CURRICULUM VITAE

Name: Jacki Kornbluth, Ph.D.

Title and Affiliation: Professor, Department of Pathology
Saint Louis University School of Medicine, Saint Louis, MO
Health Science Specialist, VA Medical Center, Saint Louis, MO

Office Address: Department of Pathology
Saint Louis University School of Medicine
1100 S. Grand Blvd. DRC 323
Saint Louis, MO 63104
(314) 977-9296
Fax: (314) 977-8499
e-mail: kornblut@slu.edu

Education:

1976-1980	Cornell University, New York, NY, Ph.D., 1980, Immunogenetics
1972-1976	Cornell University, Ithaca, NY, B.S., 1976, Biology

Postgraduate Training:

1983-1984	Research Associate, Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA
1981-1983	Postdoctoral Fellow, Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA
1980-1981	Postdoctoral Fellow, Sloan-Kettering Institute for Cancer Research, New York, NY

Academic and Professional Appointments:

1996-present	Professor, Department of Pathology, Saint Louis University School of Medicine, Saint Louis, MO

1998-present	Director of the Graduate Program, Department of Pathology, Saint Louis University School of Medicine, Saint Louis, MO
1997-present	Health Science Specialist, VA Medical Center, John Cochran Division, Saint Louis, MO
1998-present	Professor, Department of Microbiology and Immunology, Saint Louis University School of Medicine, Saint Louis, MO
1995-1996	Professor, Division of Hematology/Oncology, Department of Medicine, University of Arkansas for Medical Sciences, Little Rock, AR
1995-1996	Professor, Department of Microbiology and Immunology, University of Arkansas for Medical Sciences, Little Rock, AR
1990-1996	Research Health Scientist, Geriatric Research, Education and Clinical Center, John F. McClellan Memorial Veterans Hospital, Little Rock, AR
1990-1995	Associate Professor, Division of Hematology/Oncology, Department of Medicine, University of Arkansas for Medical Sciences, Little Rock, AR
1990-1995	Associate Professor, Department of Microbiology and Immunology, University of Arkansas for Medical Sciences, Little Rock, AR
1988-1990	Assistant Professor, Department of Immunology, University of Texas M.D. Anderson Cancer Center, Houston, TX
1988-1990	Assistant Professor, Graduate School of Biomedical Sciences, University of Texas Health Science Center at Houston, TX
1984-1988	Research Assistant Professor, Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA

Current Administrative Responsibilities

Director of the Graduate Program, Department of Pathology, Saint Louis University School of Medicine

Member, Executive Committee of the Biomedical Sciences Graduate Program**,**

Saint Louis University School of Medicine

Member, M.D./Ph.D. Steering Committee, Saint Louis University School of Medicine

National Activities:

Scientist Reviewer, Immunological Studies Panel and Clinical Trials Panel, Department of Defense Prostate Cancer Research Program

Member, Department of Veterans Affairs Merit Review Subcommittee for Immunology (2001-2004)

Chairperson, Peer Review Committee on Cancer Immunology, American Cancer Society (through 2000)

Honors and Awards:

1981-1983	National Institutes of Health Postdoctoral Research Services Award
1980	Doctor of Philosophy with Honors, Cornell University
1976-1978	National Institutes of Health Pre-doctoral Fellowship
1976	Bachelor of Science with Honors and Distinction, Cornell University

Society Memberships:

American Association of Immunologists
American Association for Cancer Research
American Society for Microbiology
The Society for Natural Immunity

Reviewer:

Journal of Immunology
Cancer Research
Lymphokine and Cytokine Research
Kidney International
Journal of Leukocyte Biology
Blood

Cellular Immunology
American Journal of Physiology

Formal Teaching Experience:

1985-1988	Laboratory instructor and lecturer, Immunology 101 (Course for medical students), University of Pennsylvania.
	Lecturer, Immunology 506 (Graduate course in immunology), University of Pennsylvania.
	Lecturer, Human Biology (Undergraduate course), University of Pennsylvania.
1985-1988	Lecturer, Genetics 555 (Graduate course in gene expression), University of Pennsylvania.
1987	Course Director, Immunology 600A (Seminar course for graduate students), University of Pennsylvania.
1988-1989	Lecturer, Tumor Immunobiology (Graduate course), University of Texas Graduate School of Biomedical Sciences at Houston.
1990-1996	Lecturer and laboratory instructor, Medical Microbiology and Immunology (Course for medical students), UAMS.
	Lecturer, Introduction to Immunology (Course for graduate students), UAMS.
	Lecturer, Advanced Immunology (Course for graduate students), UAMS.
	Lecturer, Carcinogenesis (Course for graduate students), UAMS.
	Lecturer, Biochemical Methods (Course for graduate students), UAMS.
1994-1995	Course director, Advanced Immunology (Course for graduate students), UAMS
1997-present	Director, Tumor Immunology Elective, Saint Louis University School of Medicine

1998-present	Lecturer, Basic Biomedical Sciences and Special Topics in Biomedical Sciences (Courses for graduate students), Saint Louis University School of Medicine
1998-present	Presenter, Basic Biomedical Science Colloquium (Course for graduate students), Saint Louis University School of Medicine
1998-present	Lecturer, Basic Immunobiology (Course for graduate students), Saint Louis University School of Medicine
1999	Course Director, MB-G698: Graduate Reading Course in Natural Killer Cells, Saint Louis University School of Medicine
2000-present	Course Director and Lecturer, PT-G501 Pathobiology (Course for graduate students), Saint Louis University School of Medicine
2000-present	Course Director and Lecturer, PT-G502 Molecular Pathobiology (Course for graduate students), Saint Louis University School of Medicine

Teaching Experience- Students and Fellows:

1984-1988	Major thesis advisor, Ph.D. candidate, Brett Spear, University of Pennsylvania. Degree awarded, 1986.
	Major thesis advisor, Ph.D. candidate, Mary Kate Hart, University of Pennsylvania. Degree awarded, 1986.
	Major thesis co-advisor, M.D./Ph.D. candidate, Douglas Taylor, University of Pennsylvania. Degrees awarded, 1988.
1988-1989	Major thesis advisor, Ph.D. candidate, Laura Searfoss, University of Texas Graduate School of Biomedical Sciences at Houston.
1990-1995	Major thesis advisor, Ph.D. candidate, Suhair Shallal, UAMS. Degree awarded 1995.
1990-1996	Ph.D. candidate tutorial students, Janis Lee, Kranthi Acantha, Brian Russell, Musa Hindiyeh, Ray Hawkins UAMS.

	Major advisor, M.D. student projects, Lawrence Dodd, Nicole Lucas, Tijuana Freeman, Todd Blake, Mike Fahr, UAMS.
	Thesis committee advisor, Ph.D. candidate, Tammy Kincy, UAMS. Degree awarded 1994.
	Thesis committee advisor, M.S. candidate, Corey Tinkle UAMS. Degree awarded 1994.
1990-1992	Major advisor, M.D. research fellow, Alberto Bianchi, UAMS.
	Major advisor, M.D. research fellow, Gianfranco Catalano, UAMS.
1991-1993	Major advisor, Ph.D. postdoctoral fellow, Jeff Schorey, UAMS.
1992-1994	Major advisor, M.D. research fellow, Brad Baltz, UAMS.
1993-1995	Major advisor, Ph.D. postdoctoral fellow, J. Catherine Cone, UAMS.
1993-1996	Major advisor, Ph.D. postdoctoral fellow, Miroslaw Kozlowski, UAMS.
1993-1998	Major thesis advisor, Ph.D. candidate, Toni Portis, UAMS and Saint Louis University. Degree awarded 1998.
1998-2003	Major thesis advisor, M.D.-Ph.D. candidate, Andrew Esposito, Saint Louis University. Transferred to Case Western.
1998-present	Director, M.D. Student Elective in Tumor Immunology Students: Archana Dhawan, Rozanda Lee, Kathryn Gunn, Amy Schmidt, Anthony Nuara, Rohini Kamath, Edward Chen, Danielle Ho, Chris Taylor, Neil Patel, Denis Kuzelj, Saint Louis University
1998-present	Ph.D. candidate rotation students: Anan Jongkaewwattana, Jen Staley, David Esteban, Julie Fortier, Vera Terakanova, Charles Spencer, Madeline Wong, Sarah Burris, Gina Yosten, Jessica Murray, Elise Ambrose, Dawn Young, Amanda Finley, Melissa Berrien, Biswajoy Pal, Saint Louis University

1999-2001	Thesis committee member, Ph.D. candidate, Qi Zeng, Department of Pathology, Saint Louis University. Degree awarded 2001.
2000-2005	Major thesis advisor, Ph.D. candidate, Julie Fortier, Department of Pathology, Saint Louis University. Degree awarded 2005.
2006-2008	Major advisor, M.D./Ph.D. research associate, Zhefu Ma, Department of Pathology, Saint Louis University
2007-present	Major thesis advisor, Ph.D. candidate, Elise Ambrose, Department of Pathology, Saint Louis University

Publications:

1. Utermohlen V, Farmer J, Kornbluth J, and Kornstein M: The relationship between direct migration inhibition with measles antigen and E-rosettes in normals and patients with multiple sclerosis. Clin. Immunol. Immunopath. 9:63-66, 1978.

2. Kornbluth J, Pollack MS, Fogh J, Carey T, and Dupont B: HLA typing of human tumor cell lines: selection of appropriate typing techniques. Transplant Proc. X:735-738, 1978.

3. Kornbluth J, Gorski A, and Dupont B: Alloantigen-activated lymphocyte colony formation in semisolid agar. Transplant Proc. XI:1978-1981, 1979.

4. Kornbluth J, and Dupont B: Cloning and functional characterization of primary alloreactive clones of human T-lymphocytes. J. Exp. Med. 152:164-181, 1980.

5. Kornbluth J, Silver DM, and Dupont B: Characterization of primary alloreactive clones of human T-lymphocytes. Transplant. Proc. XII:1138-1142, 1981.

6. Kornbluth J, Flomenberg N, and Dupont B: Cell surface phenotype of a cloned line of human natural killer cells. J. Immunol. 129:2831-2837, 1982.

7. Kornbluth J, Raab SS, and Wilson DB: Inhibition of cell-mediated lympholysis by cloned and uncloned lines of natural killer (NK) cells and cytotoxic T-lymphocytes (CTL) with sugars and lectins. Cell. Immunol. 88:162-173, 1984.

8. Kornbluth J and Wilson DB: Monoclonal antibodies directed against HLA molecules affect the lytic and proliferative behavior of a cloned line of human natural killer cells. Human Immunol. 11:239-247, 1984.

9. Spear B, Kornbluth J, Strominger JL, and Wilson DB: Characterization of an HLA-A locus specific monoclonal antibody. In: Advances in Gene Technology: Molecular Biology of the Immune System. J.W. Streilein et al., eds., Cambridge University Press, Cambridge, U.K., p.313-314, 1985.

10. Kornbluth J, Spear B, Raab SS, and Wilson DB: Evidence for the role of class I and class II HLA antigens in the lytic function of a cloned line of human natural killer cells. J. Immunol. 134:728-735, 1985.

11. Main EK, Lampson LA, Hart MK, Kornbluth J, and Wilson DB: Human neuroblastoma cell lines are susceptible to lysis by natural killer cells but not by cytotoxic T-lymphocytes. J. Immunol. 135:242-246, 1985.

12. Kornbluth J: Human natural killer cells and cytotoxic T-lymphocytes require cell surface carbohydrate determinants for lytic function. Cell. Immunol. 95:276-287, 1985.

13. Kornbluth J: Comparison of human natural killer cells and cytotoxic T lymphocytes using cloned and uncloned lines of effector cells. In: T Cell Clones. H. von Boehmer and W. Haas, eds., Elsevier Biomedical Press, Amsterdam, The Netherlands, p. 297-310, 1985.

14. Spear BT, Kornbluth J, Strominger JL, and Wilson DB: Evidence for a shared HLA-A intra-locus determinant defined by monoclonal antibody 131. J. Exp. Med. 162:1802-1810, 1985.

15. Taylor DS, Nowell PC, and Kornbluth J: Functional role of HLA class I cell surface molecules in human T lymphocyte activation and proliferation. Proc. Natl. Acad. Sci. USA 83:4446-4450, 1986.

16. Lefkowitz M, Jorkasky D, and Kornbluth J: Increase in natural killer activity in cyclosporine-treated renal allograft recipients during rejection. Human Immunol. 19:139-149, 1987.

17. Hart MK, Kornbluth J, Main EK, Spear BT, Taylor DS, and Wilson DB: Lymphocyte function-associated antigen 1 (LFA-1) and natural killer (NK) cell activity: LFA-1 is not necessary for all killer: target cell interactions. Cell. Immunol. 109:306-317, 1987. PMID: 3311386

18. Taylor DS, Nowell PC, and Kornbluth J: Anti-HLA class I antibodies inhibit the T cell-independent proliferation of human B lymphocytes. J. Immunol. 139:1792-1796, 1987. PMID: 3497978

19. Leiden JM, Gottesdiener KM, Quertermous T, Coury L, Bray RA, Gottschalk L, Seidman JG, Strominger JL, Landay AL, and Kornbluth J: T cell receptor gene rearrangement in human natural killer cells: Natural killer activity is not dependent

upon the rearrangement and expression of T cell receptor alpha, beta, or gamma genes. Immunogenetics 27:231-238, 1988.

20. Lefkowitz M, Kornbluth J, Tomaszewski JE, and Jorkasky DK: Natural killer cell activity in cyclosporine-treated renal allograft recipients. J. Clin. Immunol. 8:121-127, 1988.

21. Kornbluth J and Hoover RG: Changes in gene expression associated with IFN-β and IL-2 induced augmentation of human NK function. J. Immunol. 141:3234-3240, 1988.

22. Kornbluth J and Hoover R: Changes in gene expression associated with activation or inhibition of natural killer function. In: Lymphocyte Activation and Differentiation. J.C. Mani and J. Dornand, eds., Walter de Gruyter and Co., Berlin, Germany, p. 483-487, 1988.

23. Donaldson WL, Crump AL, Zhang CH, Kornbluth J, Kamoun M, Davis W, and Antczak DF: At least two loci encode polymorphic class I MHC antigens in the horse. Animal Genetics 19:379-390, 1988.

24. Leiden JM and Kornbluth J: The role of class I HLA expression NK target susceptibility: Expression of a transfected cloned human HLA-A2 gene does not alter the NK target susceptibility of K562 cells. In: Natural Killer Cells and Host Defense. E.W. Ades and C. Lopez, eds., S. Karger AG, Basel, p. 198-206, 1989.

25. Leiden JM, Karpinski BA, Gottschalk L, and Kornbluth J: Susceptibility to natural killer cell-mediated cytolysis is independent of the level of target cell class I HLA expression. J. Immunol. 142:2140-2147, 1989.

26. Mahle NH, Radcliff G, Sevilla CL, Kornbluth J, and Callewaert D: Kinetics of cellular cytotoxicity mediated by a cloned human killer cell line. Immunobiol. 179:230-243, 1989.

27. Kornbluth J and Hoover R: Changes in gene expression associated with natural killer function. In: Natural Killer Cells and Host Defense. E.W. Ades and C. Lopez, eds., S. Karger AG, Basel, p. 68-74, 1989.

28. Kornbluth J and Hoover RG: Anti-HLA class I antibodies alter gene expression in human natural killer cells. In: Immunobiology of HLA, Vol. 2, Immunogenetics and Histocompatibility, B. Dupont, ed., Springer-Verlag, New York, NY, p. 150-152, 1989.

29. Kornbluth J, and Searfoss L: C-myb protooncogene levels correlate with interleukin-2 and interferon-beta induced augmentation of natural killer activity. Natural Killer Cells: Biology and Clinical Applications. S. Karger AG, Basel, p. 212-215, 1990.

30. Hayakawa K, Salmeron MA, Kornbluth J, Bucana C, and Itoh K: The role of IL-4 in proliferation and differentiation of human natural killer cells. Study of an IL-4 dependent versus an IL-2 dependent natural killer cell clone. J. Immunol. 146:2453-2460, 1991.

31. Chehimi J, Bandyopadhyay B, Prakash K, Perussia B, Hassan NK, Kawashima H, Campbell D, Kornbluth J, and Starr SE: In vitro infection of natural killer cells with different human immunodeficiency virus type 1 isolates. J. Virology. 65:1812-1822, 1991.

32. Kornbluth J, Hart MK, and Hoover RG: Inhibition of T cell activation by monoclonal antibodies reactive with LFA-1; Selective inhibition of IL-2 receptor but not IL-2 gene expression. Life Science Advances 10:43-52, 1991.

33. Hoover RG and Kornbluth J: Immunoregulation of murine and human myeloma. Hematology/Oncology Clinics of North America 6:407-424, 1992.

34. Fahr MJ, Kornbluth J, Blossom S, Schaeffer R, and Klimberg VS: Glutamine enhances immunoregulation of tumor growth. J. Parent. Ent. Nut. 18: 471- 476, 1994.

35. Hoover RG, Lary C, Page R, Travis P, Owens R, Flick J, Kornbluth J, and Barlogie B: Autoregulatory circuits in myeloma: Tumor cell cytotoxicity mediated by soluble CD16. J. Clin. Invest. 95:241-247, 1995. PMID: 7529259

36. Kornbluth J: Potential role of CD28-B7 interactions in the growth of myeloma plasma cells. Curr. Topics Microbiol. Immunol. 194: 43-49, 1995. PMID: 7534672

37. Epstein J, Hoover RG, Kornbluth J, and Barlogie B: Biological aspects of multiple myeloma. Balliere's Clinical Haematology 8: 721-734, 1995. PMID: 8845569

38. Klimberg VS, Kornbluth J, Cao Y, Dang A, Blossom S, and Schaeffer RF: Glutamine suppresses PGE2 synthesis and breast cancer growth. J. Surgical Res. 63:293-297, 1996. PMID: 8661213

39. Feng Z, Cao Y, Kornbluth J, Gray P, Fahr M, and Klimberg VS: Glutamine prevents DMBA-induced breast cancer growth. Surgical Forum 47:524-526, 1996.

40. Munshi NC, Govindarajan R, Drake R, Ding LM, Iyer R, Saylors R, Kornbluth J, Marcus S, Chiang Y, Ennist D, Kwak L, Reynolds C, Tricot G, and Barlogie B: Thymidine kinase (TK) gene transduced human lymphocytes can be highly purified, remain fully functional and are killed efficiently with ganciclovir. Blood 89:1334-1340, 1997. PMID: 9028956

41. Kozlowski M, Schorey J, Portis T, Grigoriev V and Kornbluth J: NKLAM: A novel

gene selectively expressed in cells with cytolytic function. J. Immunol.163:1775-1785, 1999.

42. Portis T, Anderson J, Esposito A and Kornbluth J: Gene structure of human and murine NKLAM, a gene associated with cellular cytotoxicity. Immunogenetics 51:546-555, 2000.

43. Shallal S and Kornbluth J: CD9 expression enhances the susceptibility of myeloma cell lines to cell-mediated cytolysis. Blood 96:224-233, 2000.

44. Kaufmann Y, Kornbluth J, Feng Z, Fahr M, Schaefer RF and Klimberg VS: Effect of glutamine on the initiation and promotion phases of DMBA-induced mammary tumor development. J. Parent. Ent. Nut. 27:411-418, 2003.

45. Fortier J and Kornbluth J. NK Lytic-Associated Molecule, involved in NK cytotoxic function, is an E3 ligase. J. Immunol. 176:6454-6463, 2006.

46. Ambrose EC and Kornbluth J. Downregulation of uridine-cytidine kinase like-1 decreases proliferation and enhances tumor susceptibility to lysis by apoptotic agents and natural killer cells. Apoptosis 14: 1227-1236, 2009.

47. Hoover RG, Gullickson G and Kornbluth J: Impaired NK cytolytic activity and enhanced tumor growth in NK Lytic-Associated Molecule (NKLAM)-deficient mice. J. Immunol. 183: 6913-69211, 2009.

48. McHowat J, Gullickson G, Hoover RG, Sharma S, Turk J and Kornbluth J: Platelet-activating factor and metastasis: Calcium-independent phospholipase $A_2\beta$ deficiency protects against breast cancer metastasis to the lung. Am. J. Physiol. Cell Physiol. ajpcell.00502.2010; published ahead of print January 12, 2011. doi:10.1152/ajpcell.00502.2010.

49. Hoover, RG and Kornbluth J: NKLAM: A novel protein component of cytolytic granules from NK cells. Submitted for publication.

50. Gullickson G, Lawrence DW and Kornbluth J: Role of NKLAM protein in macrophage responses to bacteria. Manuscript in preparation.

Abstracts:

1. Kornbluth J, Pollack MS, Fogh J, and Dupont B: HLA typing of human tumor cell lines: Selection of appropriate typing techniques. Presented at the Annual Meeting of the American Association of Clinical Histocompatibility Testing, New York, NY, 1978.

2. Kornbluth J, Gorski A, and Dupont B: Alloantigen-activated lymphocyte colony

formation in semisolid agar. Presented at the Annual Meeting of the American Association of Clinical Histocompatibility Testing, San Diego, CA, 1979.

3. Kornbluth J and Dupont B: Characterization of primary alloreactive clones of human T-lymphocytes. Presented at the Eighth International Congress of the Transplantation Society, Boston, MA, 1980.

4. Kornbluth J and Dupont B: T-lymphocyte clones generated in primary mixed-lymphocyte cultures. Presented at the Second International Conference on the Primed Lymphocyte, Bethesda, MD, 1980.

5. Kornbluth J and Dupont B: Functional characterization of primary alloreactive human T-lymphocytes. Presented at the Annual Meeting of the American Association of Clinical Histocompatibility Testing, St. Louis, MO, 1980.

6. Kornbluth J, Kim SJ, and Dupont B: Cytolytic activity of the primary alloreactive T-lymphocyte clones. Presented at the Fourth International Congress of Immunology, Paris, France, 1980.

7. Kornbluth J, Flomenberg N, and Dupont B: Characterization of a cloned line of human natural killer cells. Presented at the Annual Meeting of the F.A.S.E.B., New Orleans, LA, 1982. Fed. Proc. 41:313, 1982.

8. Flomenberg N, Kornbluth J, and Dupont B: Distinctive phenotype of a cloned line of human natural killer cells. Presented at the Keystone Symposia on Molecular and Cellular Biology, 1982. J. Cell. Biochem. 6:25, 1982.

9. Kornbluth J: Evidence for the role of cell surface carbohydrate determinants in the lytic function of human natural killer cells. Presented at the Fourth International Congress of Immunology, Kyoto, Japan, 1983.

10. Kornbluth J: The role of HLA antigens in human natural killer cell function. Presented at the Meeting of the Philadelphia Immunology Society, Philadelphia, PA, 1984.

11. Spear B, Kornbluth J, Strominger JL, and Wilson DB: Characterization of an HLA-A locus specific monoclonal antibody. Presented at the Annual Meeting of the F.A.S.E.B., Anaheim, CA, 1985. Fed. Proc. 44:557, 1985.

12. Hart MK, Kornbluth J, and Wilson DB: Lymphocyte function-associated antigen one and natural killer function. Presented at the Annual Meeting of the F.A.S.E.B., Anaheim, CA, 1985. Fed. Proc. 44:1315, 1985.

13. Kornbluth J, Spear B, and Wilson DB: HLA antigens in natural killer function. Presented at the Annual Meeting of the F.A.S.E.B., Anaheim, CA, 1985. Fed. Proc. 44:1317, 1985.

14. Kornbluth J: Suppression of the generation of self-reactive T cells by NK cells. Presented at the International Symposium on Natural Immunity and Biological Response Modification for the Therapy of Cancer and Other Diseases, Honolulu, HI, 1985. Natural Immunity and Cell Growth Regulation 4:257, 1985.

15. Kornbluth J: The effect of cyclosporine on human natural killer cell function. Presented at the Joint Conference of the 17th International Leukocyte Culture Conference and 22nd National Meeting of the Reticuloendothelial Society, Cornell University, Ithaca, NY, 1985. Journal of Leukocyte Biology 38:160, 1985.

16. Taylor DS, Nowell P, and Kornbluth J: Functional role of HLA class I molecules in human T lymphocyte proliferation. Presented at the International Conference on Lymphocyte Activation and Immune Regulation, Newport Beach, CA, 1986.

17. Taylor DS, Nowell P, and Kornbluth J: Functional role of HLA class I cell surface molecules in human T lymphocyte activation and proliferation. Presented at the Annual Meeting of the F.A.S.E.B., St.Louis, MO, 1986. Fed. Proc. 45:1119, 1986.

18. Kornbluth J, Leiden J, Quertermous T, Coury L, Seidman J, and Strominger J: Clones with NK activity rearrange T cell receptor genes without concomitant rearrangement of T gamma genes. Presented at the Fourth International Workshop on Natural Killer Cells, Kingston, Ontario, 1986. Natural Immunity and Cell Growth Regulation 5:143, 1986.

19. Kornbluth J: NK cells suppress the generation of self-reactive cytotoxic T cells in vitro. Presented at the Fourth International Workshop on Natural Killer Cells, Kingston, Ontario, 1986. Natural Immunity and Cell Growth Regulation 5:143, 1986.

20. Callewaert D and Kornbluth J: Studies on the kinetics of cytotoxicity reactions mediated by a cloned human NK cell line. Presented at the Fourth International Workshop on Natural Killer Cells, Kingston, Ontario, 1986. Natural Immunity and Cell Growth Regulation 5:133, 1986.

21. Kornbluth J, Taylor DS, and Nowell P: Role of HLA class I antigens in T lymphocyte activation. Presented at the Sixth International Congress of Immunology, Toronto, Ontario, 1986.

22. Taylor DS, Nowell P, and Kornbluth J: Anti-HLA class I antibodies inhibit the proliferation of human B lymphocytes. Presented at the Sixth International Congress of Immunology, Toronto, Ontario, 1986.

23. Leiden J, Strominger J, and Kornbluth J: The rearrangement and expression of human T cell receptor genes in functional human natural killer clones. Presented at the Sixth International Congress of Immunology, Toronto, Ontario, 1986.

24. Mahle N, Kornbluth J, Sevilla C, and Callewaert D: Kinetics of natural cytotoxicity mediated by a cloned human NK cell line. Presented at the Sixth International Congress of Immunology, Toronto, Ontario, 1986.

25. Kornbluth J, Lefkowitz M, and Jorkasky D: Natural killer activity in renal transplant recipients. Presented at the Annual Meeting of the American Society of Histocompatibility and Immunogenetics, New Orleans, LA, 1986. Human Immunology 17:110, 1986.

26. Kornbluth J, Taylor DS, and Nowell P: Role of HLA class I antigens in T lymphocyte activation. Presented at the Annual Meeting of the American Society of Histocompatibility and Immunogenetics, New Orleans, LA, 1986. Human Immunology 17:172, 1986.

27. Kornbluth J, Leiden J, Quertermous T, Coury L, Seidman J, and Strominger J: Clones with NK activity rearrange T cell receptor genes without concomitant rearrangement of T gamma genes. Presented at the Annual Meeting of the American Society of Histocompatibility and Immunogenetics, New Orleans, LA, 1986. Human Immunology 17:175, 1986.

28. Lefkowitz M, Jorkasky D, and Kornbluth J: Effects of cyclosporine on natural killer cell activity in vitro. Presented at the Meeting of the American Federation of Clinical Research, Eastern Section, New York, NY, 1986. Clinical Research, 34:867A, 1986.

29. Lefkowitz M, Kornbluth J, Tomaszewski J, and Jorkasky D: Natural killer activity in cyclosporine-treated renal transplant recipients. Presented at the Annual Meeting of the American Society of Nephrology, Washington, D.C., 1986.

30. Taylor DS, Nowell P, and Kornbluth J: Anti-HLA class I antibodies inhibit the proliferation and maturation of human B lymphocytes. Presented at the Annual Meeting of the Philadelphia Immunology Society, 1986.

31. Kornbluth J, and Hoover R: Changes in gene expression associated with activation of natural killer (NK) function. Presented at the 18th International Leukocyte Culture Conference, La Grande-Motte, France, 1987.

32. Kornbluth J, and Hoover R: Anti-HLA antibodies alter gene expression in human natural killer cells. Presented at the Annual Meeting of the American Society of Histocompatibility and Immunogenetics, New York, NY, 1987.

33. Leiden JM and Kornbluth J: The role of class I HLA expression in NK target susceptibility: Expression of a transfected cloned human HLA-A2 gene does not alter the NK target susceptibility of K562 cells. Presented at the Fifth International Workshop on Natural Killer Cells, Hilton Head, SC, 1988. Natural Immunity and

Cell Growth Regulation 7:60, 1988.

34. Kornbluth J and Hoover R: Changes in gene expression associated with natural killer function. Presented at the Fifth International Workshop on Natural Killer Cells, Hilton Head, SC, 1988. Natural Immunity and Cell Growth Regulation 7:42, 1988.

35. Taylor DS, Moore JS, Nowell PC, and Kornbluth J: Anti-HLA class I antibodies inhibit the T-cell independent maturation of human B lymphocytes. Presented at the Annual Meeting of the F.A.S.E.B., Las Vegas, NV, 1988. The F.A.S.E.B. Journal 2:A1664, 1988.

36. Kornbluth J, Taylor D, and Searfoss L: Inhibition of CD3-induced T cell gene activation by anti-HLA class I antibodies. Presented at the Fourth International Conference on Human Leukocyte Differentiation Antigens, Vienna, Austria, 1989. Tissue Antigens 33:87, 1989.

37. Kornbluth J and Searfoss L: C-myb protooncogene levels correlate with IL-2 and interferon-beta-induced augmentation of NK activity. Presented at the Sixth International Natural Killer Cell Workshop, Goslar, West Germany, 1989. Natural Immunity and Cell Growth Regulation 8:139-140, 1989.

38. Searfoss L and Kornbluth J: A potential role for the proto-oncogene c-myb in the IL-2 and IFN-mediated augmentation of human NK cell lytic activity. Presented at the Seventh Annual Texas Regional Immunology Conference, Oklahoma City, OK,1989.

39. Hayakawa K, Salmeron MA, Kornbluth J, Suzuki R, and Itoh K: Natural killer cell-renal cell carcinoma interactions. Presented at the Annual Meeting of the American Association for Cancer Research, Washington, DC, 1990. Proc. Ann. Meet. Am. Assoc. Cancer. Res. 31: A1476, 1990.

40. Bianchi A, Dodd L, and Kornbluth J: Selective deficiency in the ability of LAK cells from patients with multiple myeloma to lyse myeloma tumor cells. Presented at the Annual Meeting of the American Society of Hematology, Boston, MA, 1990. Blood 76: 201a, 1990.

41. McIntyre BW, Bednarczyk JL, and Kornbluth J: Activated human NK cells utilize the integrin VLA-4 for selective cytolysis of tumor cells but not for the induction of homotypic aggregation. Presented at the Annual Meeting of the American Association for Cancer Research, Houston, TX, 1991. Proc. Ann. Meet. Am. Assoc. Cancer Res. 32: A1396 (p. 235), 1991.

42. Hoover RG, Page R, Kornbluth J, Epstein J, Woodliff J, and Barlogie B: Growth regulation of IgG secreting myeloma cells by CD3+CD16+ host lymphocytes. Presented at the Annual Meeting of the American Society of Hematology, Denver,

CO, 1991. Blood 78: 125a, 1991.

43. Bianchi A, Gray P, and Kornbluth J: High levels of LAK activity induced from the bone marrow of multiple myeloma patients. Presented at the Annual Meeting of the American Society of Hematology, Denver, CO, 1991. Blood 78: 115a,1991.

44. Kornbluth J, and Bianchi A: Anti-myeloma tumor cell activity of LAK cells generated from the peripheral blood and bone marrow of patients with multiple myeloma. Presented at the Third International Workshop on Multiple Myeloma, Torino, Italy, 1991.

45. Kornbluth J: Immunoregulation of human multiple myeloma. Presented at the First International Meeting of Comparative Biology and Therapy of Chronic B Cell Malignancies, Little Rock, AR, 1991.

46. Schorey J and Kornbluth J: Identification and characterization of genes differentially expressed by IFN-beta activated NK cells. Presented at the Annual Meeting of the F.A.S.E.B., Anaheim, CA, 1992. FASEB J. 6:A1422, 1992.

47. Shallal S, Bianchi A, and Kornbluth J: Modulation of myeloma cell sensitivity to LAK-mediated lysis with pokeweed mitogen (PWM). Presented at the Annual Meeting of the American Association for Cancer Research, San Diego, CA, 1992. Proc. Ann. Meet. Am. Assoc. Cancer Res. 33: A9960, 1992.

48. McIntyre B and Kornbluth J: Role of VLA-4 in the lytic function of natural killer cells. Presented at the Eighth International Natural Killer Cell Workshop and First Meeting of the Society for Natural Immunity, St. Petersburg Beach, FL, 1992. Natural Immunity 11:277, 1992.

49. Schorey J and Kornbluth J: Identification of genes selectively expressed by activated NK cells. Presented at the Eighth International Natural Killer Cell Workshop and First Meeting of the Society for Natural Immunity, St. Petersburg Beach, FL, 1992. Natural Immunity 11:265, 1992.

50. Hoover RG, Lary L, Page R, Kornbluth J, Epstein J, Woodliff J, and Barlogie B: Growth regulation of IgG secreting myeloma cells by CD16+ host lymphocytes. Presented at the Keystone Symposia on B Cell Immunobiology and Human Disease, Taos, NM, 1993. J. Cell. Biochem. 17B: F408 (p. 189), 1993.

51. Kornbluth J, Shallal S, and Gray P: Role of CD9 in B cell susceptibility to lysis by lymphokine-activated killer (LAK) cells. Presented at the Keystone Symposium on B Cell Immunobiology and Human Disease, Taos, NM, 1993. J. Cell. Biochem. 17B: F409 (p. 189), 1993.

52. Vesole D, Kornbluth J, Jagannath S, Sznol M, Mattox S, Vaught L, Tricot G, and Barlogie B: Biological response modifiers (BRM) in refractory multiple myeloma

(MM): Lack of clinical efficacy of recombinant human interleukin-4 (rhIL-4) and all-trans retinoic acid (ATRA). Presented at the Annual Meeting of the American Society of Hematology, St. Louis, MO, 1993. Blood 82: A1037 (p.263a), 1993.

53. Kornbluth J, Sneed T, Page R, and Hoover RG: Effective treatment of established myeloma tumors in SCID mice with human natural killer cells and interleukins (IL-2 and IL-4). Presented at the Annual Meeting of the American Society of Hematology, St. Louis, MO, 1993. Blood 82: A1039 (263a),1993.

54. Baltz B, Travis P, Gray P, and Kornbluth J: IL-12 induction of anti-tumor cytolytic activity and interferon gamma production in multiple myeloma. Presented at the Annual Meeting of the American Society of Hematology, St. Louis, MO, 1993. Blood 82: A1040 (p. 264a), 1993.

55. Guba SC and Kornbluth J: Potential role of CD28-B7 autostimulation in the proliferation of myeloma plasma cells. Presented at the Annual Meeting of the American Association for Cancer Research, San Francisco, CA, 1994. Proc. Am. Assoc. Cancer Res. 35: 3091 (p. 518), 1994.

56. Munshi NC, Ding LM, Kornbluth J, Naugler S, Saylors R, Iyer R, Srivastava A, Hoover R, and Barlogie B: Gene therapy strategies for the treatment of multiple myeloma. Presented at the Annual Meeting of the American Society of Hematology, Nashville, TN, 1994. Blood 84: 672 (p.172a), 1994.

57. Kornbluth J, Gray P, and Woodliff J: Expression of CD28 and B7 by myeloma cell lines and tumor cells from myeloma patients. Presented at the Annual Meeting of the American Society of Hematology, Nashville, TN. Blood 84: 697 (p.178a), 1994.

58. Kozlowski M and Kornbluth J: Identification of a novel gene associated with natural killer cytolytic function. Presented at the Annual Meeting of the American Association for Cancer Research, Toronto, Canada, 1995. Proc. Amer. Assn. Cancer Res. 36:473, 1994.

59. Kornbluth J: Modulation of myeloma susceptibility to cell-mediated cytolysis by cytokines. Presented at the Vth International Workshop on Multiple Myeloma, La Baule, France, 1995.

60. Kornbluth J, Kozlowski M, and Portis T: Identification of a novel cytokine-inducible gene associated with NK cytolytic activity. Presented at the Third International Workshop for the Society for Natural Immunity, Channel Islands, California, 1995. Natural Immunity 14:72, 1995.

61. Munshi NC, Govindarajan R, Barlogie B, Drake R, Ding LM, Iyer R, Saylors R, Kornbluth J, Marcus S, Chiang Y, Ennist D, Reynolds C, and Tricot G: Thymidine kinase (TK) gene transduced human lymphocytes can be killed with ganciclovir-preclinical studies. Presented at the Annual Meeting of the American Society of

Hematology, Seattle, Washington. Blood 86: 4001 (p. 1003a), 1995.

62. Munshi NC, Ding LM, Dahle L, Kornbluth J, Naugler S, Mahavi D, and Srivastava A: GM-CSF transduction of the tumor cells provides lasting immune response in multiple myeloma. Presented at the Annual Meeting of the American Society of Hematology, Orlando, FL. Blood 88: 2330 (p. 585a), 1996.

63. Portis T, Grigoriev V, Hoover RG, and Kornbluth J: Characterization of mouse and human NKLAM, a gene involved in cell-mediated cytolysis. Presented at the IV International Workshop of the Society for Natural Immunity, Helsinki, Finland. Nat. Immunity 15:194, 1997.

64. Portis T, Grigoriev V, and Kornbluth J: Studies of human and mouse NKLAM: A molecule involved in cell-mediated cytolysis. Presented at the Fifth Annual Meeting of the Society for Natural Immunity and Seventeenth International Natural Killer Cell Workshop, Warrenton, Virginia, 1998.

65. Hoover RG, Grigoriev V, and Kornbluth J: NKLAM, a component of NK cytolytic granules, is involved in perforin-mediated cytotoxicity but not in Fas-mediated killing. Presented at the Sixth Annual Meeting of the Society for Natural Immunity and Eighteenth International Natural Killer Cell Workshop, Hyeres, France, 2000.

66. Fortier J, and Kornbluth J. Protein-protein interactions associated with cytokine regulation of NK function. Presented at the Seventh Annual Meeting of the Society for Natural Immunity and Nineteenth International Natural Killer Cell Workshop, San Juan, Puerto Rico, 2002.

67. Fortier J and Kornbluth J. The role of RING finger protein interactions in cell-mediated cytotoxicity. Presented at the American Association of Immunologists, Denver, CO, 2003. FASEB J. 17:375, 2003.

68. Kornbluth J, Avery J and Hoover RG. Reduction in NK function in NKLAM-deficient mice. Presented at the Eighth Annual Meeting of the Society for Natural Immunity and Twentieth International Natural Killer Cell Workshop, Noordwijkerhout, The Netherlands, 2004.

69. Kornbluth J and Hoover RG. Impaired NK function and enhanced tumor growth in NKLAM-deficient mice. Presented at the 10th Annual Meeting of the Society for Natural Immunity, Cambridge, England, 2007.

70. Ambrose E and Kornbluth J. Role of uridine kinase-like 1 (UCKL-1) in NK-mediated tumor cytotoxicity. Presented at the Annual Meeting of the American Association of Immunologists, Seattle, WA, 2009.

71. Ambrose E, Gullickson G and Kornbluth J. Over-expression of uridine cytidine kinase like-1 (UCKL-1) protects tumor cells from NK-mediated lysis *in vitro* and *in*

vivo. Presented at the Annual Meeting of the American Association of Immunologists, San Francisco, CA 2011.