

KENNETH IRA BERNS

Marital Status: Married - Laura Louise Lawless, 1964

Children: Jonathan Charles, March 3, 1968
Deborah Louise, August 2, 1970

EDUCATION

Harvard University (Biochemical Sciences)	September, 1956 - June, 1959
A.B. with General Honors (Biology), Johns Hopkins University	June, 1960
Ph.D., Biology (Biochemistry), Johns Hopkins University Thesis: Isolation and Purification of High Molecular Weight DNA from <i>Haemophilus influenzae</i> (awarded distinction)	November, 1964
M.D., Johns Hopkins University	June, 1966
Intern, Pediatrics, Harriet Lane Service, Johns Hopkins Hospital	1966-1967

POSITIONS HELD

2012-	Distinguished Professor Emeritus of Molecular Genetics and Microbiology, University of Florida, Gainesville, Florida
2003-2012	Director of Genetics Institute, Professor of Molecular Genetics and Microbiology, and Professor of Pediatrics, University of Florida, Gainesville, Florida
2002-2003 (Aug)	Professor of Microbiology and of Gene Therapy and Molecular Medicine, Mount Sinai School of Medicine, New York, New York
2002-2003	President and Chief Executive Officer, Mount Sinai Medical Center, Chief Executive Officer, Mount Sinai Hospital, Chief Executive Officer Mount Sinai School of Medicine, New York, New York
2000-2002	Vice President for Health Affairs, University of Florida, Gainesville, Florida
1998-2000	Interim Vice President for Health Affairs, University of Florida, Gainesville, Florida
1997-2002	Dean, College of Medicine, Professor of Molecular Genetics and Microbiology, and Professor of Pediatrics, University of Florida, Gainesville, Florida
1984-1997	R.A. Rees Pritchett Professor and Chairman, Department of Microbiology and Professor, Department of Pediatrics, Cornell University Medical College, New York, New York
1976-1984	Professor and Chairman, Department of Immunology and Medical Microbiology, and Professor, Department of Pediatrics, College of Medicine, University of Florida, Gainesville, Florida

1982-1983	Fogarty Senior International Fellow with Dr. Ernest Winocour, Virology Department, The Weizmann Institute of Science, Rehovot, Israel
1973-1976	Director of the Year I Program, Johns Hopkins University School of Medicine
1974-1976	Associate Professor of Microbiology, Johns Hopkins University School of Medicine
1970-1976	Assistant Professor of Pediatrics, Johns Hopkins University School of Medicine
1970-1974	Assistant Professor of Microbiology, Johns Hopkins University School of Medicine
1968-1970	Staff member, Laboratory of Biology of Viruses. National Institute of Allergy and Infectious Diseases, National Institutes of Health
1967-1968	Staff Associate, Laboratory of Biochemistry and Metabolism, National Institute of Arthritis and Metabolism, NIH. Worked with Dr. Arthur Weissbach.

MILITARY SERVICE

April - December 1966	Junior Assistant Health Service Officer, USPHS, Inactive Reserve
December 1966 - June 1967	Senior Assistant Surgeon, USPHS, Inactive Reserve
July 1, 1967 - June 30, 1970	Surgeon, USPHS, Active Duty
June 30, 1970 - April 1998	Senior Surgeon, USPHS, Inactive Reserve

SOCIETIES

American Academy of Microbiology (Fellow) (Board of Governors, 2003-2006)	
American Society for Microbiology	1969-Present
President	1996-97
President Elect	1995-96
Board of Public and Scientific Affairs - Chairman	1989-95
Chairman, Committee on Medical Microbiology & Immunology	1984-89
Chairman, Committee on Biodefense	2010-present
Chairman, Division of DNA Viruses	1984
President-elect, Florida Branch	1984
American Society for Virology	1980-Present
President	1988
Program Chairman	1986-87
Member, U.S. National Committee for the International Union of Microbiological Sciences	2000-04
American Society for Biochemistry and Molecular Biology	
Association of American Medical Colleges	1982-Present
Chair	1994-95
Executive Committee	1991-92, 1993-96
Executive Council	1990-96
Council of Academic Societies	1984-97
Chairman	1991-92
Administrative Board	1988-93
Council of Deans	1997-2002
Biomedical Research Prize Committee	1987, 2000
Task Force on AIDS and the Academic Health Center	1988-89

Advisory Panel on Biomedical Research	1991-98
Chairman	1994-98
Advisory Panel on the Future of Medical Schools (ex officio)	1994-96
Association of Medical School Microbiology and Immunology Chairs	1976-1997
President	1985
Counselor	1980-83
Committee on Public Policy (Chairman)	1978-97
CAS Representative	1986-97
Florida Association of Basic Medical Scientists, Inc.	1998-2002
Florida Medical Association, Inc.	
Committee on Medical Schools	1997-2002
Council on Medical Education and Science (<i>ex-officio member</i>)	1997-2002
Harvey Society of New York	
President	1991
Vice President	1990
New York Academy of Medicine (Fellow)	1990-Present
	Board of Trustees
Society for General Microbiology (U.K.)	1979-Present
Society for Pediatric Research	1980-90

HONORS AND FELLOWSHIPS

Distinguished Alumnus, Johns Hopkins University	2015
Honorary Alumnus, University of Florida	2012
Who's Who in the World	2000
Member, Cosmos Club	1990
Society of Teaching Scholars, University of Florida College of Medicine	2006
Johns Hopkins University Board of Trustees	2000-2006
Johns Hopkins Institute for Basic Biomedical Sciences Advisory Council	2004-
Distinguished Service Member, Association of American Medical Colleges	2003
Distinguished Career Research Award, University of Florida College of Medicine	2002
The Bagnor/Shands Professorship, University of Florida College of Medicine	9/1/00-2002
Fellow, American Association for the Advancement of Science	2000
Member, Johns Hopkins University, Alpha Omega Alpha	2000
Member, Johns Hopkins Society of Scholars	1999
Member, American Clinical & Climatological Association	1999
Honorary Fellow, Cornell University Medical College Alumni Association	1996
National Academy of Sciences	1995
Distinguished Service Award, National Board of Medical Examiners	1995
Institute of Medicine/NAS	1992
NIH Merit Award	1989-99
Chairman, Gordon Conference on Animal Cells and Viruses	1987
Fogarty Senior International Fellowship	1982-83
Guggenheim Fellowship (Offered, not accepted)	1982-83
Phi Kappa Phi	1982
Who's Who in America	1982
Fellowship in American Academy of Microbiology	1979
American Cancer Society Faculty Research Award	1975-76
Howard Hughes Medical Investigator	1970-75
Fellow in Pediatrics, Johns Hopkins University	1966-67
Sigma Xi	1964
Shell Oil Fellowship	1963-1964
NIH Predoctoral Fellowship (declined)	1963

Phi Beta Kappa	1960
NSF Undergraduate Research Fellowship	June-Sept 1959
National Merit Scholar (Sears)	1956-1960

UNIVERSITY COMMITTEES

Cornell University Medical College

Committee to Evaluate the Curriculum	1995-97
Research Planning Committee	1994-96
Executive Faculty Council	1984-97
Committee on Conflict of Interest	1992-97
Biochemistry Chair Search Committee, Chairman	1991
Joint Board Strategic Planning Committee	1991
Strategic Planning Committee	1990-91
Medicine Chair Search Committee	1989-90
Dean, Graduate School of Medical Sciences Search Committee	1989
Hirschl Scholar Selection Committee	1988-89
LCME Accreditation Steering Committee	1987-88
Dean Search Committee	1987, 1991
Committee to Study Tenure and Promotion	1987-88
Pharmacology Chair Search Committee	1987-89, 1989-90
Faculty Council - Executive Faculty Council Representative	1985-88
Future of Public Health Committee	1985
Committee of Review (Chair)	1994-97
Executive Committee - Graduate School of Medical Sciences	1984-97
Committee on Tenure and Promotion	1984-88
Curriculum Committee	1984-97

University of Florida

Medical Selection Committee	2007-2013
Institutional Biosafety Committee	2007-present
Honorary Degrees Committee	2007-2010
Search Committee for Dean of the College of Medicine	2006-2007
LCME Self-Study Task Force 'Information Resources and Library Services' Co-chair	2005
Harn Museum Faculty Council	2005-2008
Department of Surgery Research Advisory Committee	2005 -
External Scientific and Program Advisory Committee, U24 Infrastructure Award, Department of Oral Biology	
HealthNet Public Service Commission	2004 -
Internal Advisory Committee for the Specialized Center in Oral, Dental and Craniofacial Research	2003 -
University of Florida-Shands Cancer Center, Internal Advisory Board	2003-
Search Committee for President, Chairman	2000
Southeastern Healthcare Foundation, Inc., Chairman	1999-2002
Shands HealthCare Board of Directors, Chairman	1998-2002
University Research Policy Council (ex-officio)	1998-2002
College of Medicine Executive Committee, Chairman	1997-2002
Faculty Group Practice Board of Directors, Co-Chairman	1997-2002
Search Committee for Vice President for Research, Dean of Graduate School, Chairman	1998-1999
College of Medicine, Associate Professor Promotion and Tenure Committee, Chairman	1982
University Honorary Degrees Committee	1981-82
Search Committee for Vice President for Health Affairs	1980-81
Search Committee for Dean, College of Medicine	1980
Search Committee for Dean of the Graduate School and Director of Division of Sponsored Research	1979
Board of Directors Sponsored Research	1979-82
Biological Sciences representative - DSR Seed Money Competition Central Committee	1977

Search Committee for Chairman of Biochemistry and Molecular Biology	1978-79
Basic Science Board, Chairman	1978-82
Search Committee for Chairman of Pharmacology and Therapeutics, Chairman	1977
Promotion and Tenure Committee	1977
College of Medicine Executive Committee	1976-84

EXTRAMURAL RESPONSIBILITIES

Gainesville Rotary Club (Global Scholar Committee)	
Retired Faculty Univ. FL. (President 2015-16)	
Harn Museum National Council (Chair 2013-2016)	
ACORN Clinic Board (President 2014,2015)	
US National Committee to Certify Containment of Poliovirus 2 (Chair)	2016
Advisory Committee to Director CDC	2014-18
NRC Committee on PCR Standards for the Biowatch Program, co-Chair	2014-15
IOM committee on Oversight and Review of Clinical Gene Transfer Protocols	2012-13
Homeland Security Institute	
Interagency Validated Sampling Plan Working Group Executive Review Panel(VSPWG ERP)	2007-2009
National Science Advisory Board for Biosecurity (NSABB)	2008-2016
Ad Hoc Reviewer, NIDCR Board of Scientific Counselors, NIH	2008
Reviewer, University of Maryland Biotechnology Institute	2008
Reviewer, Helmholtz Program "Cancer Research"	2008
Reviewer, German Cancer Research Center (DKFZ) Infection and Cancer Program	2007
Laboratory Response Network Reviewer for Center for Disease Control and Prevention (CDC)	2007
Speaker and Convener, American Society for Microbiology 107 th General Meeting	2007
NSABB Oversight Framework Development Working Group	2007
NIH ZRGI GGG-S Special Emphasis Panel (Neuroscience)	2007
<i>Genetic Testing</i> , Editor-in-Chief	2006-
Rosalind Franklin Society Founding Board Member	2006-
Reviewer, Texas Research Assessment Program	2006
HIG ZRGI GTIE (01) Gene Therapy and Inborn Errors Study Section Reviewer	2006, 2007
University of Maryland School of Medicine Dept of Microbiology & Immunology Review, Chair	2006
NIDDK Board of Scientific Counselors, ad hoc member	2005
Committee for Research Evaluation (CIVR) Board of Experts (Italy)	2005
Committee on Standards and Policies for Decontaminating Public Facilities Affected by Exposure to Harmful Biological Agents; How Clean is Safe (NRC), Chair	2003-2005
National Vaccine Advisory Committee	
Subcommittee on Containment of Poliovirus in the Laboratory (ASM representative)	2003-2004
Human Gene Therapy, Associate Editor	2003-present
NIH - National Advisory Research Resources Council	1999-2003
Member, Johns Hopkins University Board of Trustees	2000-06
Johns Hopkins University Institute for Basic Biomedical Sciences Advisory Council	2004-present
Research! America Board of Directors	2000-03
Biomedical Research Advisory Council (Chair) – State of Florida	2000-02
Community Hospital Education Council – State of Florida	1998-01
University of Maryland School of Medicine Basic Science Dept. Review	2001
University of Louisville Graduate Program Reviewer	2001
International Committee on Taxonomy of Viruses	
Parvovirus Working Group	1981-97
Chair	1993-97
<i>Journal of Virology</i> , Editorial Board	1980-97, 2000-06
<i>Virus Genes</i> , Editorial Board	1990-97
United States Medical Licensing Examination - Composite Committee	1995-98
<i>Infectious Agents and Disease</i> , Editorial Board	1994-97

<i>Virology</i> , Associate Editor	1982-97
NIH National Institute of Allergy and Infectious Diseases, Board of Scientific Counselors	1992-96
American Type Culture Committee, Virology Review Committee, Chair	1992, 1996
Mt. Sinai Medical School, Department of Microbiology, External Reviewer	1995
University of Alabama Birmingham School of Medicine, Visiting Committee	1995
Robert Wood Johnson Medical School, Department of Microbiology, External Reviewer	1994
International Union of Microbiological Societies, Vice President	1990-94
U.S. National Committee, Virology (National Research Council), Member	1988-94, 2001-05
National Board of Medical Examiners Vice Chairman	1991-95
Executive Board	1987-91
Chairman, Microbiology Test Committee	1984-87
Microbiology Test Committee	1979-82
<i>Journal of Biological Chemistry</i> , Editorial Board	1989-92
National Institute of Health, Task Force on Strategic Plan (Molecular Medicine)	1992
Board of Army Science and Technology, National Research Council	
Panel on Chemical Research, Development and Engineering, Member	1987-89, 1990-92
University of Virginia, Department of Microbiology, External Reviewer	1992
Liaison Committee on Medical Education	1990-93
University of Pennsylvania School of Medicine, Department of Microbiology, External Reviewer	1991
University of Michigan, Department of Microbiology, External Reviewer	1991
AAMC Kaiser Foundation Committee to review Harvard Medical School-New Pathway Program	1987-91
West Virginia University School of Medicine, Department of Microbiology, External Reviewer	1990
<i>DNA Section Intervirology</i> , Editor	1985-90
National Advisory Council, NIAID, Ad Hoc Member	1990
American Cancer Society Review Panel on Virology and Microbiology	1985-89
Chairman	1988-89
NIH Virology Study Section	1985-89
NIH NIAID, Board of Scientific Counselors, Ad Hoc Member	1981, 1982, 1989
National Cancer Institute, Site Visitor	1975, 1984, 1989
National Science Foundation, Genetic Biology Panel	1981-85
Showa University Research Institute for Biomedicine in Florida, Science Advisory Board, Member	1983-85
VA Hospital, Gainesville, Florida, Consultant	1978-84
Chairman, Research Review Committee	
NIH Recombinant DNA Advisory Committee	1980-83
Chairman	1983
Chairman, Working Group on Large Scale Applications	1982-83
CDC Guidelines on Use of Infectious Agents in Biomedical Laboratories	
Chairman, Board of Editors	1981-83
Department of Biological Sciences, Florida State University, External Reviewer	January, 1981
US-Japan Cooperative Program on Recombinant DNA, Delegate	
Honolulu	February 1981
Bethesda	November 1981
Tokyo	August 1984
National Institute of General Medical Sciences, Site Visitor	1980
University of Tennessee Medical Center, Memphis Tennessee	
Graduate Program in Microbiology, External Reviewer	November, 1979

Ph.D. STUDENTS CHAIRED

Hubert W. Gerry M.D.	Johns Hopkins University	Ph.D., graduated June 1974
Paul Geshelin, M.D.	Johns Hopkins University	Ph.D., graduated June 1974
Kenneth H. Fife, M.D.	Johns Hopkins University	Ph.D., graduated June 1974
Ilene Spear	Johns Hopkins University	Ph.D., graduated June 1977
Andrew Cheung	University of Florida	Ph.D., graduated March 1979

Jeffrey Ostrove	University of Florida	Ph.D., graduated December 1980
Verlia Cole Gower	University of Florida	M.S., graduated September 1981
Mark Rayfield	University of Florida	Ph.D., graduated December 1982
Roy Bohenzky	University of Florida	Ph.D., graduated November 1987
Mark Labow	University of Florida	Ph.D., graduated June 1987
Christopher Leonard	Cornell University Medical College	Ph.D., graduated October 1993
Guangyuan Hong	Cornell University Medical College	Ph.D., graduated November 1993
Miroslav Djokic	Cornell University Medical College	M.S., graduated June 1996
Patricio Meneses	Cornell University Medical College	Ph.D. graduated June 1999
Shyam Daya	University of Florida	Ph.D., graduated May 2009

PRESENT GRANT SUPPORT

Co-Investigator - NIH - P01 DK58327 (Flotte, PI) Recombinant AAV for correction of genetic abnormalities (Project II) 7/1/06 – 6/30/10

Preceptor - NIH T32 EY07132 (Hauswirth, PI) Research Training in Vision Science, University of Florida Training Grant. Project Period: 9/30/99 – 9/29/09

PATENTS

Muzyczka N, Samulski RJ, Berns KI, Hermonant P. AAV Transduction Vectors. (U.S. Patent No. 5,139,941 issued August 18, 1992)

Berns, K., Kotin R, and Linden, M. Human Adeno-associated virus integration site DNA and uses thereof. (U.S. Patent #5,580,703 issued December, 1996).

PUBLICATIONS

1. Marmur J, Anderson WF, Matthews L, Berns KI, Gajewska E, Lane D and Doty P. (1961) The effects of ultraviolet light on the biological and physical chemical properties of deoxyribonucleic acids. *J. Cell. Comp. Physiol.* 58:33, Suppl. 1.
2. Thomas CA, Jr. and Berns KI (1961) The physical characterization of DNA molecules released from T2 and T4 bacteriophage. *J. Mol. Biol.* 3:277.
3. Berns KI and Thomas CA, Jr. (1961) A study of single polynucleotide chains derived from T2 and T4 bacteriophage. *J. Mol. Biol.* 3:289.
4. Thomas CA, Jr. and Berns KI (1962) The utility of formaldehyde in stabilizing polynucleotide chains from bacteriophage DNA. *J. Mol. Biol.* 4:309.
5. Berns KI and Thomas CA, Jr. (1965) Isolation of high molecular weight DNA from Hemophilus influenzae. *J. Mol. Biol.* 11:476
6. McHattie LA, Berns KI and Thomas CA, Jr. (1965) Electron microscopy of DNA Hemophilus influenzae. *J. Mol. Biol.* 11:648.
7. Thomas CA, Jr., Berns KI and Kelly T. (1966) Isolation of high molecular weight DNA from bacteria and cell nuclei. In *Procedures in Nucleic Acid Research*, Vol. I (G. Cantoni and D.K. Davies, eds.) Harper and Rowe, New York, pp. 535-543.
8. Berns KI, Silverman C and Weissbach A. (1969) Separation of a new deoxyribonucleic acid polymerase from vaccinia-infected HeLa cells. *J. Virol.* 4:15.

9. Rose JA, Berns KI, Hoggan MD and Koczot FJ. (1969) Evidence for a single-stranded adenovirus-associated virus genome: Formation of a DNA density hybrid on release of viral DNA. *Proc. Nat. Acad. Sci.* 64:863-869.
10. Berns KI and Silverman C. (1970) The natural occurrence of cross-linked vaccinia virus DNA. *J. Virol.* 5:299-304.
11. Berns KI and Rose JA. (1970) Evidence for a single-stranded adenovirus-associated virus genome: Isolation and separation of complementary single strands. *J. Virol.* 5:693-699.
12. Berns KI and Adler S. (1972) Separation of Two Types of Adeno-associated Virus Particles Containing Complementary Polynucleotide Chains. *J. Virol.* 9:394-396.
13. Gerry HW, Kelly TJ Jr. and Berns KI (1973) The arrangement of nucleotide sequences in adeno-associated virus DNA. *J. Mol. Biol.* 79:207-225.
14. Berns KI and Kelly TJ Jr. (1974) Visualization of the inverted terminal repetition in adeno-associated virus DNA. *J. Mol. Biol.* 82:267-271.
15. Berns KI (1974) Molecular biology of the adeno-associated viruses. *Current Topics in Microbiology and Immunology* 65:1-20.
16. Geshelin P and Berns KI (1974) Characterization and localization of the naturally occurring cross-links in vaccinia virus DNA. *J. Mol. Biol.* 88:785-796.
17. Berns KI, Pinkerton TC, Thomas GF and Hoggan MD. (1975) Detection of adeno-associated virus (AAV)-specific nucleotide sequences in DNA isolated from latently infected Detroit 6 cells. *Virology* 68:556-560
18. Berns KI, Kort J, Fife KH, Grogan EW and Spear I. (1975) A study of the fine structure of adeno-associated virus DNA using bacterial restriction endonucleases. *J. Virol.* 16:712
19. Carter BJ, Fife KH, de la Maza LM and Berns KI (1976) Genome localization of adeno-associated virus DNA. *J. Virol.* 19(3):1044-2053.
20. Berns KI (1977) Viral Replication. In *Pediatrics*, 16th Edition. (A.M. Rudolph, M.D., H.L. Barnett, M.D. and A.H. Einhorn, M.D., eds.) Appleton-Century-Crofts, New York, pp 512-515.
21. Fife KH, Berns KI and Murray K. (1977) Structure and nucleotide sequence of the terminal regions of adeno-associated virus DNA. *Virology* 78:475-487.
22. Hauswirth WW and Berns KI (1977) Origin and termination of adeno-associated virus DNA replication. *Virology* 78:488-499.
23. Spear I, Fife KH, Hauswirth WW, Jones C and Berns KI. (1977) Evidence for two nucleotide sequence orientation within the terminal repetition of adeno-associated virus DNA. *J. Virol.* 24(2):627-634.
24. Berns KI and Hauswirth WW. (1978) DNA structure and replication. In *Replication of Mammalian Parvoviruses* (D.C. Ward and P. Tattersall, eds.) Cold Spring Harbor Laboratory, New York, pp. 13-32.
25. Berns KI, Fife KH, Hauswirth WW and Spear I. (1978) Terminal structure of AAV DNA. In *Replication of Mammalian Parvoviruses* (D.C. Ward and P. Tattersall, eds.) Cold Spring Harbor Laboratory, New York, pp. 179-191.

26. Hauswirth WW and Berns KI (1978) Initiation and termination of AAV DNA replication. In *Replication of Mammalian Parvoviruses* (D.C. Ward and P. Tattersall, eds.) Cold Spring Harbor Laboratory, New York, pp. 257-267.
27. Berns KI, Hauswirth WW, Fife KH and Lusby E. (1979) Adeno-associated virus DNA replication. In Cold Spring Harbor Symposium on DNA replication, recombination and repair. Cold Spring Harbor Laboratory, New York, Volume XLIII, pp. 781-787.
28. Hauswirth WW and Berns KI (1979) Adeno-associated virus DNA replication: Non-unit length molecules. *Virology* 93:57-68.
29. Berns KI and Hauswirth WW (1979) Adeno-associated viruses. *Advances in Virus Research*, Vol. 25, pp. 407-449, Academic Press, New York.
30. Cheung AKM, Hoggan MD, Hauswirth WW and Berns KI (1980) Integration of the adeno-associated virus genome into cellular DNA in latently infected human Detroit 6 cells. *J. Virol.* 33:739-748.
31. Lusby E, Fife KH and Berns KI (1980) The nucleotide sequence of the inverted terminal repetition in adeno-associated virus DNA. *J. Virol.* 34:402-409.
32. Ostrove JM and Berns KI (1980) Adenovirus early region lb gene function required for rescue of latent adeno-associated virus. *Virology* 104:502-505.
33. Berns KI and Hauswirth WW (1980) Adeno-associated virus DNA replication. In *Mechanistic Studies of DNA Replication and Genetic Recombination*. Academic Press, Inc., New York, pp. 115-125.
34. Berns KI and Sternglanz R (1980) Workshop Summary: Replicating linear DNA molecules. In *Mechanistic Studies of DNA Replication and Genetic Recombination*. Academic Press, Inc., New York, pp. 25-28.
35. Berns KI and Cheung AK (1981) Latent infection of human cells by adeno-associated virus: Naturally occurring recombination between viral and human DNAs. In *Basic Research and Clinical Medicine* (S.P. Bralow, ed.) pp. 255-263, Hemisphere Publishing Corp.
36. Lusby EW, Bohenzky R and Berns KI (1981) The inverted terminal repetition in adeno-associated virus DNA: Independence of the orientation at either end of the genome. *J. Virol.* 37:0183-1086.
37. Ostrove JM, Duckworth DH and Berns KI (1981) Inhibition of adenovirus transformed cell oncogenicity by adeno-associated virus. *Virology* 113:521-533.
38. Slilaty SN, Berns KI and Aposhian HV (1982) Polyoma-like particle: Characterization of the DNA encapsulated *in vitro* by polyoma empty capsids. *J. Biol. Chem.* 257:6571-6575.
39. Lusby EW and Berns KI (1982) Mapping of the 5' termini of two adeno-associated virus 2 RNAs in the left half of the genome. *J. Virol.* 41:518-526.
40. Berns KI (1982) Adeno-associated virus latent infection., In *33rd Symposium of the Society for General Microbiology* (B.J.W. Mahy, A.C. Minson, and G.W. Darby, eds.) Cambridge University Press, Cambridge, England, pp. 249-265.
41. Samulski RJ, Berns KI, Tan M and Muzyczka N (1982) Cloning of AAV into pBR322: Rescue of intact virus from the recombinant plasmid in human cells. *Proc. Natl. Acad. Sci. USA* 79:2077-2081.

42. Berns KI and Hauswirth WW (1982) Parvovirus DNA replication. In *Organization and Replication of Viral DNA I* (A. Kaplan, ed.) CRC Press, Inc., Boca Raton, Florida, pp. 3-35.
43. Srivastava A, Lusby EW and Berns KI (1983) Nucleotide sequence and organization of the adeno-associated virus 2 genome. *J. Virol.* 45:555-564.
44. Samulski RJ, Srivastava A, Berns KI and Muzyczka N (1983) Rescue of adeno-associated virus from recombinant plasmids: Gene correction within the terminal repeats of AAV. *Cell* 33:135-143.
45. Berns KI (1983) Adeno-associated virus latent infection. In *Molecular Virology* (Y. Becker, ed.) pp. 115-125, S. Karger, Basel, New York.
46. Berns KI, Samulski RJ, Srivastava A and Muzyczka N (1983) Symmetry and self repair in adeno-associated virus DNA replication. In *UCLA Symposia on Molecular and Cellular Biology*. New Series Vol. X (N. Cozzarelli, ed.) Alan R. Liss, Inc., New York, New York, pp. 353-366.
47. Berns KI and Hauswirth WW (1983) Adeno-associated virus DNA structure and replication. In *The Parvoviruses*. (K.I. Berns, ed.) Plenum Press, New York, New York, pp. 1-32
48. Cukor G, Blacklow N, Hoggan MD and Berns KI (1983) Biology of adeno-associated virus. In *The Parvoviruses*. (K.I. Berns, ed.) Plenum Press, New York, New York, pp. 33-66.
49. Berns KI (1983) Cloning of the adeno-associated virus genome. In *Genetic Engineering and Principles*. Vol. 6 (J. Setlow and A. Hollaender, eds.) Plenum Press, New York, New York, pp. 1-16.
50. Berns KI (1983) *The Parvoviruses*. Plenum Press, New York, New York.
51. Berns KI (1984) Adeno-associated virus. In *The Adenoviruses*. (H. Ginsberg, ed.) Plenum Press, New York, p. 563.
52. Rand KH, Berns KI and Rayfield MA (1984) Recovery of Herpes Simplex Type I from the Celiac Ganglion After Renal Transplantation. *South Med J* 77:403-404.
53. Muzyczka N, Samulski RJ, Hermonat P, Srivastava A and Berns KI (1984) The genetics of adeno-associated virus. In *EMBO Workshop: Proteins Involved in DNA Replication*. (U. Hubscher and S. Spadari, Eds.) Plenum Press, New York.
54. Grossman Z, Winocour E and Berns KI (1984) Recombination between Simian Virus 40 and adeno-associated virus: Virion coinfection compared to DNA cotransfection. *Virology*, 134:125-137.
55. LeFebvre R, Riva S, and Berns KI (1984) Conformation takes precedence over sequence in adeno-associated virus DNA replication. *Molec. Cell. Biol.* 4:1416-1419.
56. LeFebvre R and Berns KI (1984) Unique Events in Parvovirus Replication. *Microbiol Sci* 1:163-167.
57. Hermonat PL., Labow MA, Wright R, Berns KI and Muzyczka N (1984) The genetics of adeno-associated virus: Isolation and preliminary characterization of mutants in AAV-2. *J. Virol.* 51:329-339.
58. Berns KI, Muzyczka N, and Hauswirth WW (1985) Parvovirus replication. In *Human Viral Diseases*. (B. Fields *et al.*, eds.) Raven Press, New York, New York, p. 52.
59. Siegl G, Bates RC, Berns KI, Carter BJ, Kelly DC, Kurstak E, and Tattersall P (1985) Characteristics and Taxonomy of Parvoviridae. *Intervirology*. 23:61-73.

60. Grossman Z, Berns KI, and Winocour E (1985) Structure of Simian Virus 40/Adeno-Associated Virus recombinant genomes. *J. Virol.* 56:457-465.
61. Labow M, Hermonat PL and Berns KI (1986) Positive and negative autoregulation of the adeno-associated virus Type 2 genome. *J. Virol* 60:251-258.
62. Bohenzky RA, LeFebvre RB. and Berns KI (1986) Replication of adeno-associated virus genomes with chimeric termini, in "Mechanisms of DNA replication and recombination" (R. McMacken & T.J. Kelly, Jr. eds) Alan R. Liss, N.Y., pp. 485-499.
63. Berns KI & Bohenzky RA (1987) Adeno-associated virus: An update. *Adv. Virus Res.*, Academic Press 32:243-306, Orlando, Florida.
64. Berns KI & Labow MA (1987) Parvovirus gene regulation. *J. Gen'l Virol.* 68:601-614.
65. Labow MA, Graf LH Jr. & Berns KI (1987) Adeno-associated virus gene expression inhibits cellular transformation by heterologous genes. *Mol. & Cell. Biology*, 7:1320-1325.
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