

Kenneth James Blank, Ph.D.

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Education and Degrees

B.A., Biology, New York University, University College of Arts and Science, Bronx, NY, 1970
Ph.D., Genetics, Albert Einstein College of Medicine, Sue Golding Graduate Division of Medical Sciences, Yeshiva University, Bronx, NY, 1976

Graduate Education

Postdoctoral, laboratory of Dr. Frank Lilly, Albert Einstein College of Medicine, Yeshiva University, Bronx, NY, 1976-77
Postdoctoral, laboratory of Dr. Darcy Wilson, University of Pennsylvania School of Medicine, Philadelphia, PA, 1977-81

Appointments

Research Associate, University of Pennsylvania School of Medicine, Philadelphia, PA, 1979-81
Research Assistant Professor, Department of Pathology and Laboratory Medicine, Division of Research Immunology, University of Pennsylvania School of Medicine, Philadelphia, PA, 1981-84
Assistant Professor, Department of Pathology and Laboratory Medicine, Division of Research Immunology, University of Pennsylvania School of Medicine, Philadelphia, PA, 1984-86
Associate Professor, Department of Microbiology and Immunology, Temple University School of Medicine, Philadelphia, PA, 1986-91
Associate Professor, Fels Institute for Cancer Research and Molecular Biology, Temple University School of Medicine, Philadelphia, PA, 1987-91
Director, Graduate Program in Experimental Pathology, Hahnemann University School of Medicine, Philadelphia, PA. 1991-1994
Professor, Department of Pathology and Laboratory Medicine, Hahnemann University School of Medicine, Philadelphia, PA, 1991-1994
Professor, Department of Pathology and Laboratory Medicine, Allegheny University of the Health Sciences (formerly Medical College of Pennsylvania and Hahnemann University School of Medicine), Philadelphia, PA, 1994-present
Associate Dean, Research, Allegheny University of the Health Sciences, MCP Hahnemann School of Medicine, Philadelphia, PA, 1994-1998.

Founding Director, Graduate Program in Molecular Pathobiology, Allegheny University of the Health Sciences, MCP Hahnemann School of Medicine, Philadelphia, PA, 1994-1996.

Associate Director, Research, Cancer Center, Allegheny University of the Health Sciences, Philadelphia, PA., 1997-1998.

Professor, Drexel University College of Medicine (formerly MCP Hahnemann School of Medicine), Department of Pathology and Laboratory Medicine, Philadelphia, PA. 1998-present.

Associate Vice President, Research and Graduate Studies, MCP Hahnemann and Drexel Universities, Philadelphia, PA. 1998-2001

Director, National Bioterrorism Civilian Medical Response Center, Philadelphia, PA., 2000-2004.

Director, Applied Communications and Information Networking, Philadelphia, PA. And Camden, N.J., 2003-2004

Senior Associate Vice Provost for Research and Graduate Studies, Drexel University, Philadelphia, PA. 2001-2006

Vice Provost for Research, Drexel University, Philadelphia, PA. 2006-2009

Professor of Biology, Northeastern University, Boston, MA, 2009-present

Professor of Pharmaceutical Sciences, Northeastern University, Boston, MA, 2009-present

Vice Provost for Research, Northeastern University, Boston, MA, 2009-2010

Professor of Biology, Temple University, Philadelphia, PA. 2010-2012

Senior Vice Provost for Research and Graduate Education, Temple University, Philadelphia, PA. 2010-2012

Professor of Biology, Rowan University, Glassboro, NJ, 2012-2018

Senior Vice President for Health Sciences, Rowan University, Cooper Medical School of Rowan University, Rowan School of Osteopathic Medicine, Glassboro, NJ, 2012-2018

President, University Research Strategies, LLC, Boca Raton, FL, 2018-present

Professional Activities

University City Science Center, Vice Chair, Board of Directors, 2010-present

National Academy of Inventors, Fellow, 2015-present

College of Physicians of Philadelphia, Fellow, 2011-present

Greater Philadelphia Congress of Life Sciences, Member, 2007-present

State of New Jersey Council on Innovation, Member, 2012-present

New Jersey Innovation Institute, Member, Board of Directors, 2015-present

DiSepio Institute for Rural Health and Wellness at Saint Francis University, Member, Board of Directors, 2011-present

Philadelphia Youth Orchestra, Member, Board of Trustees, 2011-present

Life Sciences Leadership Council, Commonwealth of Pennsylvania, Member, 2011-present

STEMchain Limited, Member, Advisory Board, 2018-present

New Jersey Business and Industry Association, Task Force on Postsecondary Education, Member, 2017-present

Editorial Board, Technology and Innovation: Journal of the National Academy of

Inventors, Member of the Editorial Board, 2016-present

Awards and Honors

Postdoctoral Fellow, National Cancer Institute
Fellow, Cancer Research Institute, Inc.
Scholar, Leukemia Society of American
Fellow, College of Physicians of Philadelphia
Fellow, National Academy of Inventors

Patents

1. Vortex reactor and method of using it, Serial # US 10/560,537, WO PCT/US2004/19590
2. Device for the Generation of pulsed corona discharge, Serial # US 12/373,618, WO PCT/US2007/07346, EP 07799373.6
3. Method and device for air disinfection and sterilization, Serial # US 12/377,904

Grants and Contracts

Robert Wood Johnson Foundation, “Supporting Development of Health Care Research and Education Programs in Southern New Jersey”, \$3.04M, 7/1/14-6/30/15
DOD/CERDEC, “Applied Communications and Information Networking”, \$10.3M, 4/1/04-3/31/05
DOD/CECOM, “Applied Communications and Information Networking”, \$12M, 4/1/03-3/31/04
DOD/TATRC, “Center of Excellence for Bio-Chem”, \$1.2M, 1/01/03-12/31/03
DHHS/OEP, “Enhancing the Civilian Medical Community’s Response During the Earliest Stages of a Bioterrorist Attack”, \$500,000, 10/1/01-9/30/02.
DOD/TATRC, “Center of Excellence for Bio-Chem”, \$100,367 (subcontract from Mercy Health System), 4/25/02-7/31/02
DOD/TATRC, “Healthcare Disaster Preparedness Task Force”, \$31,433 (subcontract from Mercy Health System), 10/1/01-2/28/02
DHHS, “National Chemical and Biological Research Center”, \$925,000, 6/1/00-5/31/01
NIH/NIA “Persistent Virus Infection in Aged Mice”, \$1,791,948 (Co-P.I.), 4/15/98-3/31/04
NIH/NCI, “Immunogenetics of Long-term Survival in MuLV Infection”, \$781,016 - TDC, 12/15/94-11/30/98
NIH/NIAID, “Murine Retrovirus Infection and Resistance to Candida”, \$579,657 - TDC, 11/1/88-10/31/93
NIH/NIAID, “Genetic Basis for Persistent MuLV Infection”, \$472,815 - TDC,

11/1/89-10/31/94
NIH/NIAID, "Isolation and Characterization of Rodent Lentiviruses", (P.I., Dr. Ruth Ruprecht, Dana Farber Cancer Institute; P.I. of consortium, K. Blank), \$270,240 - TDC of consortium, 2/1/90-1/31/95
American Institute for Cancer Research, "Effect of Caloric Restriction on Endogenous Retrovirus Expression and Lymphoma Development in Aged Rodents", \$100,000 - TDC, 1/1/93-12/31/95
NIH/NCI, "T Cell Nonresponsiveness in Gross Virus-Infected Mice", \$460,625 - TDC, 5/1/84-12/31/90
NIH, RFA: NIA Small Grant Programs for Pilot Studies, "Characterization of Leukemias in Aged Mice", \$15,000 - TDC (nonrenewable), 8/1/86-7/31/87
American Cancer Society, "Effect of Alpha/Beta Interferon on T Cell Proliferation", postdoctoral fellowship awarded to Dr. Lisa McKernan, \$17,500, 7/1/85-6/30/86
Cancer Research Institute, "Effect of MuLV Infection Beta2 Microglobulin-Associated Molecules", postdoctoral fellowship awarded to Dr. Karen Klyczek, \$78,500 - TDC, 7/1/85-6/30/88
Leukemia Society of America, "Control of MuLV Production and Effect of Virus Expression on Immune Responsiveness to MuLV-Induced Cell Surface Antigens", \$135,000 - TDC (nonrenewable), 7/1/84-6/30/89
Cancer Research Institute, "Effect of H-2 Expression on MuLV Production", \$80,000 - TDC (nonrenewable), 7/1/83-6/30/85

Committee Memberships

University of Pennsylvania School of Medicine

Department -

Admissions and Students Affairs Committee, Immunology Graduate Group, 1982-86

Admissions Committee, Genetics Graduate Group, 1984-86

Computer Organization Committee, Department of Pathology and Laboratory Medicine, 1985

School of Medicine -

Animal Facility Committee (Medical School), 1983-86

Admissions Committee, Biomedical Research Program, 1984-86

Faculty Advising Program (for medical students), 1985-86

Selection Committee for Medical Student Research Awards, 1985-86

Interview Panel, Medical School Committee on Admissions, 1986

Children's Hospital of Philadelphia

Animal Facility Committee, 1983-87

Temple University School of Medicine

Department -

Chairman, Seminar Program Committee, 1986-87

Chairman, Equipment and Storage Committee, 1987-91

Preliminary Examination Committee, 1987-88

Training Grant Renewal Committee, 1987-89
Chairman, Curriculum Committee, 1988-89
Chairman, Recruitment Committee, 1988-91
Admissions Committee, 1989-91

School of Medicine -

Animal Facility Committee, 1986-91
Chairman, Flow Microfluorimetry Committee, 1988-91

Hahnemann University

University Research Council, 1991-94
Graduate Council, 1991-94
Research Retreat Planning Group, 1992-94
Research Development Working Group, 1992-94
Executive Faculty Steering Committee, 1992-94
Chairman, Research Faculty Liaison Panel, 1991-94
University Task Force on Academic Communication, 1992-94
University Intellectual Property Committee, 1992-94
Task Force on Developing a Basic Science Core Curriculum, 1992-94
Research Information System Advisory Committee, 1992-94
Task Force for the Development of Criteria for Appointments and Promotions, 1992
Local Area Network Steering Committee, 1993-94
Committee for the Development of an Integrated Graduate Program, 1992
Executive Faculty Task Force for Planning and Budget, 1993-94
University Academic Affairs Council, 1993-94
Assessment of Gift, Grant & Contract Activity Ad Hoc Study Group, 1993
Director, Graduate Program in Experimental Pathology, 1991-1994

Allegheny University of the Health Sciences (formerly Medical College of Pennsylvania and Hahnemann University)

University Research Committee, 1994-1998
Academic Informatics Committee, 1994-1998
Research Faculty Liaison Panel (Chair), 1994-1996
Cancer Committee (HUH), 1996-present
University Local Area Network Committee (Chair), 1996-1998
Middle States Association Accreditation Task Force, Co-Chair, Subcommittee for Mission, Goals and Objectives, Governance, and Integrity, 1996
Academic Informatics Vision Task Force, 1996
Director, Graduate Program in Molecular Pathobiology, 1994-1996

Drexel University

University Advisory Committee developing the “Code of Conduct”, 2003

Chair, Liaison Committee on Undergraduate Research, 2008

Membership in Professional Societies

American Association for Cancer Research

Review Groups

NIH Special Review Group - Animal Models of AIDS, November, 1988

NIH AIDS Review Group, 1988-90

NIH Cancer Biology - Immunology Contracts Review Committee, 1989-1994

NIH Immunobiology Study Section, Ad Hoc Reviewer - 1991

NCI, Site Visit Team, 1995

Department of Defense, US Army Medical Research and Materiel Command,

Immunology Review Group, Breast Cancer Research Program, 1995

NCI, DAIDS, Ad Hoc Review Group, May 1996

Chair, NCI Special Emphasis Panel, Studies of the Viral Etiology of
AIDS-Associated Malignancies, 1996.

Member, NIH Vaccine Review Group (ZRG1 VACC), 1999-2002

Journal Reviewer

Journal of Immunology

Proceedings of the National Academy of Sciences (USA)

Microbial Pathogenesis

Journal of Leukocyte Biology

Experimental Eye Research

Clinical Immunology and Immunopathology

Editorial Positions

Clinical Immunology and Immunology, 1989-1995

Member of the Editorial Board, Technology and Innovation: Journal of the
National Academy of Innovation, 2016-present

Consultantships

International Cancer Research Data Bank, Cancer Information Dissemination
and Analysis Center, Philadelphia, PA

Quality Biological, Inc., Camden, NJ

National Retinitis Pigmentosa Foundation, Baltimore, MD

Tektagen, Inc., Malvern, PA

Conrex Pharmaceuticals, Malvern, PA

Merck, Malvern, PA.

Research Interests

Molecular and cellular basis for host/virus interactions in the development of persistent
retrovirus infection and retrovirus-induced leukemogenesis.

Conference Organization

Session Co-Chair - Philadelphia Immunology Conference, 1980-85, 1987

Organizer - Philadelphia Immunology Conference, 1985
Session Co-Chair - First International Congress on Cytokines Research.
“Effects of Interferon on the Immune Response”, 1986
Session Co-Chair - “Host Defenses and Immunomodulation to Intracellular Pathogens”,
sponsored by the Eastern PA Branch of the American Society for
Microbiology, 1987
Moderator – “New Paradigms in Infectious Disease” Conference “Genomic
Interactions Between Pathogens and Host” session, 2000

Teaching

University of Pennsylvania School of Medicine

Course Director and Lecturer - Fundamentals of Immunology - 1983-85
Lecturer - Fundamental Virology, 1983-87
Lecturer - Genetic Systems, 1984 and 1986
Lecturer - Medical Immunology, 1984-87

Temple University School of Medicine

Lecturer - Advanced Immunology, 1986
Lecturer - Fundamental Immunology, 1986-90
Lecturer - Medical Microbiology, 1986-90
Course Director and Lecturer - Immunogenetics, 1987-91

Medical College of Pennsylvania

Lecturer - Graduate Immunology, 1985-92
Lecturer - Medical Microbiology, 1991-92

Hahnemann University

Lecturer - Medical Pathology, 1991-6/96
Lecturer - Advanced Immunology and Microbial Pathogenesis, 1991-6/96
Conference Leader - Human Genetics, 1991-6/96

Allegheny University of the Health Sciences

Lecturer - Medical Pathology, 1996-1998

Lecturer - Advanced Immunology and Microbial Pathogenesis, 1996-1998
Conference Leader - Human Genetics, 1996-1998

MCP Hahnemann University

Lecturer - Medical Pathology, 1998-2001
Lecturer - Cancer Biology, 1998-2001
Lecturer- Medical Genetics, 1999-2001
Conference Leader – Medical Genetics 1999-2001
Conference Leader – Medical Immunology, 1999-2001

**Graduate Students Directed
University of Pennsylvania School of Medicine**

John Wolfe,

Ph.D. awarded 1985 D.V.M./Ph.D. Program, Immunology Graduate Group
Postdoctoral training - Memorial Sloane-Kettering Institute
Present position – Professor of Pathobiology, University of Pennsylvania
School of Veterinary Medicine

Judith Pozsgay

Ph.D. awarded 1989 Genetics Graduate Group
Postdoctoral training - Johns Hopkins School of Medicine
Present position - None

Sylvia Jones

Ph.D. awarded 1989 Immunology Graduate Group
Postdoctoral training: Cornell University School of Veterinary Medicine
Present position – Unknown

Louis Rosenthal

Ph.D. awarded 1992 Immunology Graduate Group
Postdoctoral training: Temple University College of Medicine
Present position – Scientific Review Officer, NIAID, Immunology Branch

Temple University, Department of Microbiology and Immunology

Thomas Bartman,

Ph.D. awarded 1994 M.D./Ph.D. Program, Microbiology and Immunology
Graduate Program
Resident, Pediatrics, University of California, San Francisco
Associate Professor, Departments of Neonatology and Developmental
Biology, Nationwide Children's Hospital, Columbus, OH

Marlena Moors (Wescott)

Ph.D. awarded 1992; Microbiology and Immunology Graduate Program
Postdoctoral training – University of Pennsylvania
Present position – Assistant Professor, Department of Microbiology and
Immunology, Wake Forest Baptist Medical Center

John Dzuris

Ph.D. awarded 1994; Microbiology and Immunology Graduate Program
Postdoctoral training: University of Pennsylvania
Present position – Director of Immunology - Lab Head, Drug Discovery
R&D, ImmusanT Cambridge, MA

Robert Townsend

Ph.D. awarded 1994; Microbiology and Immunology Graduate Program
Present position – Group Director Clinical Biomarker Immunology and
Virology at Bristol-Myers Squibb

Allegheny University of the Health Sciences (formerly Medical College of
Pennsylvania and Hahnemann University)

Nili Avidan

Ph.D. awarded 1995; Molecular Pathobiology Graduate Program
Postdoctoral trainee – Pediatric Hematology Laboratory, Felsenstein
Research Center, Rabin Medical Center, Petah Tikva, Israel.
Last known position-Weizmann Institute of Science, Assistant Staff Scientist,
Department of Molecular Genetics, Bioinformatics and Biological
Computing, Rehovot, Israel

Vily Panoutsakopoulou Molecular Pathobiology Graduate Program

Ph.D. awarded 1998
Postdoctoral trainee, Dana Farber Cancer Center, Boston, MA
Present Position – Associate Professor, Foundation for Biomedical Research,
Academy of Athens, Athens, Greece

Rocio Mulero-Marchese

Ph.D. awarded 1999 Molecular Pathobiology Graduate Program
Present position - Director, Clinical Research. Sr. Clinical Assay Specialist.
Merck & Co.

Jason Halegoua

Ph.D. awarded 2000 Molecular Pathobiology Graduate Program, M.D./Ph.D. `
Program Residency – Pediatrics, North Shore Hospital
Present position – Private Practice

Christopher Little

Ph.D. awarded 2001 Molecular Pathobiology Graduate Program
Postdoctoral training – Philadelphia College of Osteopathic Medicine
Present position – Associate Professor of Pathology, Microbiology &

Immunology, Department of Bio-Medical Sciences , Philadelphia College of Osteopathic Medicine

Mohamed Elfarai

Ph.D. awarded 2001 (Microbiology and Immunology Graduate Program)

Present position – Senior Associate Consultant & Director of the Histocompatibility Laboratory at Mayo Clinic

Postdoctoral Trainees

Dennis Taub, Ph.D.

Present position: Chief, Clinical Immunology Section and Senior Scientist and Director, Center for Translational Studies, VA Medical Center, Washington DC

Karen Klyzcek, Ph.D.

Received a Cancer Research Institute Postdoctoral Fellowship,
Present position: Professor, Department of Biology, University of Wisconsin - River Falls

Lisa McKernan, Ph.D.

Received an American Cancer Society Postdoctoral Fellowship
Present position – Unknown

Publications

A. Thesis - Studies of Fv-2-Mediated Resistance to Friend Leukemia Virus, Albert Einstein College of Medicine, 1977.

B. Articles Published - Journals

1. Blank, K.J., Freedman, H.A., Lilly, F. T cell response to Friend virus-induced tumor cell lines in mice congenic at H-2. *Nature* **260**:250-252, 1976.
2. Blank, K.J., Steeves, R.A., Lilly, F. The Fv-2 resistance gene in mice; its effect on spleen colony formation by Friend virus transformed cells. *J. Natl. Cancer Inst.* **57**:925-929, 1976.
3. Bubbers, J.E., Blank, K.J., Freedman, H.A., Lilly, F. Mechanisms of the H-2 effect on viral leukemogenesis. *Scand. J. Immunol.* **6**:335-341, 1977.
4. Blank, K.J., Lilly F. Construction of a DBA/2:Fv-2r congenic strain; apparent lethality of the homozygous Fv-2r genotype. *J. Natl. Cancer Inst.* **59**:1335-1336, 1977.
5. Blank, K.J., Lilly, F. Evidence for an H-2/viral protein complex on the cell surface as the basis for H-2 restriction of cytotoxicity. *Nature* **269**:808-809,

1977.

6. Duran-Reynals, M.L., Lilly, F., Bosch, A., Blank, K.J. The genetic basis of susceptibility to leukemia induction in mice by 3-methylcholanthrene applied percutaneously. *J. Exp. Med.* **147**:459-469, 1978.
7. Blank, K.J., Murasko, D.M. Induction of interferon in AKR mice by murine leukemia viruses. *Nature* **283**:494-495, 1980.
8. Blank, K.J., Pincus, T. Evidence that ecotropic virus is not expressed in AKR thymic lymphoid cells of chimeric hosts. *J. Exp. Med.* **152**:485-462, 1980.
9. Murasko, D.M., Blank, K.J. Transplacental interferon-mediated effect in AKR mice. *Virology* **106**:148-151, 1980.
10. Wolfe, J.H., Blank, K.J., Pincus, T. Variation in RNA tumor virus expression in H-2 congenic tumor cell lines. *Immunogenetics* **12**:187-190, 1981.
11. Blank, K.J., Murasko, D.M. Effect of anti-interferon serum on Friend virus infection and Fv-2 mediated resistance. *J. Interferon Res.* **2**:59-63, 1982.
12. Gadzik, J.P., Naji, A., Barker, C.F., Blank, K.J. Inhibition of virus-induced murine diabetes by an interferon inducer. *J. Interferon Res.* **2**:59-63, 1982.
13. Wettstein, P.J., Blank, K.J. Use of H-2:H-7 congenic mice to study H-2 mediated resistance to Friend leukemia virus. *J. Immunol.* **129**:358-361, 1982.
14. Korngold, R., Blank, K.J., Murasko, D.M. Effect of endogenous interferon production on the level of thoracic duct lymphocyte output: induction with either poly I-poly C or vaccinia virus. *J. Immunol.* **130**:2236-2240, 1983.
15. Wolfe, J.H., Blank, K.J. Identification of a variant of Gross murine leukemia virus which induces thymomas after inoculation of adult mice. *J. Exp. Med.* **158**:629-634, 1983.
16. Wolfe, J.H., Blankenhorn, E.P., Blank, K.J. Production of viral proteins in Gross virus-induced cell lines congenic at the H-2 complex. *J. Virol.* **49**:14-19, 1984.
17. Blank, K.J., McKernan, L.N., Murasko, D.M. In vivo treatment with alpha/beta interferons or poly I:C inhibits antigen presentation by peritoneal macrophages. *J. Interferon Res.* **5**:215-221, 1985.
18. Jones, S. Spear, B., Gaudet, L., Pozsgay, J., Yao, D., Klyczek, K.K., Blank, K.J. Antigenic changes in gp70 associated with the adult variant of Gross murine leukemia virus. *Micro. Pathogenesis.* **1**:275-282, 1986.

19. Blank, K.J., Klyczek, K.K. Host genetic control of retrovirus-induced leukemogenesis in the mouse: direct genetic and epistatic effects. *J. Leukocyte Biol.* **40**:479-490, 1986.
20. Wolfe, J.H., Blank, K.J. H-2-linked control of retrovirus production in Gross virus and Friend virus-induced tumor cell lines. *J. Virol.* **58**:782-789, 1986.
21. Klyczek, K.K., Murasko, D.M., Blank, K.J. Interferon gamma, interferon alpha/beta and tumor necrosis factor differentially affect MHC class I expression in murine leukemia virus-induced tumor cell lines. *J. Immunol.* **139**:2641-2648, 1987.
22. Wegmann, K.W., Blank, K.J., Green, W.R. Induction of anti-MuLV cytotoxic T lymphocytes in the AKR.H-2b and AKR.H-2b:Fv-1b mouse strains. *Cell Immunol.* **113**:308-319, 1988.
23. McKernan, L.N., Blank, K.J., Murasko, D.M. Inhibition of macrophage-induced antigen specific T cell proliferation by gamma interferon. *Cell Immunol.* **114**:432-439, 1988.
24. Blank, K.J., Rosenthal, L.A., Hilbert, D.M., Hoover, R.G. H-2 associated development of spontaneous non-thymic lymphoma in aged mice. *Aging: Immunol. Infect. Disease* **1**:57-64, 1988.
25. Klyczek, K.K., Blank, K.J. Novel class I-like molecular expressed on a murine leukemia virus-transformed cell line. *Cell Immunol.* **118**:222-228, 1989.
26. Monroe, J.G., Blank, K.J., Owen, C.S., Sykes, N. Signaling through sIgA on novel B murine lymphoma. *Molec. Immunol.* **26**:593-599, 1989.
27. Pozsgay, J.M., Klyczek, K.K., Blank, K.J. Generation of antigenic variation in murine retroviruses. *Virology* **173**:330-334, 1989.
28. Hashimoto, Y., Blank, K.J. T cell receptor gene expression and rearrangement in virus-transformed murine T cell lines representing early T cell development. *J. Immunol.* **144**:1518-1528, 1990.
29. Simonian, N.A., Rosenthal, L.A., Korostoff, J.M., Hickey, W.F., Blank, K.J., Gaulton, G.N. Specific infection of central nervous system white matter by a murine retrovirus. *Virology* **177**:384-387, 1990.
30. Moors, M.A., Jones, S.M., Klyczek, K.K., Roger, T.J., Buckley, H.R., Blank, K.J. The effect of Friend leukemia virus infection on susceptibility to *Candida albicans*. *Infect. Immun.* **58**:1796-1801, 1990.

31. Korostoff, J.M., Nakada, M.T., Faas, S.J., Blank, K.J., Gaulton, G.N. Neonatal exposure to thymotropic murine leukemia virus induces virus specific immunologic nonresponsiveness. *J. Exp. Med.* **172**:1765-1775, 1990.
32. Punt, J.A., Kubo, R.T., Saito, T., Finkel, T.H., Kathiresan, S., Blank, K.J., Hashimoto, Y. Surface expression of a T cell receptor beta (TCR-beta) chain in the absence of TCR-alpha, -delta, and -gamma proteins. *J. Exp. Med.* **174**:775-784, 1991.
33. Jones, S.M., Moors, M.A., Ryan, Q., Klyczek, K.K., Blank, K.J. Altered macrophage antigen-presenting cell function following Friend leukemia virus infection. *Viral Immunol.* **5**:201-211, 1992.
34. Moors, M.A., Stull, T.L., Blank, K.J., Buckley, H.R., Mosser, D.M. A role for complement receptor-like molecules in an iron acquisition by *Candida albicans*. *J. Exp. Med.* **175**:1643-1651, 1992.
35. Rosenthal, L.A., Taub, D.D., Moors, M.A., Blank, K.J. Methylxanthine-induced inhibition of the antigen- and superantigen-specific activation of T- and B-lymphocytes. *Immunopharmacology* **24**:203-217, 1992.
36. Rosenthal, L.A., Klyczek, K.K., Blank, K.J. Interferon alpha/beta pentoxifylline, and caffeine synergize with interferon gamma to induce major histocompatibility complex class 1 expression on a constitutively class 1 negative murine tumor cell line. *J. Interferon Res.* **12**:403-410, 1992.
37. McDonnell, J.M., Blank, K.J., Rao, P.E., Jameson, B.A. Direct involvement of the CDR3-like domain of CD4 in T helper cell activation. *J. Immunol.*, **149**:1626-1630, 1992.
38. Rosenthal, L.A., Klyczek, K.K., Blank, K.J. Introduction of the H-2Dk gene into a class 1-negative tumor cell line confers interferon gamma-inducibility upon the silent endogenous H-2Kk gene. *Cellular Immunol.* **145**:43-55, 1992.
39. Tumas, K., Overmoyer, B., Clevenger, C.V., Blank, K.J., Prystowsky, M.B. Murine leukemia virus infection in immunocompetent adult mice. *Virology* **192**:1-10, 1993.
40. Rosenthal, L.A., Blank, K.J. Pentoxifylline- and caffeine-induced modulation of major histocompatibility complex class 1 expression on murine tumor lines. *Immunopharmacol.* **25**:145-161, 1993.
41. Tumas, K.M., Pozsgay, J.M., Avidan, N., Overmoyer, B., Blank, K.J., Prystowsky, M.B. Loss of antigenic epitopes as the result of env gene recombination in retrovirus-induced leukemia in immunocompetent mice.

- Virology* **192**:587-595, 1993.
42. Park, B.H., Lavi, E., Blank, K.J., Gaulton, G.N. Cerebral infarction and hemorrhage induced by endothelial cell infection with a murine leukemia virus. *J. Virol.* **67**:6015-6024, 1993.
 43. Sieck, T.G., Moors, M.A., Buckley, H.R., Blank, K.J. Protection against murine disseminated Candidiasis mediated by a *Candida albicans*-specific T cell line. *Infect. Immunol.* **61**:3540-3543, 1993.
 44. Taub, D.D., Blank, K.J. Superantigens and microbial pathogenesis. *Ann. Intern. Med.* **119**:89-90, 1993.
 45. Stewart, D.R., Kirschmann, D.A., Blank, K.J., Murasko, D.M. Differences between young and aged mice in susceptibility to Friend virus. *Mech. Aging Develop.* **73**:145-155, 1994.
 46. Bartman, T., Murasko, D.M., Sieck, T., Turturro, A., Hart, R., Blank, K.J. A murine leukemia virus expressed in aged DBA/2J mice is derived by recombination of the Emv-3 locus and another endogenous Gag sequence. *Virology* **203**:1-7, 1994.
 47. Bartman, T., Murasko, D.M., Blank, K.J. A replication competent, endogenous retrovirus from an aged DBA/2 mouse contains the complete env of Emv-3 but a novel gag partially related to AKT-8. *J. Virology* **69**:3224-3228, 1995.
 48. Avidan, N., Tumas-Brundage, K.M., Sieck, T.G., Prystowsky, M.B., Blank, K.J. Effect of non-H-2-linked genes on anti-virus immune responses and long-term survival in mice persistently infected with E-55+ murine leukemia virus. *Virology* **211**:507-515, 1995.
 49. Avidan, N., Tumas-Brundage, K.M., Sieck, T.G., Prystowsky, M.B., Blank, K.J. Effect of non-H-2-linked genes on anti-virus immune responses and long-term survival in mice persistently infected with E-55+ murine leukemia virus. *Virology* **211**:507-515, 1995.
 50. Tumas-Brundage, K.M., Garret, W., Blank, J.K., Prystowsky, M.B. Murine leukemia virus infects early bone marrow progenitors in immunocompetent mice. *Virology* **224**:573-575, 1996.
 51. Townsend, R., Dzuris, J.L., Mirza, I., Sieck, T.G., Coffman, F., Blank, K.J. Inhibition of T cell activation by an autoantibody induced by murine retrovirus infection. *Clin. Immunol. Immunopathol.* **82**:263-273, 1997.
 52. Panoutsakopoulou, V., Spring, P., Cort, L., Sylvester, J.E., Blank, K.J., Blankenhorn, E.P. Microsatellite typing of CXB recombinant inbred and

- parental mouse strains. *Mammalian Genome* **8**: 357-361, 1997.
53. Avidan, N., Sieck, T.G., Blank, K.J. Role of T cell subsets in mediating the early immune response against E-55+MuLV. *Clin Immunol Immunopathol* **85**:282-288, 1997.
 54. Mulero-Marchese, R.D., K.J. Blank, T.G. Sieck. Genetic basis for protection against experimental vaginal candidiasis by peripheral immunization. *J Infect Dis* **178**:227-234, 1998.
 55. Panoutsakopoulou, V., C.S. Little, T.G. Sieck, E.P. Blankenhorn, K.J. Blank. Differences in the immune response during the acute phase of E-55+ murine leukemia virus infection in progressor and long-term non-progressor mice. *J Immunol* **161**:17-26, 1998.
 56. Panoutsakopoulou, V., K. Hunter, T.G. Sieck, E.P. Blankenhorn, K.J. Blank. Genetic regulation of long-term nonprogression in E-55+ murine leukemia virus infection in mice. *J Virol* **73**:9232-9236, 1999.
 57. Mulero-Marchese, R.D., K.J. Blank, T.G. Sieck. Strain dependent migration of lymphocytes to the vaginal mucosa after peripheral immunization with *Candida albicans*. *Immunogenet* **49**:973-980, 1999.
 58. Tetiakova, A.P., Little, C.S., Blank, K.J., Jameson, B.A. *De novo* design cytotoxic T cell inhibitors. *Nature Biotechnology* **18**:984-988, 2000.
 59. Elfarai, M., Blank, K.J., Murasko, D.M. Prolonged E-55+ retrovirus expression in aged mice is associated with a decline in the anti-virus immune response. *Virology* **290**: 281-289, 2001.
 60. Elfarai, M., Blank, K.J., Murasko, D.M. Decreased IL-2, IFN-gamma, and IL-10 production by aged mice during the acute phase of E-55+ retrovirus infection. *Virology* **299**: 8-19, 2002.
 61. Jiang J., Anaraki, F., Blank, K.J., Murasko, D.M. Cutting edge: T cells from aged mice are resistant to depletion early during virus infection. *Journal of Immunology*. **171**:3353-3357, 2003

Chapters - Books

1. Steeves, R.A., Blank, K.J., Lilly, F. Genetic control of Friend virus-transformed colony-forming cells by the Fv-2 resistance gene in mice. *In: Comparative Leukemias Research 1975*, Bibl. Haemt. No. 43 (Yohn, D.S., ed.). Karger, Basal, pp. 151-153, 1976.
2. Blank, K.J., Bubbers, J.E., Lilly, F. H-2/viral protein interaction at the cell membrane as the basis for H-2-restricted T lymphocyte immunity. *In: ICN-UCLA Symposia on Molecular and Cellular Biology: Regulation of the Immune System* (Sercara, E., Herzenberg, L., Fox, C., ed.). Academic Press,

New York, pp. 607-614, 1977.

3. Steeves, R.A., Lily, F., Steinheider, G., Blank, K.J. The effect of the Fv-2r gene on spleen focus-forming virus and on embryonic development. *In: Differentiation of Normal and Neoplastic Hemmatopoietic Cells.* Cold Spring Harbor, pp. 591-600, 1978.
4. Plata, F., Blank, K.J., Lilly, F. Independent recognition by cytotoxic lymphocytes of antigens induced by Friend and Gross viruses in the mouse. *In: Current Trends in Tumor Immunology* (Ferrone, S., Herberman, R.B., Reisfeld, R.A., Gorini, L., ed.). Garland Publishing Inc., New York, pp. 155-159, 1979.
5. Brinton, M.A., Blank, K.J., Nathenson, N. Host Genes which Influence Susceptibility to Virus-Induced Diseases. *In: Concepts in Viral Pathogenesis* (Notkins, A.L., Oldstone, M.B.A., ed.). Springer-Verlag, New York, pp. 71-78, 1984.
6. Klyczek, K.K., Spear, B.T., Blank, K.J. Expression of Beta2 Microglobulin-Associated Molecules in Murine Leukemia Virus-Transformed Tumor Cell lines. *In: Genetic Control of Host resistance to Infection and Malignancy* (Skamene, E., ed.). Alan R. Liss, New York, pp. 639-646, 1985.
7. Wolfe, J.H., Blank, K.J. H-2-Mediated Effects in Retrovirus-Induced Leukemogenesis. *In: Leukemia 85, UCLA Symposia on Molecular and Cellular Biology, New Series, Vol. 28* (Gale, R.P., Golde, D.W., ed.). Alan R. Liss, New York, p. 217-228, 1985.
8. Turturro, A., Blank, K.J., Murasko, D.M., Hart, R. Mechanisms of Caloric Restriction Affecting Aging and Disease. *Ann. N.Y. Acad. Sci.* 719:159, 1994.