BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME	POSITION TITLE
Marshall Bloom	Chief, Biology of Vector Borne Viruses Section, Laboratory of Virology, DIR,NIAID Associate Director for Science Management, Rocky Mountain Laboratories,

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Washington University, St. Louis, MO	B.A	1967	Classics
Southern Methodist University, Dallas, TX	N/A	1968, 1969	Summer School
Washington University, St. Louis, MO	M.D.	1971	M.D.

A. Positions and Honors

Professional History

1971-1972 - St. Louis Children's Hospital, Pediatric Intern
1972-1975 - Research Associate, NIH, NIAID, Rocky Mountain Laboratories, Hamilton, MT
1975-1977 - Special NIAID Fellow, NIH, NIAID, Laboratory of Biology of Viruses, Bethesda, Maryland
Senior Staff Fellow, NIH, NIAID, Laboratory of Biology of Viruses, Bethesda, Maryland
1977-2007 - Medical Officer (Research), NIH, NIAID, DIR, Laboratory of Persistent Viral Diseases, Rocky Mountain Laboratories, Hamilton, MT
2002-2009 - Associate Director for Rocky Mountain Laboratories, NIH, NIAID, DIR
2006-2008 - Chief, Tick-Borne Flavivirus Pathogenesis Section, NIH, NIAID, DIR, Laboratory of Persistent Viral Diseases, Rocky Mountain Laboratories, Hamilton, MT
2005-2007 - Acting Chief of Laboratory of Human Bacterial Pathogenesis, Rocky Mountain Laboratories, NIH, NIAID, DIR
2007-2008 - Acting Chief of Laboratory of Virology, Rocky Mountain Laboratories, NIH, NIAID, DIR
2008-2014 - Chief, Tick-Borne Flavivirus Pathogenesis Section, NIH, NIAID, DIR, Laboratory of Virology, Rocky Mountain Laboratories, Hamilton, MT
2009-date- Associate Director for Science Management, NIH, NIAID, DIR, RML
2014-date - Chief, Biology of Vector-Borne Viruses Section, NIH, NIAID, DIR, Laboratory of Virology, Rocky Mountain Laboratories, Hamilton, MT

Relevant Activities and Accomplishments

1986-1994 -	Radiation Safety Officer, Chairman, Rocky Mountain Radiation Safety Committee, Hamilton, Montana
1992-2002 -	NIAID Introduction to Biomedical Research Program Steering Committee
1994-1999 -	Chairman, RML Animal Care and Use Committee
1994- date -	Coordinator of RML Summer Intern Program
1998-2002 -	Chairman, RML Seminar Committee
1998-2013 -	Editorial Board, *Virology*
1999-2004 -	RML Library Committee
1999-2005 -	Editorial Board, *Scientifur*
2002-2005 -	Intramural NIAID Research Opportunities (INRO) Steering Committee
2003- 2009 -	Chairman, RML Security Operations Advisory Committee
2002- date -	Chairman, RML Community Liaison Group
2002- 2007 -	Executive Steering Committee, RML Integrated Research Facility Construction Project
2002- date -	Member *ex officio* of RML Safety, Institutional Biosafety, Radiation Safety, Animal Care and Use Committees
2003- 2009 -	Chairman, RML Crisis Management Team
2003- 2008 -	Alternate Responsible Official, RML Select Agent Program
2003- 2007 -	Steering Committee, Package V Construction Project
2003- date -	Ravalli County Local Emergency Preparedness Committee
2003- date -	Ravalli County Emergency Preparedness & Planning Task Force
2003-date -	Chairman, RML Biological Exposure Assessment Program
2004- 2011 -	State of MT Anti-Terrorism Advisory Committee
2004- 2011 -	State of MT Public Health Emergency Preparedness Advisory Committee
2004- 2008 -	Steering Committee, RML Building 31 Construction Project
2005- 2009 -	Executive Steering Committee, RML/NIH Master Plan Project
2005- date -	Ravalli County Health Emergency Advisory Team
2008- date-	Montana University System Science and Technology Committee
2009- 2016	Chairman, RML BSL-4 Planning, Implementation and Logistics Team
2010- date-	Chairman, RML BSL-3 Planning, Implementation and Logistics Team
2008	Organizing Committee, ASM Biodefense and Emerging Diseases Conference
2009	Organizing Committee, ASM Biodefense and Emerging Diseases Conference
2010	Organizing Committee, ASM Biodefense and Emerging Diseases Conference
2011	Co-chairman, ASM Biodefense and Emerging Diseases Conference
2012	Co-chairman, ASM Biodefense and Emerging Diseases Conference
2013-date	University of Montana College of Arts and Sciences Advisory Board
2014-date	Associate Editor, Frontiers in Bioengineering and Biotechnology
2016-date	Chair, NIH (NIAID-ORF-ORS) High Containment Task Force
2017-date	University of Montana Global Public Health Program External Advisory Committee

Honors and Awards

1990- NIAID EEO Special Achievement Award
1994- Cash Award for Extended Service as Radiation Safety Officer
1997- NIAID EEO Special Achievement Award
1998- NIH Director's EEO Award of the Year
1999- NIAID DIR Special Service Award
1999- NIAID LPVD Services Award
2001 – Norman P. Salzman Memorial Mentor Award
2005- NIH Merit Award (Office of NIH Director)
2012- NIH Director's Award
2013- Fellow, American Academy of Microbiology
2014 – NIH Merit Award
2016 - NIH Merit Award
2017 – NIAID Merit Award (4)
2017 – NIH Honor Award (Office of the Director)
2017 – NIH Director's Award

B. Peer-reviewed Publications

1. Klint R, Hernandez A, **Bloom ME**. Familial conduction disturbance. American Journal of Cardiology 1972; 30(4):450-1.
2. **Bloom ME**, Shearer WT, Barton LL, Mallinckrodt E. Oculoglandular tularemia in an inner city child. Pediatrics 1973; 51:564-566.
3. **Bloom ME**, Jackson TA. Virus-like particles in buffy coat cells of normal goats and goats infected with progressive pneumonia virus. Am J Vet Res 1975; 36:789-793.
4. **Bloom ME**, Race RE, Hadlow WJ, Chesebro B. Aleutian disease of mink: the antibody response of sapphire and pastel mink to Aleutian disease virus. J Immunol 1975; 115:1034-1037.
5. Chesebro B, **Bloom ME**, Hadlow W, Race R. Purification and ultrastructure of Aleutian disease virus of mink. Nature 1975; 254:456-457.
6. **Bloom ME**. Aleutian disease of mink: production of ^{14}C-labeled antiviral antibodies by mink lymphoid cells in vitro. Infect Immun 1976; 13:281-283.
7. **Bloom ME**, Rose JA. Transcription of adenovirus-associated virus RNA in isolated KB cell nuclei. Virology 1978; 84:118-126.
8. Chesebro B, **Bloom ME**, Wehrly K, Nishio J. Persistence of infectious Friend virus in spleens of mice after spontaneous recovery from virus-induced erythroleukemia. J Virol 1979; 32:832-837.
9. **Bloom ME**, Race RE, Wolfinbarger JB. Characterization of Aleutian disease virus as a parvovirus. J Virol 1980; 35:836-843.
10. **Bloom ME**. Slow virus disease. In: Feigin RD, Cherry JD, eds. Textbook of pediatric infectious diseases, vol. II. Philadelphia: W.B. Saunders Co. 1981; 1412-1426.
11. **Bloom ME**, Race RE, Wolfinbarger JB. Identification of a nonvirion protein of Aleutian disease virus: mink with Aleutian disease have antibody to both virion and nonvirion proteins. J Virol 1982; 43:608-616.

12. Aasted B, **Bloom ME**. Sensitive radioimmune assay for measuring Aleutian disease virus and antibody. J Clin Microbiol 1983; 18:637-644.
13. **Bloom ME**, Mayer LW, Garon CF. Characterization of the Aleutian disease virus genome and its intracellular forms. J Virol 1983; 45:977-984.
14. Mayer LW, Aasted B, Garon CF, **Bloom ME**. Molecular cloning of the Aleutian disease virus genome: expression of Aleutian disease virus antigens by a recombinant plasmid. J Virol 1983; 48:573-579.
15. Race RE, **Bloom ME**, Coe JE. Demonstration of Aleutian disease virus-specific lymphocyte response in mink with progressive Aleutian disease: comparison of sapphire and pastel mink infected with different virus strains. J Immunol 1983; 131:1558-1564.
16. Aasted B, Race RE, **Bloom ME**. Aleutian disease virus, a parvovirus, is proteolytically degraded during in vivo infection in mink. J Virol 1984; 51:7-13.
17. Aasted B, Tierney GS, **Bloom ME**. Analysis of the quantity of antiviral antibodies from mink infected with different Aleutian disease virus strains. Scand J Immunol 1984; 19:395-402.
18. Aasted B, **Bloom ME**. Mink with Aleutian disease have high affinity antiviral antibodies. Scand J Immunol 1984; 19:411-418.
19. **Bloom ME**, Race RE, Aasted B, Wolfinbarger JB. Analysis of Aleutian disease virus infection *in vitro* and *in vivo*: demonstration of Aleutian disease virus DNA in tissues of infected mink. J Virol 1985; 55:696-703.
20. **Bloom ME**. Parvovirus infections: features reminiscent of AIDS. Ann N Y Acad Sci 1985; 437:110-120.
21. Chesebro B, Race R, Wehrly K, Nishio J, **Bloom M**, Lechner D, Bergstrom S, Robbins K, Mayer L, Keith JM, Garon C, Haase A. Identification of scrapie prion protein-specific mRNA in scrapie-infected and uninfected brain. Nature 1985; 315:331-333.
22. Porter DD, Porter HG, Larsen AE, **Bloom ME**. Restricted viral antibody specificity in many ferrets infected with the ferret Aleutian disease parvovirus. Arch Virol 1986; 93:155-161.
23. Race RE, Chesebro B, **Bloom ME**, Aasted B, Wolfinbarger J. Monoclonal antibodies against Aleutian disease virus distinguish virus strains and differentiate sites of virus replication from sites of viral antigen sequestration. J Virol 1986; 57:285-293.
24. Wiedbrauk DL, **Bloom ME**, Lodmell DL. Mink parvoviruses and interferons: *in vitro* studies. J Virol 1986; 60:1179-1182.
25. Alexandersen S, **Bloom ME**. Studies on the sequential development of acute interstitial pneumonia caused by Aleutian disease virus in mink kits. J Virol 1987; 61:81-86.
26. Alexandersen S, **Bloom ME**, Wolfinbarger J, Race RE. *In situ* molecular hybridization for detection of Aleutian mink disease parvovirus DNA by using strand-specific probes: identification of target cells for viral replication in cell cultures and in mink kits with virus-induced interstitial pneumonia. J Virol 1987; 61:2407-2419.

27. **Bloom ME**, Lechner D, Wiedbrauk DL, Wolfinbarger JB. Analysis of molecularly cloned DNA reveals minor differences among three virus strains of Aleutian disease parvovirus. Arch Virol 1987; 92:175-181.
28. **Bloom ME**, Race RE, Wolfinbarger JB. Analysis of Aleutian disease of mink parvovirus infection using strand specific hybridization probes. Intervirology 1987; 27:102-111.
29. Alexandersen S, **Bloom ME**, Wolfinbarger J. Evidence of restricted viral replication in adult mink infected with Aleutian disease of mink parvovirus. J Virol 1988; 62:1495-1507.
30. Alexandersen S, **Bloom ME**, Perryman S. Detailed transcription map of Aleutian mink disease parvovirus. J Virol 1988; 62:3684-3694.
31. **Bloom ME**, Kaaden O-R, Huggans E, Cohn A, Wolfinbarger JB. Molecular comparisons of in vivo and in vitro derived strains of Aleutian disease of mink parvovirus. J Virol 1988; 62:132-138.
32. **Bloom ME**, Alexandersen S, Perryman S, Lechner D, Wolfinbarger JB. Nucleotide sequence and genomic organization of Aleutian mink disease parvovirus (ADV): sequence comparisons between a nonpathogenic and a pathogenic strain of ADV. J Virol 1988; 62:2903-2915.
33. Alexandersen S, Larsen S, Cohn A, Uttenthal A, Race RE, Aasted B, Hansen M, **Bloom ME**. Passive transfer of antiviral antibodies restricts replication of Aleutian mink disease parvovirus in vivo. J Virol 1989; 63:9-17.
34. **Bloom ME**, Alexandersen S, Mori S, Wolfinbarger JB. Analysis of parvovirus infections using strand-specific hybridization probes. Virus Res 1989; 14:1-26.
35. **Bloom ME**. Analysis of infections with Aleutian mink disease parvovirus using strand-specific in situ hybridization: possible implications for Kawasaki Disease. In: Anonymous The third international Kawasaki disease symposium. Tokyo: Proc.Third Int.Symp.Kawasaki Dis. 1989; 217-219.
36. **Bloom ME**. Session Comment: animal models aiming at Kawasaki Disease. In: Anonymous The third international Kawasaki disease symposium. Tokyo: Proc.Third Int.Symp.Kawasaki Dis. 1989; 220-222.
37. Alexandersen S, Storgaard T, Gottschalck E, Aasted B, Cohn A, **Bloom ME**. Molecular pathobiology. III. Molecular studies of Aleutian mink disease parvovirus (ADV) infection. Dan Vet J 1990; 73:1194-1200.
38. **Bloom ME**, Alexandersen S, Garon CF, Mori S, Wei W, Perryman S, Wolfinbarger JB. Nucleotide sequence of the 5' terminal palindrome of Aleutian mink disease parvovirus (ADV) construction of an infectious molecular clone. J Virol 1990; 64:3551-3556.
39. Lodmell DL, Bergman RK, **Bloom ME**, Ewalt LC, Hadlow WJ, Race RE. Impaired phagocytosis by the mononuclear phagocytic system in Sapphire mink affected with Aleutian disease. Proc Soc Exp Biol Med 1990; 195:75-78.
40. Mori S, Wolfinbarger JB, Dowling N, Wei W, **Bloom ME**. Simultaneous identification of viral proteins and nucleic acids in cells infected with Aleutian mink disease parvovirus. Microbial Pathogenesis 1990; 9:243-253.
41. Uttenthal A, Larsen S, Lund E, **Bloom ME**, Storgaard T, Alexandersen S. Analysis of experimental mink enteritis virus infection in mink. In situ hybridization, serology and histopathology. J Virol 1990; 64:2768-2779.

42. Gottschalck E, Alexandersen S, Cohn A, Poulsen LA, **Bloom ME**, Aasted B. Nucleotide sequence analysis of aleutian mink disease parvovirus shows that multiple virus types are present in infected mink. J Virol 1991; 65:4378-4386.
43. Mori S, Wolfinbarger JB, Miyazawa M, **Bloom ME**. Replication of Aleutian mink disease parvovirus in lymphoid tissues of adult mink: involvement of follicular dendritic cells and macrophages. J Virol 1991; 65:952-956.
44. Mori S, Nose M, Miyazawa M, Kyogoku M, Wolfinbarger JB, **Bloom ME**. Emerging concepts in the pathogenesis of Aleutian mink disease: identification of the sites of viral replication and analysis of two types of renal lesions. In: Yoshida TO, ed. Genetic Intervention in Diseases with Unknown Etiology. Amsterdam: Elsevier, Science Publishers 1991.
45. Clemens DL, Wolfinbarger JB, Mori S, Berry BD, Hayes SF, **Bloom ME**. Expression of Aleutian mink disease parvovirus capsid proteins by a recombinant vaccinia virus: self-assembly of capsid proteins into particles. J Virol 1992; 66:3077-3085.
46. Kanno H, Wolfinbarger JB, **Bloom ME**. Identification of Aleutian mink disease parvovirus transcripts in macrophages of infected adult mink. J Virol 1992; 66:5305-5312.
47. **Bloom ME**, Berry BD, Wei W, Perryman S, Wolfinbarger JB. Characterization of chimeric full-length molecular clones of Aleutian mink disease parvovirus (ADV): identification of a determinant governing replication of ADV in cell culture. J Virol 1993; 67:5976-5988.
48. Kanno H, Wolfinbarger JB, **Bloom ME**. Aleutian mink disease parvovirus infection of mink macrophages and human macrophage cell line U937: demonstration of antibody-dependent enhancement of infection. J Virol 1993; 67:7017-7024.
49. Kanno H, Wolfinbarger JB, **Bloom ME**. Aleutian mink disease parvovirus infection of mink peritoneal macrophages and human macrophage cell lines. J Virol 1993; 67:2075-2082.
50. **Bloom ME**, Kanno H, Mori S, Wolfinbarger JB. Aleutian mink disease - puzzles and paradigms. Infectious Agents and Disease 1994; 3:279-301.
51. Gottschalck E, Alexandersen S, Storgaard T, **Bloom ME**, Aasted B. Sequence comparison of the non-structural genes of four different types of Aleutian mink disease parvovirus indicates an unusual degree of variability. Arch Virol 1994; 138:213-231.
52. Miyazawa M, Mori S, Spangrude GJ, Wolfinbarger JB, **Bloom ME**. Production and characterization of new monoclonal antibodies that distinguish subsets of mink lymphoid cells. Hybridoma 1994; 13:107-114.
53. Mori S, Nose M, Miyazawa M, Kyogoku M, Wolfinbarger JB, **Bloom ME**. Interstitial nephritis in Aleutian mink disease. Possible role of cell-mediated immunity against virus-infected tubular epithelial cells. Am J Pathol 1994; 144:1326-1333.
54. Wu W-H, **Bloom ME**, Berry BD, McGinley MJ, Platt KB. Expression of Aleutian mink disease parvovirus capsid proteins in a baculovirus expression system for potential diagnostic use. J Vet Diagn Invest 1994; 6:23-29.
55. **Bloom ME**, Oie KL, Wolfinbarger JB, Durrant G. Evaluation of the polymerase chain reaction (PCR) as a tool for diagnosing infections with the Aleutian mink

disease parvovirus (ADV) and for discriminating among various ADV isolates. Animal Production Review 1996; 28:149-150.
56. Oie KL, Durrant G, Wolfinbarger JB, Martin D, Costello F, Perryman S, Hogan D, Hadlow WJ, **Bloom ME**. The relationship between capsid protein (VP2) sequence and pathogenicity of Aleutian mink disease parvovirus (ADV): a possible role for raccoons in the transmission of ADV infections. J Virol 1996; 70:852-861: 1994.
57. Oleksiewicz M, Costello F, Huhtanen ME, Wolfinbarger JB, Alexandersen S, **Bloom ME**. Subcellular localization of Aleutian mink disease parvovirus proteins and DNA during permissive infection of crandell feline kidney cells. J Virol 1996; 70:3242-3247.
58. **Bloom ME**, Martin DA, Oie KL, Huhtanen ME, Costello F, Wolfinbarger JB, Hayes SF, Agbandje-McKenna M. Expression of Aleutian mink disease parvovirus capsid proteins in defined segments: localization of immunoreactive sites and neutralizing epitopes to specific regions. J Virol. 1997; 71:705-714.
59. **Bloom ME**, Oie KL, Christensen P, Durrant G. Evaluation of the polymerase chain reaction (PCR) as a tool for diagnosing infections with the Aleutian mink disease parvovirus (ADV). Scientifur 1997; 21:141-146.
60. Dworak LJ, Wolfinbarger JB, **Bloom ME**. Aleutian mink disease parvovirus infection of K562 cells is antibody-dependent and is mediated via an Fc(gamma)RII receptor. Arch Virol 1997; 142:363-373.
61. Olson NH, Chipman PR, **Bloom ME**, McKenna R, Agbandje-McKenna M, Booth TF, Baker TS. Automated CCD data collection and three-dimensional reconstruction of Aleutian mink disease parvovirus. Proceedings of the Annual Microscopic Society of America 1997.
62. Schuierer S, **Bloom ME**, Kaaden O-R, Truyen U. Sequence analysis of the lymphotropic Aleutian disease parvovirus ADV-SL3. Arch Virol 1997; 142:157-166.
63. Storgaard T, Oleksiewicz M, **Bloom M**, Ching B, Alexandersen S. Two parvoviruses that cause different disease in mink have different transcription patterns: transcription analysis of mink enteritis virus and Aleutian mink disease parvovirus in the same cell line. J Virol 1997; 71:4990-4996.
64. Oleksiewicz, MB, Wolfinbarger JB, **Bloom ME**. A comparison between permissive and restricted infections with Aleutian mink disease parvovirus (ADV): characterization of the viral protein composition at nuclear sites of replication. Virus Research 1998; 56:41-51.
65. **Bloom ME**, Fox JM, Berry BD, Oie KL, Wolfinbarger JB. Construction of pathogenic molecular clones of Aleutian mink disease parvovirus (ADV) that replicate both in vitro and in vivo. Virology 1998; 251:288-296.
66. Fox JM, **Bloom ME**. Identification of a cell surface protein from Crandell feline kidney cells that specifically binds Aleutian mink disease parvovirus. J Virol 1999; 73:3835-3842.
67. McKenna R, Olson NH, Chipman PR, Baker TS, Booth TF, Christensen J, Aasted B, Fox JM, **Bloom ME**, Wolfinbarger JB, Agbandje-McKenna M. Three-dimensional structure of Aleutian mink disease parvovirus: implications for disease pathogenicity. J Virol 1999; 73:6882-6891.

68. Fox JM, Stevenson MAM, **Bloom ME**. Replication of Aleutian mink disease parvovirus in vivo is influenced by residues in the VP2 protein. J Virol 1999; 73: 8713-8719.
69. **Bloom ME**, Young NS. Chapter 70. Parvoviruses. *In* Fields Virology, 4th edition. DM Knipe, PM Howley, DE Griffin, RA Lamb, MA Martin, BL Roizman, SE Straus. 2001. Lippincott Williams and Wilkins.
70. Dyer NW, Ching B, **Bloom ME**. Nonsuppurative meningoencephalitis associated with Aleutian mink disease parvovirus infection in ranch mink. J Vet Diag Invest 2000; 12: 159-162.
71. **Bloom ME**. Aleutian mink disease parvovirus infections: practical insights from basic research. Proceedings of the VIIth International Scientific Congress in Fur Animal Production 2000; 24, No. 4-V: 7-12.
72. Jensen KT, Wofinbarger JB, Aasted B, **Bloom ME**. Replication of Aleutian mink disease parvovirus in mink lymph node histocultures. J Gen Virol 2000; 81:335-343.
73. Berns KI, Bergoin M, **Bloom M**, Lederman M, Muzyczka N, Tal J, Tattersall P. Family *Parvoviridae*. In Virus Taxonomy: Classification and Nomenclature of Viruses; VIIth Report of the International Committee on Taxonomy of Viruses (eds. Van Regenmortel MHV, Fauquet CM, Bishop DHL, Carstens EB, Estes MK, Lemon SM, Maniloff J, Mayo MA, McGeoch, DJ, Pringle CR, Winckner RB) 2000, San Diego: Academic Press.
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77. **Bloom ME**, Best SM, Hayes SF, Wells RD, Wolfinbarger JB, McKenna R, Agbandje-McKenna M. Identification of Aleutian mink disease parvovirus (ADV) capsid sequences mediating antibody-dependent enhancement of infection, virus neutralization and immune complex formation. J Virol 2001; 75:11116-11127.
78. McCrackin Stevenson MA, Gates L, Murray J, **Bloom ME**. 2001 Aleutian mink disease parvovirus: Implications for companion ferrets. Compendium 2001; 23(2):1-8.
79. Best SM, Wolfinbarger JB, **Bloom ME**. Capase activation is required for permissive replication of Aleutian mink disease parvovirus (ADV) in vitro. Virology 2002; 292(2): 224-234.
80. Speare JO, Rush TS 3rd, **Bloom ME**, Caughey B (2003) The role of helix 1 aspartates and salt bridges in the stability and conversion of prion protein. J Biol Chem 2003 Apr 4; 278(14): 12522-9. Epub 2003 Jan 27
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84. Best SM, Morris KL, Shannon J, Robertson SJ, Mitzel DN, Park GS, Boer E, Wolfinbarger JB, **Bloom ME**. Inhibition of interferon mediated JAK-STAT signaling by a tick-borne flavivirus and identification of NS5 as an interferon antagonist. Journal of Virology 2005; 79(20): 12828-12839
85. Park GS, Best SM, **Bloom ME**. Two mink parvoviruses use different cellular receptors for entry in CrFK cells. Virology 2005; 340(2): 1-9.
86. **Bloom ME**, Kerr JR. (2005). Pathogenesis of parvovius infections. In: *The parvoviruses.* Ch 22, pp 323-341. Bloom ME, Cotmore S, Kerr J. (Eds.) Arnold, London UK.
87. Best SM, **Bloom ME**. (2005). Aleutian mink disease parvovirus. In: *The Parvoviruses.* Ch32, pp 457-471. Bloom, ME, Cotmore, S, Kerr, J. (Eds.) Arnold, London UK.
88. Kerr JR, Cotmore SF, **Bloom ME**, Linden RM, and Parrish CR. (Eds), Parvoviruses. Arnold, London UK, (2006)
89. Best SM, **Bloom ME**. Pathogenesis of Aleutian mink disease parvovirus and similarities to B19 infection. J Vet Med B Infect Dis Vet Public Health 2005; 52(7-8):331-334.
90. Best SM, Mitzel DN, **Bloom ME**. Action and reaction: the arthropod-borne flaviviruses and host interferon responses. Future Virology 2006; 1(4): 447-459.
91. Mitzel DN, Wolfinbarger JB, Long RD, Masnick M, Best SM, **Bloom ME**. Tick-borne flavivirus infection in *Ixodes scapularis* larvae: development of a novel method for synchronous viral infection of ticks. Virology 2007; 365:410-418.
92. Park GS, Morris KL, Hallett RG, **Bloom ME,** Best SM. Identification of residues critical for the interferon antagonist function of Langat virus NS5 reveals a role for the RNA-dependent RNA polymerase domain. Journal of Virology 2007; 81(13): 6936-6946.
93. Mitzel DN, Best SM, Wolfinbarger JB, Masnick M, Porcella S, **Bloom ME.** (2008). Genetic changes in a tick-borne flavivirus associated with host adaptation and pathogenicity. Virology 381(2): 268-276.
94. Robertson SJ, Mitzel DN, Taylor RT, Best SM and **Bloom ME**. Tick-borne flaviviruses: dissecting host immune responses and virus countermeasures. Immunol Res. 2009;43(1-3): 172-86.
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97. Risi GF, **Bloom ME**, Hoe NP, Arminio T, Carlson P, Powers T, Feldmann H, Wilson D (2009). Preparing a community hospital to care for work-related exposures to biosafety level 3 and level 4 agents. Emerg Infect Dis. 2010 Mar;16(3):373-8.

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