theunissen, J.W., Adelman, C.A., Roth, D.B., and **Petrini, J.H.** (2009) *Artemis and NHEJ -independent influence of DNA-PKcs on chromosome stability*. *Mol Cell Biol*, **29**. 503-514. PMC2612508
66. Adelman, C., De, S., **Petrini, J.H.** (2009) *Rad50 is dispensable for the maintenance and viability of post-mitotic tissues*. *Mol Cell Biol*, **29**. 483-492. PMC2612516
67. Shull, Erin R. P., Lee, Youngsoo, Nakane, H., Stracker, T. H., Zhao, J., Russell, H. R., **Petrini, J.H.** and McKinnon, P. J. (2009). *Differential DNA damage signaling accounts for distinct neural apoptotic responses*. *ATLD and NBS*. *Genes Dev*, **23**. 171-80. PMC2648541
68. Usui, T., Foster, S. S., and **Petrini, J.H.** (2009) *Maintenance of the DNA damage checkpoint requires DNA damage-induced mediator protein oligomerization*. *Mol Cell*, **33**. 147-159. PMC2995296
69. Deriano, L., Stracker, T.H., Baker, A., **Petrini, J.H.**, Roth, D.B., (2009) *Roles for NBS1 in alternative and joining of V (D) J recombination intermediates*. *Mol Cell*, **34**. 13-25. PMC2704125
70. Adelman, C., **Petrini, J.H.** (2009) *Division Of Labor: DNA repair and the cell cycle specific functions of the Mre11 Complex*. *Cell Cycle*, **8**. 1-5. PMC3059805
71. Halberg, R., Waggoner, J., Rasmussen, K., White, A., Clipson, L., Prunuske, A., Bacher, J., Sullivan, R., Washington, M., Pitot, H., **Petrini, J. H.**, Albertson, D., Dove, W. (2009) *Long-lived Min Mice Develop Advanced Intestinal Cancers through a Genetically Conservative Pathway*. *Can Res*, **69**. 5768-75. PMC2775466
72. **Petrini, J.H.** (2009) *DNA Replication Reaches the Breaking Point*. *Cell*, **137**. 211-212. PMC392878
73. Stracker, TH, Usui, T., **Petrini, J.H.** (2009) *Taking the time to make important decisions: The checkpoint effector kinases Chk1 and Chk2 and the DNA damage response*. *DNA Repair*, **8**. 1047-1054. PMC2725228
74. Attwool, C. Akpınar, M., **Petrini, J.H.** (2009) *The Mre11 Complex and Response to Dysfunctional Telomeres*. *Mol Cell Biol*, **20**. 5540-51. PMC2756889
75. Brungmans, L., Verkaik, N., Kunen, M., Van Drunen, E., Williams, B., **Petrini, J.H.**, Kanaar, R., Essers, J., Van Gent, D. (2009) *NBS1 cooperates with homologous recombination to counteract chromosomes breakage during replication*. *DNA Repair*, **8**. 1363–1370. PMC2995292
76. Squatrito, M., Brennan, C.W., Helmey, K., Huse T., **Petrini, J.H.**, Holland, E. (2010) *Loss of ATM/Chk2/p53 pathway components accelerates tumor development and contributes to radiation resistance in gliomas*. *Cancer Cell*, **18**. 619-29. PMC3828087

77. Stracker, T.H., **Petrini, J.H.** (2011) *The MRE11 Complex: Starting from the ends*. Nat Rev Mol Cell Biol, **12**. 90-103. PMC3905242
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79. Foster, S., Balestrini, A., **Petrini, J.H.** (2011) *Functional interplay of the Mre11 nuclease and Ku in the response to replication-associated DNA damage*, Mol Cell Biol, **31**. 4379-4389 PMC3209331
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81. Lovejoy, C., Li, W., Reisenweber, S., Thongthip, S., Bruno, J., De Lange, T., De, S., **Petrini, J.H.**, Sung, P.A., Jasin, M., Rosenbluh, J., Zwang, Y., Weir, B.A., Hatton, C., Ivanova, E., Macconaoil, L., Hanna, M., Hahn, W.C., Lue, N.F., Reddel, R.R., Jiao, Y., Kinzler, K., Vogelstein, B., Papadopoulos, N., Meeker, A.K., (2012) *Loss of ATRX, Genome Instability, and an Altered DNA Damage Response are Hallmarks of the Alternative Lengthening of Telomeres Pathway*. PLoS Genet, **7**. PMC3400581
82. Tittel-Elmer, M., Lengronne, A., Davidson, M., Bascal, J., Francois, P., Hohl, M., **Petrini, J.H.**, Pasero, P., Cobb, J. (2012) *Cohesin association to replication sites depends on Rad50 and promotes fork restart*. Mol Cell, **48**. 98-108. PMC3904740
83. Wohbold, L., Merrick, K., De, S., Amat, R., Kim, J., Larochele, S., Allen, J., Zhang, C., Shokat, K., **Petrini, J.H.**, Fisher, R. (2012) *Chemical genetics reveals a specific requirement for Cdk2 activity in the DNA damage response and identifies Nbs1 as a Cdk2 substrate in human cells*. PLoS Genet, **8**. PMC3426557
84. Kannan, K., Inagaki, A., Silber, J., Gorovets, D., Zhang, J., Kasthuber, E., Heguy A., **Petrini, J.H.**, Chan, T., Huse, J., (2012) *Whole exome sequencing identifies ATRX mutation as a key molecular determinant in lower-grade glioma*. Oncotarget, **3**. 1194-203. PMC3717947
85. Balestrini, A., Ristic, D., Dionne, I., Liu, X., Wyman, C., Wellinger, R.C., **Petrini, J.H.** (2013) *The Ku heterodimer and the metabolism of single-ended DNA double strand breaks*. Cell Reports, **3**. 2033-45. PMC3815622
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95. Balestrini, A., Nicolas, L., Yang-Lott, K., Guryanova, O., Levine, R., Bassing, C., Chaudhuri, J., **Petrini, J.H.** (2015) *Defining ATM-independent Functions of the Mre11 Complex with Novel Mouse Model*. *Mol Cancer Res.* **14**. 185-95. PMID: PMC4755792
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103. Huang, G., Kaufman, A.J., Ryan, R.J.H., Romin, Y., Huryn, L., Bains, S., Manova-Todorova, K., Morris, P.L., Hunnicutt, G.R., Adelman, C.A., **Petrini, J.H.**, Ramanathan, Y., Singh, B., (2019) *Mouse DCUN1D1 (SCCRO) is required for spermatogenetic individualization*. *PLoS One* **14**:e0209995. PMC6336273
104. Kim, JH., Penson, A.V., Taylor, B.S., **Petrini, J.H.**, (2019) *Nbn-Mre11 interaction is required for tumor suppression and genomic integrity*. 2019:201905305. doi: 10.1073/pnas.1905305116. Proc Natl Acad Sci. PMC6660787

105. Mojumdar, A., Sorenson, K., Hohl, M., Lees-Miller, S., Dubrana, K., **Petrini, J.H.**, Cobb, A.J. (2019) *Nej1 interacts with Mre11 to regulate -tethering and Dna2 binding at DNA double-strand breaks*. Cell Rep. 28 (6): 1565-1573 PMC6746346
106. Hohl, M., Mojumar, A., Hailemariam, S. Kuryavi, V., Ghisays, F., Sorenson, K., Chang, M., Taylor, B.S., Patel, D., Burgers, P.M., Cobb, J.A., **Petrini, J.H.** (2020) *Modeling Cancer Genomic Data in Yeast Reveals Selection Against ATM Function During Tumorigenesis*. PLoS Genet., 16 (3): e1008422 PMID: 32187176
107. Hailemariam S, De Bona P, Galletto R, Hohl M, **Petrini, J.H.**, Burgers PM. (2019) *The telomere-binding protein Rif2 and ATP-bound Rad50 have opposing roles in the activation of yeast Tel1(ATM) kinase*. J Biol Chem. DOI: 10.1074/jbc.RA119.011077. PMID: 31640985.
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109. Carbone, M., Aaron, T.S., Beutler, B., Bononi, A., Cavanee, W., Cleaver, E.J., Croce, M.C., D'Andrea, A., Foulkes, W., Gaudino, G., Groden, L.J., Henske, P.E., Hickson, D. I., Hwang, P.M., Kolodner, R., Mak, T., Malkin, D., Monnat, R., Novelli, F., Pass, L.H., **Petrini, J.H.**, Schmidt, L., Yang, H., (2020) *Tumour predisposition and cancer syndromes as models to study gene-environment interaction..* Nat Rev Cancer. 20(9):533-549.doi:10.1038/s41568-020-0265-y. doi.org/10.1038/S41568-020-0265-y PMC8104546
110. Wu, W., Bhowmick, R., Vogel, I., Ozer, O., Ghisays, F., Thakur, R.S., Sanchez De Leon, E., Richter, P.H., Ren, L., **Petrini, J.H.**, Hickson, I.D., Liu, Y., (2020) *RTEL1 Suppresses G-quadruplex-Associated R-Loops at Difficult-to-Replicate Loci in the Human Genome*. Nat Struct Mol Biol. 27. 424-437 PMID 32398827.
111. Fagin, J., **Petrini, J.H.** (2020) *Oncogene-induced DNA damage: cyclic AMP steps into the ring*. J Clin Invest. 2020. doi.org/10.1172/JCI142237
112. Da Cruz MC., Hohl, M., Ceppi, I., Kermasson, L., Maggiorella, L., Modesti, M., De Villarty J., Illeri, T., Cejka, P., **Petrini, J.H.**, Revy, P., (2020) *A disease-causing single amino-acid deletion in the coiled-coil domain of RAD50 impairs MRE11 complex functions in yeast and humans*. Cell Rep.PMC7788285
113. Ghisays, F., Garzia,A., Wang, H., Canasto-Chibuque, C., Hohl, M., Savage. S.A., Tuschl T., **Petrini, J.H.** (2021) *RTEL1 Influences the Abundance and Localization of TERRA RNA*. Nat. Commun. PMC8140157
114. Fernandez K.C., Feeney, L., Smolkin, R.M., Yen, W.F., Matthews, A. J., Petrini, J.H., Chaudhuri, J., (2022) *The Structure-Selective Endonucleases GEN1 and MUS81 are Functionally Complementary in Safeguarding the Genome of Proliferating B Lymphocytes*. bioRxiv 2022.02.09.479711; doi: <https://doi.org/10.1101/2022.02.09.479711>. PMCID in PROCESS

Invited Presentations at National or International Meetings:

1. **University of Michigan Medical School**, Ann Arbor, MI. Genetics Short course. November 6, 1995
2. **Mammalian DNA Repair Gordon Conference**. Ventura, CA. February 2-6, 1997
3. **Genetics Society of America Meeting on DNA Repair from Bacteria to Humans**. Arlington, VA. April 16-19, 1998
4. **Annual Radiation Research Society Meeting**, Louisville, KY. April 25-29, 1998
5. **EMBO Workshop on DNA recombination**. Domaine Seillac, France. May 24-29, 1998
6. **NCI Consortium on Fragile Sites**. The Mayo Clinic, Rochester, MN. September 17-18, 1998

7. **The 15th Radiation Biology Center International Symposium.** Kyoto, Japan. **Session Chairman.** *October 8-9, 1998*
8. **Cambridge Healthtech Institute's 2nd Annual Functional Genomics: "Application of Genomic Technologies to the Understanding of Biological Systems"**. Boston, MA *November 16-17, 1998*
9. **Mammalian DNA Repair Gordon Conference.** Ventura, CA. *February 7-12, 1999*
10. **EC Concerted Action on Human DNA repair Disorders.** Sussex University, UK. Workshop on unusual variants of DNA repair disorders. *March 27-30, 1999*
11. **AACR 90th Annual Meeting.** Philadelphia, PA. *April 11-12, 1999*
12. **Symposium on Cancer Genetics, University of Chicago,** Chicago, IL *May 12-14, 1999*
13. **ASM General Meeting,** Chicago IL. *May 30-June 3, 1999*
14. **FASEB meeting on Genetic Recombination & Genome Rearrangements,** Snowmass, CO. *August 7-12, 1999*
15. **ASM meeting "DNA Repair and Mutagenesis: Mechanism, Control, and Biological Consequences"**. Hilton Head, SC. *November 1-7, 1999*
16. **Stohlman Scholar Symposium sponsored by the Leukemia Society of America,** NYC, NY. *November 13, 1999*
17. **AACR Special Conference on DNA Repair Defects,** San Deigo, CA. *January 14-17, 2000*
18. **Gordon Conference on Cancer Genetics and Epigenetics,** Ventura, CA. *February 20-24, 2000*
19. **46th Annual Radiation Research Society Meeting,** Albuquerque, NM. *April 19-May 3, 2000*
20. **EMBO meeting on "Mechanisms and Consequences of Genetic Recombination",** Seillac, France. *May 22-26, 2000*
21. **65th Cold Spring Harbor Symposium on Quantitative Biology.** Cold Spring Harbor, NY. *May 31-June 6, 2000.*
22. **FASEB meeting on DNA Repair,** *June 17-23, 2000*
23. **Columbia University Biomedical Sciences Symposium.** Harriman, NY. *August 4-6, 2000.*
24. **UTSA "Cancer in Children and Adults: Advances in the Understanding of Basic Mechanisms"**. San Antonio, TX. *October 11-13, 2000*
25. **National Academy of Sciences meeting "Links Between DNA Recombination and Replication"**. The Beckman Center, Irvine, CA. *November 10-12, 2000*
26. **Gordon Conference on Mammalian DNA repair,** Ventura, CA. *January 19-23, 2001.*
27. **47th Annual Radiation Research Society Meeting.** San Juan, Puerto Rico. *April 22-26, 2001.*
28. **FASEB Meeting on DNA recombination.** Snowmass, CO. *July 21-25, 2001*
29. **AACR Annual Meeting.** San Fransisco, CA. *April 8, 2002*
30. **NIH.** Washington DC. *April 25, 2002*
31. **EMBO Workshop on "Mechanisms and Consequences of Genetic Recombination"**. Domaine Seillac France. *May 25-31, 2002*
32. **Meiosis Gordon Conference.** Manchester N.H. *June 16-18, 2002*
33. **Cold Spring Harbor Laboratory meeting "Cancer Genetics and Tumor Suppressor Genes"**. Cold Spring Harbor, NY. *August 14-18, 2002*
34. **Maintenance of Genomic Integrity meeting.** Houston, TX. *October 15-18, 2002*

35. **Cold Spring Harbor Laboratory “DNA Recombination and Repair”.** Cold Spring Harbor, NY. *October 20-23, 2002*
36. **R&D Systems, Inc.** Minneapolis, MN. *January 9, 2003*
37. **Gordon Conference on Radiation Oncology.** Ventura, CA. *Jan 26-31, 2003*
38. **Mount Sinai Hospital.** New York City, NY. *March 4, 2003*
39. **Cell Signaling Inc.** Boston, MA. *April 8, 2003*
40. **Claire Hall Laboratories.** London, UK. *May 29-31, 2003*
41. **Gene Center at University of Munich.** Munich, Germany. *June 1-2, 2003*
42. **Erasmus University of Rotterdam.** Rotterdam, The Netherlands. *June 2-4, 2003*
43. **FASEB meeting on DNA Recombination.** Snowmass, CO. *July 26-31, 2003*
44. **Hospital for Sick Children.** Toronto, Canada. *September 3, 2003*
45. **William Guy Forbeck Annual Forum.** Hilton Head, SC. *November 6-9, 2003*
46. **Instituto Juan March de Estudios e Investigaciones, workshop on “ Molecular Cross Talk Among Chromosome Fragility Syndromes”.** Madrid, Spain. *February 2-4, 2004*
47. **F.I.R.C. Institute of Molecular Oncology.** Milan, Italy. *February 5, 2004*
48. **Institute Curie.** Paris, France. *February 6, 2004*
49. **NIH/NIDDK.** Washington D.C. *March 22, 2004*
50. **DCB/NCI. “Cell Decisions in response to DNA damage think-tank”, Organizer.** Washington DC, *April 13-15, 2004*
51. **EMBO Workshop on Recombination Mechanisms.** Seillac, France. *May 24-28, 2004*
52. **C.N.R.S. Jacques Monod Conference.** Morlaix, France. *October 2-6, 2004*
53. **NHGRI.** Washington D.C. *November 4, 2004*
54. **ASM conference on DNA repair & Mutagenesis: From Molecular Structure to Biological Consequences.** Hamilton, Bermuda. *November 16-20, 2004*
55. **AACR Special Conference on Cell Cycle of Cancer: Pathways and Therapies.** Ft. Lauderdale, FL. *December 1-5, 2004*
56. **Instituto Juan March de Estudios e Investigaciones.** Madrid, Spain. *December 13-15, 2004*
57. **Keystone Special Symposium on Mechanisms of DNA Replication and Recombination.** Keystone, CO. *January 5-11, 2005.*
58. **CRU-UK-SKI. Memorial Sloan-Kettering Cancer Center.** New York, NY. *May 19-20, 2005*
59. **Hillman Cancer Centre,** Pittsburgh, PA. *May 24 2005*
60. **ATW 2005 - The 2005 International Workshop on Ataxia Telangiectasia ATM.** Lago Maggiore, Italy. *June 8 –11, 2005*
61. **FASEB Conference on Genetic Recombination and Genome Rearrangements.** Snowmass, CO. *July 23 – 28, 2005*
62. **Benzon Symposium No.52 Cellular Responses to DNA Damage.** Copenhagen, Denmark, *August 22 -25, 2005*
63. **The Salk Institute.** La Jolla, CA. *September 9 2005*
64. **5th Annual 3R symposium. Replication, Recombination, Repair.** Hyogo, Japan. *November 13–17, 2005*
65. **Mayo Clinic College of Medicine,** Rochester, Minnesota, *March 6, 2006*
66. **EMBO Workshop on DNA recombination.** Domaine Seillac, France. *May 16-22, 2006*
67. **CCNY Cancer Symposium,** New York, NY *December 1, 2006*

68. **R&D Systems Inc.**, Minneapolis, MN. *December 6, 2006*
69. **CRUK-III-SKI**. London. *May 19-22, 2007*
70. **FASEB meeting on Genetic Recombination**. Snowmass Village, CO. *July 28-August 2, 2007*
71. **CNIO (Centro Nacional de Investigaciones Oncologicas)** Madrid, Spain. *November 5-7, 2007*
72. **R&D Systems Inc.**, Minneapolis, MN. *March 27, 2008*
73. **EMBO Conference on Recombination Mechanisms**. Tuscany, Italy. *May 19-23, 2008*
74. **The Salk Institute**. La Jolla, CA. *July 18-22, 2008*
75. **Joint Research Workshop of the IAS & ISF on Genome Stability in Health and Disease**. Jerusalem. *September 21-25, 2008*
76. **NIH**. Washington, DC. *November 10, 2008*
77. **NIH**. Washington, DC. *February 9-10, 2009*
78. **Keystone Symposium on Genome Instability and DNA Repair**. Taos, New Mexico. *March 2-7, 2009*.
79. **R&D Systems, Inc.** Minneapolis, MN. *March 31, 2009*
80. **Cantoblanco Workshop on Molecular Mechanisms of Genomic Stability**. Madrid, Spain. *May 9-14, 2009*.
81. **A Symposium on Genomic Integrity**. Memorial Sloan Kettering Cancer Center. *May 28-29, 2009*.
82. **FASEB meeting on Genetic Recombination**. Snowmass Village, CO. *August 3- August 8, 2009*
83. **Cold Spring Harbor Laboratory "STARR Cancer Consortium"**. Cold Spring Harbor, NY. *September 21-22, 2009*
84. **AACR Annual Meeting**. Dallas Fort Worth Texas. *February 27-March 2, 2010*
85. **ABCAM**. Antigua. *March 8-11, 2010*
86. **AT International Workshop**. Redondo Beach, CA. *April 11-13, 2010*
87. **EMBO Conference on Recombination Mechanisms**. Tuscany, Italy. *May 17-21, 2010*
88. **Ohio State University**. *Petalonia Fellowship Program. Columbus Ohio. June 1, 2011*
89. **Genome Dynamics in Neuroscience**, Brighton, England. *July 18-21, 2010*
90. **Cancer Research UK**. London. *November 2, 2010*
91. **University of Michigan. Cancer Center Fall Research Symposium**. Ann Harbor MI. *November 12, 2010*
92. **Telomere and Telomerase Dysfunction in Cancer**. Bethesda, MD. *December 8-9, 2010*
93. **SKI-CRUK V. Genome Instability**. London. *May 18-21, 2011*
94. **ASM (American Society for Microbiology) Manipulation of Nuclear Proceses by DNA Viruses**. *October 23-26, 2011*
95. **University of Vermont. Clinical and Translational Research Symposium**. *November 10, 2011*
96. **Western Ontario University. 1st Canadian Symposium on Telomeres and Genome Integrity**. *May 10-12, 2012*
97. **EMBO Workshop on Recombination Mechanisms**. Jerez, Spain. *May 21-25, 2012*
98. **Barcelona BioMed Conference**. Barcelona, Spain. *May 28-31, 2012*
99. **EMBO meeting on "Telomeres and the DNA Damage Response"**. L'Isle sur la Sorgue, France. *October 2-6, 2012*

100. **Mammalian DNA Repair Gordon Conference.** Ventura, CA. *February 10-13, 2013*
101. **SKI-CRUK VI. Meeting on Genome Integrity.** New York, NY. *May 15-17, 2013*
102. **FASEB meeting on Genetic Recombination.** Snowmass Village, CO. *July 21-26, 2013*
103. **EMBO Conference on The DNA Damage Response in Cell Physiology and Disease.** *Grecootel Cape Sounio, Greece. October 6-11, 2013*
104. **Columbia University. P53 Meeting.** New York, NY *February 24, 2014*
105. **Institut Paster, Paris France.** *March 20, 2014*
106. **AACR Annual Meeting.** San Diego, CA. *April 5-9, 2014*
107. **ABCAM.** Alicante, Spain. *May 19-23, 2014*
108. **Keystone Symposium on DNA Replication and Recombination/Genomic Instability and DNA Repair.** Whistler, British Columbia. *March 1-5, 2015*
109. **FASEB Meeting on Genetic Recombination.** Steamboat Springs, CO. *July 19-24, 2015*
110. **University of California, Davis.** Mechanisms of Genome Maintenance. *February 11-14, 2016*
111. **ABCAM - Mechanisms of Recombination.** Alicante, Spain. *May 16-20, 2016*
112. **Cold Spring Harbor Laboratory Meeting.** "DNA Metabolism, Genome Stability, and Human Disease". Suzhou, China. *June 13-17, 2016*
113. **AACR Annual Meeting.** Montreal Canada. *November 3-5, 2016*
114. **ATW 2017 - 2017 International Workshop on Ataxia Telangiectasia ATM.** Milan, Italy. *March 20-24, 2017*
115. **FASEB Meeting on Genetic Recombination.** Steamboat Springs, CO. *July 16-21, 2017*
116. **University of North Carolina. Lineberger Symposium.** North Carolina. *April 2, 2018*
117. **ABCAM.** London, England. *May 18-23, 2018*
118. **FASEB Meeting on Genetic Recombination.** Steamboat Springs, CO. *July 14-19, 2019*
119. **EMBO Conference on "Organization of bacterial and eukaryotic genomes by SMC complexes",** Vienna, Austria, *2019*
120. **Intersection Science Fellows Symposium,** MSK, January 6, 2021
121. **ESI MIRA (R35) Review Panel-** Virtual Meeting, March 29, 2021
122. **Basser Center SAB Meeting,** Penn Medicine, May 10, 2021

Invited Presentations at Other Universities

1. **Southwest Foundation for Biomedical Research,** San Antonio, TX. *December 9, 1994*
2. **St. Louis University Medical School,** St. Louis, MO. *January 10, 1996*
3. **Vanderbilt University Medical School,** Nashville, TN. *January 11, 1996*
4. **The University of Chicago,** Chicago, IL. *November 5, 1996*
5. **The University of Toronto Hospital for Sick Children,** Toronto, ONT. *November 20, 1996*
6. **University of California at San Francisco,** San Francisco, CA. *February 8, 1997*
7. **Memorial Sloan Kettering Cancer Institute,** NYC, NY. *March 7, 1997*
8. **University of Cincinnati,** Cincinnati, OH. *April 16, 1997*
9. **ICOS Corporation,** Seattle. WA. *April 21, 1997*
10. **Fred Hutchinson Cancer Center,** Seattle, WA. *April 23, 1997*
11. **Columbia University,** New York, NY. *May 11, 1998*

12. **Baylor College of Medicine**, Houston, TX. *August 31, 1998*
13. **University of Washington**, Seattle, WA. *October 28, 1998*
14. **Columbia University Medical School**, NYC, NY. *November 4, 1998*
15. **Rockefeller University**, New York, NY. *November 18, 1998*
16. **Medical College of Wisconsin**, Milwaukee, WI. *January 12, 1999*
17. **Dana-Farber Cancer Institute**, Boston, MA. *January 19, 1999*
18. **University of Michigan Medical School**, Ann Arbor, MI. *March 5, 1999*
19. **University of Texas Health Sciences Center at San Antonio**. San Antonio, TX. *March 9, 1999*
20. **Emory University**, Atlanta, GA. *June 3, 1999*
21. **Vanderbilt University**, Nashville, TN. *June 11, 1999*
22. **University of North Carolina**, Chapel Hill, NC. *September 15, 1999*
23. **University of Chicago**, Chicago, IL. *October 13, 1999*
24. **The Van Andel Institute**, Grand Rapids, MI. *March 15, 2000*
25. **The University of Cincinnati**, Cincinnati, OH. *March 16, 2000*
26. **Columbia University**. New York, NY. *September, 2000*
27. **Yale University**. New Haven, CT. *September 29, 2000*
28. **Stanford University**. Palo Alto, CA. *January 25, 2001*
29. **Vanderbilt University**, Nashville, TN. *February 21, 2001*
30. **Sloan-Kettering Cancer Institute**, New York City, NY. *March 12, 2001*
31. **St. Jude's Memorial Research Institute**. Memphis, TN. *March 16, 2001*
32. **The Rockefeller University**. New York, NY. *June 1, 2001*
33. **Wistar Institute**. Philadelphia, PA. *March 20, 2002*
34. **Virginia University**. Charlottesville, VA. *September 3-4, 2002*
35. **University of Massachusetts Medical School**. Worcester, MA. *November 19-20, 2002*
36. **The Salk Institute of Biological Studies**. La Jolla, CA. *December 12, 2002*
37. **Brandeis University**. Waltham, MA. *March 18-19, 2003*
38. **Sloan-Kettering Cancer Center**. New York, NY. *March 24, 2003*
39. **University of Pennsylvania**. Philadelphia, PA. *April 15, 2003*
40. **Baylor College of Medicine**. Houston, TX. *June 24, 2003*
41. **University of New Mexico**. Albuquerque, NM. *December 1, 2003*
42. **University of Maryland**. Baltimore, MD. *September 14, 2004*
43. **City University of New York**. New York, NY. *October 28, 2004*
44. **Ordway Research**. Albany, NY. *December 9, 2004*
45. **University of Massachusetts**. Amherst, MA. *March 14th, 2005*
46. **Brandeis University**. Waltham, MA. *April 6th, 2005*
47. **University of Chicago**, Chicago, IL. *April 25th, 2005*
48. **Vanderbilt University**, Nashville, TN. *May 4th, 2005*
49. **NYU School of Medicine Chromatin Club Meeting**, New York, NY. *October 18th, 2005*
50. **University of Wisconsin**. Madison, WI. *December 7th, 2005*
51. **University of Connecticut**, Farmington, CT. *January 11th, 2006*
52. **Jackson Laboratory**, Bar Harbor, ME. *June 15, 2006*
53. **University of Pennsylvania**, Philadelphia. *September 12, 2006*

54. **Cornell University**, Ithaca, NY. *November 6, 2006*
55. **University of California**, Davis, CA. *December 7, 2006*
56. **University of Texas**, Smithville, TX. *March 6-8, 2007*
57. **Washington University**, St. Louis, MO. *April 3-4, 2007*
58. **University of Sussex**, Brighton, England. *May 23-24, 2007*
59. **IRB (Institute for Research in Biomedicine)**, Barcelona, Spain. *November 2-4, 2007*
60. **Vanderbilt University**, Nashville, TN. *December 5-7, 2007*
61. **Institut Curie**, Paris, France. *January 4, 2008*
62. **Ontario Cancer Institute**, Toronto, Canada. *March 5-7, 2008*
63. **Drexel University**, Philadelphia PA. *May 1, 2008*
64. **University of Maryland**, Baltimore, Maryland. *December 10, 2008*
65. **University of Minnesota**, Minneapolis, MN. *April 1, 2009*
66. **University of Wisconsin**. Madison, WI. *September 15-16, 2009*
67. **Yale University**. *New Haven CT. January 14, 2010*
68. **Wistar Institute**. Philadelphia, PA. *March 24, 2010*
69. **University of Zurich**. *Zurich, Switzerland. November 4, 2010*
70. **Friedrich Miescher Institute for Biomedical Research (FMI)**. *Basel, Switzerland. November 5, 2010*
71. **NYU School of Medicine**. *Grand Rounds. New York, NY. April 1, 2011*
72. **MD Anderson Cancer Center**. *Houston Texas. September 14, 2011*
73. **Dana-Farber Cancer Institute**, *Boston, MA. January 10, 2012*
74. **University of Pennsylvania**, *Philadelphia. May 8, 2012*
75. **Washington University**, *St. Louis MO. September 2-4, 2012*
76. **Baylor College of Medicine**, *Houston, TX. April 8-9, 2013*
77. **Gene Center at University of Munich**. *Munich, Germany. June 24, 2013*
78. **University of Michigan Medical School**. **Heritage Lecture**, *Ann Arbor, MI. November 21, 2013*
79. **Yale University**. *New Haven, CT. November 6, 2014*
80. **Ontario Cancer Institute**, *Toronto, Canada. March 12, 2015*
81. **Mount Sinai School of Medicine. Department of Oncological Sciences**. *New York, NY. September 8, 2015*
82. **University of Calgary**. *Calgary, Canada. November 13, 2015*
83. **MD Anderson Cancer Center**. **Blaffer Lecture**. *Houston Texas. December 7-9, 2015*
84. **University of Miami**. *Miami, Florida. December 16-18, 2015*
85. **University of New Mexico**. *Albuquerque, NM. February 23, 2016*
86. **Vanderbilt University**. *Nashville TN. October 16, 2016*
87. **McGill University**. *Montreal Canada. November 2, 2016*
88. **UT Southwestern Medical Center**. *Dallas, Tx. February 6-7, 2017*
89. **University of California, Davis**. *April 26-28, 2017*
90. **Rutgers Cancer Institute of New Jersey, Grand Rounds**. *New Brunswick, NJ. September 20, 2017*
91. **Fels Institute for Cancer Research and Molecular Biology, Temple University**, *Philadelphia, PA. November 7, 2017*

92. **University of Hawaii – Weinman Symposium**, Honolulu Hawaii, *November 28th – December 3rd, 2018.*
93. **MD Anderson Cancer Center.** SBDR Webinar. Via Zoom. *September 15, 2020*
94. **University of Pennsylvania.** AFCRI Seminar Series. Via Zoom. October 6, 2020
95. **Hamad Bin Khalifa University, Qatar.** CHLS Seminar Series. Via Zoom. October 28, 2020
96. **Pace University, Biochemistry and Molecular Biology Seminar**, March 18, 2021
97. **University Hospital Bonn (UKB), Germany**, November 4, 2021
98. **University of California, Davis, CA.** April 24-26, 2022