

# CURRICULUM VITAE

**Ann Margaret Arvin**

## **Education:**

1966 B.A., Philosophy, Brown University, Providence, Rhode Island  
1967 M.A., Philosophy, Brandeis University, Waltham, Massachusetts  
1972 M.D., University of Pennsylvania, Philadelphia, Pennsylvania

## **Post-Graduate Training:**

1972 - 73 Intern, Pediatrics: University of California, San Francisco, CA.  
1973 - 74 Resident, Pediatrics: University of California, San Francisco, CA.  
1974 - 75 Chief Resident, Pediatrics: Mt. Zion Hospital, San Francisco, CA.  
1975 - 78 Postdoctoral Training in Infectious Diseases:  
Research fellow with Dr. Thomas C. Merigan, Division of Infectious Diseases, Department of Medicine, Stanford University School of Medicine, Stanford, CA.  
Clinical fellow in Pediatric Infectious Diseases with Dr. Moses Grossman, University of California, San Francisco, CA.

## **Faculty Appointments:**

1978 - 84 Assistant Professor of Pediatrics, Infectious Diseases  
Stanford University School of Medicine, Stanford, CA.  
1984 - 89 Associate Professor of Pediatrics, Infectious Diseases  
Stanford University School of Medicine, Stanford, CA.  
1984-2006 Chief, Infectious Diseases Division, Department of Pediatrics  
and the Lucile Packard Children's Hospital at Stanford  
Current Lucile Salter Packard Professor in Pediatrics, Infectious Diseases  
Stanford University School of Medicine, Stanford, CA.  
Professor of Microbiology and Immunology  
Stanford University School of Medicine, Stanford, CA.  
Director, Stanford-LPCH Vaccine Program  
Faculty of the Program in Immunology

## **University Appointments:**

2001-2006 Associate Dean of Research, Stanford University  
2006-2018 Vice Provost and Dean of Research, Stanford University

**Honors and Awards:**

Phi Beta Kappa, Elisha Benjamin Andrews Scholar, Magna Cum Laude, Brown University.

National Institute of Allergy and Infectious Diseases: New Investigator Award, 1981-84.

National Institute of Allergy and Infectious Diseases: Research Career Development Award 1984-1989.

National Institute of Allergy and Infectious Diseases: MERIT Award, 2016- present

E. Mead Johnson Award for Outstanding Contributions to Research in Pediatrics, 1992.

Association of American Physicians, elected 2003.

Institute of Medicine of the National Academy of Sciences, elected 2003.

American Association for Advancement of Science, elected 2009

American Academy of Microbiology, elected 2010

American Academy of Arts & Sciences, elected 2012

The Lucile Salter Packard Chair in Pediatrics, Stanford University School of Medicine

The Albion Walter Hewlett Award for Discovery in the Biological Sciences and Application in Treatment of Human Disease, Stanford University School of Medicine, 2004

Distinguished Graduate Award, University of Pennsylvania School of Medicine, 2010

Stanford University School of Medicine Dean's Medal Award, 2016

Kenneth M. Cuthbertson Award for Exceptional Service to Stanford University, 2018

*Named lectureships:*

Hattie Alexander Lecture, College of Physicians and Surgeons, Columbia University, 1994.

Bradley Dean Dixon Lecture, University of Alabama School of Medicine, 1995.

Patricia Pearce Jones Award, Stanford University, 1996.

Goren Sterner Award, Karolinska Institute, 1998.

VZV Research Foundation Lecture, 24<sup>th</sup> International Herpes Virus Workshop, 1999.

Maurice Hilleman Lecture, American Society for Virology, 2000.

Ray A. Kroc Visiting Professor, University of Hong Kong, 2001.

Joseph B. Bilderback Visiting Professor, Oregon Health Sciences University, 2001.

Clinical Virology Award, Pan American Society for Clinical Virology, 2002.

John F. Enders Distinguished Lectureship in Medical Virology, Infectious Disease Society of America, 2002.

Sidney E. Grossberg Lecture, Medical College of Wisconsin, 2002.

Dorothy Horstmann Lecture, Yale University, 2003.

Joseph Cremona Jr. MD Memorial Lecture in Art and Medicine, Lawrence Memorial Hospital, 2006.

Louis Weinstein MD Memorial Lecture, Tufts University School of Medicine, 2006.

Robert Honess Lecture, American Society of Virology, 2006.

Bernice Noble Memorial Lecture, State University of New York at Buffalo, 2007.

Maurice Hilleman Lecture, University of Chicago Department of Microbiology, 2009.

James C. Hunt Visiting Professor in Pediatrics, University of Tennessee, 2009.

David Ogilvie Smith Oration, Australian Virology Group Annual Meeting, 2009.

James C. Overall Lecture, Vanderbilt University, 2010.

John Subak-Sharpe Lecture, International Herpesvirus Workshop, 2012.

Louisiana State University 2014 Graduate Student Distinguished Lecturer, 2014.

Patricia Spear Lecture, Northwestern University, 2017

Edwin Lennette Lecture, American Society for Virology, 2017

Visiting Professor, Center for Virus Research, University of California at Irvine, 2018.

S. Edward Sulkin Visiting Professor, University of Texas Southwestern Medical Center, 2018

**Non-Profit Boards:**

Executive Committee, Scientific Advisory Board, Varicella-Zoster Virus Research Foundation, 1991-2004

Board of Trustees, American Herpes Foundation, 1998 - 2005

Advisory Board, The Thrasher Foundation, 2000-2002

Scientific Advisory Group, Institute for Global Health, UCSF, 1998-2002

Scientific Advisory Board, Vaccine Research and Development Center, National Health Research Institutes, Taiwan, 2006-2010

Elizabeth Glaser Pediatric AIDS Foundation Pediatric HIV Vaccine Advisory Board, 2006

Board of Directors, Bay Area Science and Innovation Consortium, 2007

Board of Directors, California Council on Science and Technology, 2007- 2018

**Industry Experience:**

Scientific Advisory Board, Aviron, Inc., 1992-2002

Board of Directors, Axys Pharmaceuticals, Inc. 1997-2001

Scientific Advisory Board, MedImmune, 2002-2007

Board of Directors, Symphony Dynamo, 2006- 2009

Aviron, Inc. Head, Research & Development, 1999

Vir Biotechnology, Inc. Fellow and Senior Advisor, Infectious Disease Research, 2018-

**Elected memberships:**

Fellow, Infectious Disease Society of America

Fellow, Pediatric Infectious Disease Society

Fellow, American Academy of Pediatrics

Senior Member, Society for Pediatric Research

Member, American Pediatric Society

**Memberships:** American Society for Microbiology, American Society of Virology, Western Society for Pediatric Research

**National Committee Service:**

Microbiology and Infectious Disease Review Committee, National Institute of Allergy and Infectious Diseases: Member 1984 - 1988.

Virology Study Section, National Institutes of Health: Member: 1993-1997.

Virology Study Section, National Institutes of Health: Ad hoc member: June, 1989; February, 1990; June, 1990; June, 2001.

Vaccines and Related Biological Products Advisory Committee, Federal Drug Administration: 1990-1994.

Basic Science Advisory Committee, March of Dimes Birth Defects Foundation: 1995-2000.

Executive Committee, Collaborative Antiviral Study Group, National Institute of Allergy and Infectious Diseases: 1986-1999.

Council of the Western Society for Pediatric Research: 1992-1995.  
Council of the Pediatric Infectious Diseases Society: 1992-1995.  
Council of the University-Wide Task Force on AIDS (State of California): 1992-1996.  
Council of the American Society for Virology: 1995-1998.  
Co-chair, American Society of Virology, Medical Virology Club: 1997-1999  
E. Mead Johnson Award Selection Committee, Society for Pediatric Research: 1995-1997.  
National Foundation for Infectious Diseases, Astra Fellowship Selection Committee: 1994, 1995.  
Nominations Committee, Infectious Diseases Society of America: 1996-1998.  
Nominations Committee, American Society for Pediatrics: 1997.  
International Herpesvirus Workshop Program Committee, 1998, 2005, 2006, 2007, 2009  
Institute of Medicine, Committee on the Assessment of Future Scientific Needs for Variola Virus: 1999.  
President, Western Society for Pediatric Research: 2000.  
National Institute of Allergy and Infectious Diseases Council, Ad Hoc: 2001.  
Journal of Infectious Diseases Editor Selection Committee, Infectious Diseases Society of America: 2001.  
NIH Center for Scientific Review, Infectious Diseases Microbiology Working Group: 2001.  
NIAID Collaborative Antiviral Study Group Review Committee: 2001.  
Howard Hughes Medical Institute Research Fellowships Review Committee: 2000-2002.  
Scientific Leadership Group, NIAID Herpes Vaccine Trial: 2002-2012.

NIAID Expert Panel on Immunity and Biodefense Research: 2002.  
National Vaccine Advisory Committee, Department of Health and Human Services: 2001-2004.  
Chair, Subcommittee on Future Vaccines  
Task Force on Women in Pediatrics, Federation of Pediatric Organizations: 2003-2006.  
American Committee on Immunization Practices, Varicella-MMR Working Group: 2004-2006.  
Board on Life Sciences, National Academy of Science/Institute of Medicine: 2004-2010.  
Nominations Committee, Infectious Diseases Society of America: 2004-2006  
Planning Group on Pandemic Influenza Research Gaps, Institute of Medicine: 2005.  
Program Committee, American Society of Virology, 2005-2008.  
American Academy of Microbiology Maurice Hilleman Award Committee 2011-2014

NIAID Blue Ribbon Panel on Influenza, 2006.  
NIAID Director's Advisory Council, 2007-2011.  
IOM Committee on the Scientific Uses of Variola Virus: Chair, 2008-2009  
President's Council on Science and Technology, H1N1 Working Group, 2009  
President's Council on Science and Technology, Influenza Working Group, 2010.  
American Association for the Advancement of Science, Section on Medical Sciences, Chair-elect 2011-2012, Chair  
2012-2013  
National Academy/NRC Committee on Science, Technology and Law, National Academy of Science, 2014-present  
National Academy/NRC Committee on Research Integrity, 2012-2017  
National Academy/NRC Committee on Federal Research Regulations and Reporting Requirements: A New  
Framework for Research Universities in the 21<sup>st</sup> Century, 2014-2016.  
National Academy/NRC Committee for the Policy and Global Affairs Division, 2017- present  
American Society for Microbiology Ethics Committee, 2017-  
American Academy of Microbiology Board of Governors Nominating Committee, 2018-  
Sabin-Aspen Vaccine Science and Policy Group, Founding Member, 2018-

**International Committee Service:**

WHO Steering Committee on Research Related to Measles Vaccines: 2002-2007; Chair, 2003-2007  
Royal Danish Academy of Sciences and Letters, Scientific Policy Committee, March 2018.

**Editorial Board Service:**

Associate Editor, Journal of Infectious Diseases, 2002-present

Journal of Virology, 2004-present

Faculty of 1000, Section Editor, Virology, 2000-present

Virology, 2005-present

Annual Review of Virology, Editorial Board, 2012-2018

Journal of Clinical Microbiology, 1982-1985.

Editor, Virology Section, Journal of Clinical Microbiology, 1985-1989.

Pediatric Infectious Disease Journal, 1988-1994.

Western Journal of Medicine, 1990-1992.

The Report on Pediatric Infectious Diseases, 1995-1997.

Reviews in Medical Virology, 1990-2010.

Infectious Agents and Disease, 1991-2008.

Herpes, 1993-2008.

Journal of Infectious Diseases, 1993-2001.

Journal of Medical Virology, 1994-2012.

Viral Immunology, 1999-2010.

Current Opinion in Clinical and Experimental Research, 2000-2006

Associate Editor, Cover Art, Clinical Infectious Diseases, 2001-2009.

**School of Medicine Administrative Positions**

Associate Dean, Child Health Research, 1998 - 2000.

Chief, Infectious Diseases Division, Department of Pediatrics, 1984-2006

Associate Chair for Academic Affairs, Department of Pediatrics, 1993-2000

Program Director, NICHD Child Health Research Center, 1995-2000

**Lucile Packard Children's Hospital at Stanford**

Director, Integrated Infectious Diseases Program, 1995-2002

Director, Infection Control Program 1984-2006

Associate Director, Clinical Laboratory Microbiology Section, 1984-2000

Associate Director, Diagnostic Virology Laboratory (Stanford Hospital), 1986-1990

**Committee Service:**

**Lucile Packard Children's Hospital Committees**

Medical Board, 1991-1999.

Clinical Laboratory Committee, 1984-2002

Quality Management Committee, 1988-1999.

Infection Control Committee, Chair, 1984-2006.

**Stanford University School of Medicine Committees**

McCormick Bequest Committee, 1985-1991; Chair: 1992-1998.

Program for Molecular and Genetic Medicine, Advisory Board, 1995-2000.

General Clinical Research Center Advisory Committee, 1996.  
Council on Diversity, Co-Chair: 1996-1998.  
Program Advisory Committee, Center for Clinical Sciences Research, 1996-1997  
Committee on Stanford/UCSF Academic Priorities and Strategies for Collaboration: 1997  
Faculty Advisory Committee, Administrative Process Redesign Program: 1997  
Research Program Management Advisory Committee, 1998-present.  
Dean's Steering Committee of the School of Medicine, 1995-1998.  
Research Council of the School of Medicine, 1997-2000.  
Dean's Faculty Campaign Planning Committee, 1999-2000.  
Microbiology and Immunology Department, Graduate Student Steering Committee, 2001-2002, 2006-2007.  
Distinguished Awards and Honorary Society Committee, 2003-present.  
Institute for Immunology, Transplantation and Infection Steering Committee, 2005-present.

### **Stanford University Committees**

Senate of the Academic Council, 1988-1990.  
Committee on Committees, 1988-1989.  
Committee on Faculty and Staff Benefits, 1987-1990.  
Steering Committee, Faculty Women's Caucus, 1988-1990.  
Senate of the Academic Council, 1993-1994.  
Committee on Committees, 1993-1994.  
Institute for Research on Women and Gender, Advisory Board, 1993-2000.  
University Fellows Program, 1994-1996.  
University Planning and Policy Board, 1996-1999.  
Senate of the Academic Council, 1997-1999.  
Search Committee, Dean of the School of Medicine, 2000.  
Steering Committee, Research Administration Management Process, 2001.  
Compliance Coordinating Committee, 2001-present.  
Committee on Research, 2001- present.  
Senate of the Academic Council, 2003-2005.  
University Advisory Board, 2005 (elected/declined)

### **Certification:**

1973            National Board Examination (Parts I, II and III)  
1977            American Board of Pediatrics

California Medical License G25956

### **PATENT**

US 7393941B2 July 1, 2008  
MXA as an Antiviral Drug and as a Target for Identification of Antiviral Drugs for DNA Virus Infections

### **BIBLIOGRAPHY**

#### **Journal Articles: Peer Reviewed**

1. Arvin, A.M., Yeager, A.S., Merigan, T.C. The effect of leukocyte interferon on urinary excretion of cytomegalovirus in infants. Journal of Infectious Diseases, 133:A205-210, 1976.

2. Rand, K.H., Rasmussen, L.E., Pollard, R.B., Arvin, A.M., Merigan, T.C. Cellular immunity and herpesvirus infections in cardiac transplant patients. New England Journal of Medicine, 296:1372-1377, 1977.
3. Arvin, A.M., Rasmussen, L.E., Pollard, R.B., Merigan, T.C. Selective impairment in lymphocyte reactivity to varicella-zoster antigen of untreated lymphoma patients. Journal of Infectious Diseases, 137:531-540, 1978.
4. Pollard, R.B., Rand, K.H., Arvin, A.M., Merigan, T.C. Cell-mediated immunity for cytomegalovirus infections in normal subjects and cardiac transplant recipients. Journal of Infectious Diseases, 137:541-549, 1978.
5. Arvin, A.M., Feldman, S., Merigan, T.C. Human leukocyte interferon treatment of varicella in children with cancer: a preliminary controlled trial. Antimicrobial Agents and Chemotherapy, 13:605-607, 1978.
6. Arvin, A.M., Pollard, R.B., Rasmussen, L.E., Merigan, T.C. Cellular and humoral immunity in the pathogenesis of recurrent herpes viral infections in patients with lymphoma. Journal of Clinical Investigation, 65:869-878, 1980.
7. Yeager, A.S., Arvin, A.M., Urbani, L.J., Kemp, J.A. The relationship of antibody to outcome in neonatal herpes simplex infection. Infection and Immunity, 29:532-538, 1980.
8. Arvin, A.M. and Koropchak, C.M. Immunoglobulins M and G to varicella-zoster virus measured by solid phase radioimmunoassay: Antibody responses with varicella and herpes zoster infections. Journal of Clinical Microbiology, 12:367-374, 1980.
9. Yeager, A.S., Grumet, F.C., Hafleigh, E.B., Arvin, A.M., Bradley, J.S., Prober, C.G. Prevention of transfusion-acquired cytomegalovirus infections in newborn infants. Journal of Pediatrics, 98:281-287, 1980.
10. Whitley, R.J., Nahmias, A.J., Visintine, A.M., Fleming, C.L., Alford, C.A., and the NIAID Collaborative Antiviral Study Group, Yeager, A.S., Arvin, A.M., Haynes, R., Hilty, M., Luby, J. The natural history of herpes simplex virus infection of mother and newborn. Pediatrics, 66:489-494, 1980.
11. Neu, J., Arvin, A.M., Ariagno, R.L. Hydrops of the gallbladder in a neonate associated with group B streptococcus sepsis and pneumonia. American Journal of Diseases of Children, 134:891, 1980.
12. Merigan, T.C., Gallagher, J.G., Pollard, R.P., Arvin, A.M. Short course interferon therapy in treatment of herpes zoster in cancer patients. Antimicrobial Agents and Chemotherapy, 19:193-195, 1981.
13. Prober, C.G., Yeager, A.S., Arvin, A.M. The effect of chronologic age on the serum concentration of amikacin in sick term and premature infants. Journal of Pediatrics, 98:606-609, 1981.
14. Arvin, A.M., Yeager, A.S., Bruhn, F., Grossman, M. Neonatal herpes simplex infection in the absence of mucocutaneous lesions. Journal of Pediatrics, 100:715-721, 1982.
15. Yeager, A.S., Arvin, A.M., Hensleigh, P.A. The validity of reporting results of cultures for herpes simplex virus after four days. Journal of Reproductive Medicine, 27:447-448, 1982.
16. Arvin, A.M., Schmidt, N.J., Cantell, K., Merigan, T.C. Interferon administration to infants with congenital rubella. Antimicrobial Agents and Chemotherapy, 21:259-261, 1982.

17. Arvin, A.M., Kushner, J.H., Feldman, S., Baehner, R.L., Hammond, D., Merigan, T.C. Human leukocyte interferon for the treatment of varicella in children with cancer. New England Journal of Medicine, 306:761-765, 1982.
18. Pazin, G.J., Ho, M., Haverkos, H.W., Armstrong, J.A., Breinig, M.C., Wechsler, H.L., Arvin, A.M., Merigan, T.C.: Effects of interferon-a on human warts. Journal of Interferon Research, 2:235-243, 1982.
19. Pollard, R.B., Arvin, A.M., Gamberg, P., Rand, K.H., Gallagher, J.G., Merigan, T.C. Specific cell-mediated immunity and infections with herpes viruses in cardiac transplant recipients. American Journal of Medicine, 73:679-689, 1982.
20. Arvin, A.M., Martin, D.P., Gard, E.A., Merigan, T.C. Interferon prophylaxis against simian varicella infection in *Erythrocebus patas* monkeys. Journal of Infectious Diseases, 147:149-154, 1983.
21. Arvin, A.M., Koropchak, C.M., Yeager, A.S., Pereira, L. The detection of type-specific antibody to herpes simplex virus type 1 by radioimmunoassay using HSV-1 glycoprotein C purified with monoclonal antibody. Infection and Immunity, 40:184-189, 1983.
22. Wang, E.L., Prober, C.G., Arvin, A.M. Varicella-zoster virus antibody titers before and after the administration of zoster immune globulin to neonates in an intensive care nursery. Journal of Pediatrics, 103:113-114, 1983.
23. Arvin, A.M., Koropchak, C.M., Wittek, A.E. Immunologic evidence of reinfection with varicella-zoster virus. Journal of Infectious Diseases, 148:200-205, 1983.
24. Schmidt, N.J., Arvin, A.M., Martin, D.P., Gard, E.A. Serologic investigation of an outbreak of simian varicella in *Erythrocebus patas* monkeys. Journal of Clinical Microbiology, 18:901-904, 1983.
25. Wittek, A.E., Arvin, A.M., Koropchak, C.M. Serum immunoglobulin A antibody to varicella-zoster virus with primary varicella, herpes zoster, and in immune subjects. Journal of Clinical Microbiology, 18:1146-1149, 1983.
26. Wittek, A.E., Cohen, P.S., Arvin, A.M., Smith, S.D., Koropchak, C.M., De Clercq, E. The effect of E-5-(2-bromovinyl)-2'-deoxyuridine on human fibroblasts, peripheral blood mononuclear cells and bone marrow cells in vitro. Antimicrobial Agents and Chemotherapy, 24:803-806, 1983.
27. Steinberg, G.K., Britt, R.H., Enzmann, D.R., Finlay, J.L., Arvin, A.M. Fusarium brain abscess. Journal of Neurosurgery, 56:598-601, 1983.
28. Yeager, A.S. and Arvin, A.M. Reasons for the absence of a history of recurrent genital infections in mothers of neonates infected with herpes simplex virus. Pediatrics, 73:188-193, 1984.
29. Arvin, A.M. and Miller J.J., III. Acid labile a-interferon in sera and synovial fluids from patients with juvenile arthritis. Arthritis and Rheumatism, 27:582-585, 1984.
30. Paryani, S.G., Arvin, A.M., Koropchak, C.M., Wittek, A.E., Amylon, M., Dobkin, M.B., Budinger, M.D. A comparison of varicella-zoster antibody titers in patients given intravenous immune serum globulin or varicella-zoster immune globulin. Journal of Pediatrics, 105:201-205, 1984.

31. Gershon, A.A., Steinberg, S.P., Gelb, L., Galasso, G., Borkowsky, W., LaRussa, P., Ferrara, A. (Arvin, A.M., National Institute of Allergy and Infectious Diseases Varicella Vaccine Collaborative Study Group). Live attenuated varicella vaccine: efficacy for children with leukemia in remission. Journal of the American Medical Association, 252:355-362, 1984.
32. Palumbo, P.E., Arvin, A.M., Koropchak, C.M., Wittek, A.E. Investigation of the varicella-zoster virus infected cell proteins that elicit antibody production during primary varicella using the immune transfer method. Journal of General Virology, 65:2141-2147, 1984.
33. Fong, S.K.H., Perkins, S., Koropchak, C.M., Fishwild, D.M., Wittek, A.E., Engleman, E.G., Grumet, C.F., Arvin, A.M. Human monoclonal antibodies neutralizing varicella-zoster virus. Journal of Infectious Diseases, 152:280-285, 1985.
34. Schmidt, N.J. and Arvin, A.M. Sensitivity of different assay systems for immunoglobulin M responses to varicella-zoster virus in reactivated infections (zoster). Journal of Clinical Microbiology, 23:978-979, 1986.
35. Paryani, S.G. and Arvin, A.M. Intrauterine infection with varicella-zoster virus aftermaternal varicella. New England Journal of Medicine, 314:1542-1546, 1986.
36. Arvin, A.M., Koropchak, C.M., Williams, B.R.G., Grumet, F.C., Fong, S.K.H. Early immune response in healthy and immunocompromised subjects with primary varicella-zoster virus infection. Journal of Infectious Diseases, 154:422-429, 1986.
37. Arvin, A.M., Kinney-Thomas, E., Shriver, K., Grose, C., Koropchak, C.M., Scranton, E., Wittek, A.E., Diaz, P.S. Immunity to varicella-zoster viral glycoproteins, gp I (90/58) and gp III (gp 118) and to a nonglycosylated protein, p170. Journal of Immunology, 137:1346-1351, 1986.
38. Arvin, A.M., Hensleigh, P.A., Au, D.S., Yasukawa, L.L., Wittek, A.E., Palumbo, P.E., Paryani, S.G., Prober, C.G., Yeager, A.S. Failure of antepartum maternal cultures to predict the infant's risk of exposure to herpes simplex virus at delivery. New England Journal of Medicine, 315:796-800, 1986.
39. Finlay, J., Luft, B., Yousem, S., Wood, G.S., Link, M., Arvin, A.M., Glader, B., Lennette, E., Shatsky, M., Olds, L., Borcharding, W., Hong, R., Purtilo, D. Chronic infectious mononucleosis syndrome, pancytopenia and poly-clonal B-lymphoproliferation terminating in acute lymphoblastic leukemia. American Journal of Pediatric Hematology and Oncology, 8:18-27, 1986.
40. Rhine, W.D., Arvin, A.M., Stevenson, D.K. Neonatal aspergillosis: Case report of a survivor and review of literature. Clinical Pediatrics, 25:400-403, 1986.
41. Sullender, W.M., Miller, J.L., Yasukawa, L.L., Bradley, J.S., Black, S.B., Yeager, A.S., Arvin, A.M. Humoral and cellular immunity in neonates with herpes simplex virus infection. Journal of Infectious Diseases, 155:28-37, 1987.
42. Noorbehesht, B., Enzmann, D.R., Sullender, W.M., Bradley, J.S., Arvin, A.M. Neonatal herpes simplex encephalitis: correlation of clinical and computed tomographic findings. Radiology, 162:813-819, 1987.
43. Prober, C.G., Sullender, W.M., Lew-Yasukawa, L., Au, D.S., Yeager, A.S., Arvin, A.M. Low risk of herpes simplex virus infections in neonates exposed to virus at the time of vaginal delivery to mothers with recurrent genital herpes simplex virus infections. New England Journal of Medicine, 316:240-244, 1987.

44. Weintrub, P.S., Sullender, W.M., Lombard, C., Link, M.P., Arvin, A.M. Giant cell pneumonia caused by parainfluenza type 3 in a patient with acute myelomonocytic leukemia. Archives of Pathology and Laboratory Medicine, 111:569-70, 1987.
45. Hutto, C., Arvin, A.M., Jacobs, R., Steele, R., Stagno, S. et al. Intrauterine herpes simplex virus infections. Journal of Pediatrics, 110:97-101, 1987.
46. Sullender, W.M., Arvin, A.M., Diaz, P.S., Connor, J., Straube, R., Dankner, W., et al. Pharmacokinetics of acyclovir suspension in infants and children. Antimicrobial Agents and Chemotherapy, 31:1722-1726, 1987.
47. Arvin, A.M., Solem, S.M, Koropchak, C.M., Kinney-Thomas, E., Paryani, S.G. Humoral and cellular immunity to varicella-zoster virus glycoprotein, gp I, and to a non-glycosylated protein, p 170, in the strain 2 guinea pig. Journal of General Virology, 68:2449-2454, 1987.
48. Arvin, A.M., Johnson, R.T., Whitley, R.J., Nelson, J.D., McCracken, G.J. Management of the patient with herpes simplex encephalitis. Pediatric Infectious Diseases, 6:2-5, 1987.
49. Arvin, A.M.: Oral therapy with acyclovir in infants and children. Pediatric Infectious Diseases, 6:56-58, 1987.
50. Prober, C.G. and Arvin, A. M. Perinatal viral infections. European Journal of Clinical Microbiology, 6:245-261, 1987.
51. Arvin, A.M. Antiviral treatment of herpes simplex infection in neonates and pregnant women. Journal of the American Academy of Dermatology, 18: 200-203, 1988.
52. Sullender, W.M., Yasukawa, L.L., Schwartz, M., Pereira, L., Hensleigh, P.A., Prober, C.G., Arvin, A.M. Type-specific antibodies to herpes simplex virus type 2 (HSV-2) glycoprotein G in pregnant women, infants exposed to maternal HSV-2 infection at delivery and infants with neonatal herpes. Journal of Infectious Diseases, 157:164-171, 1988.
53. Prober, C.G., Hensleigh, P.A., Boucher, F.D., Yasukawa, L.L., Au, D.S., Arvin, A.M. The use of routine viral cultures at delivery to identify neonates exposed to herpes simplex virus. New England Journal of Medicine, 318:887-891, 1988.
54. Whitley, R.J., Corey, L, Arvin, A.M., Lakeman, F.D., Sumaya, C.V., Wright, P.F., Dunkle, L.M., Soong, S.J., Nahmias, A.J. et al. Changing presentation of herpes simplex virus infection in neonates. Journal of Infectious Diseases, 158:109-116, 1988.
55. Diaz, P.S., Smith, S., Hunter, E., Arvin, A.M. Immunity to whole varicella-zoster virus antigen, glycoprotein I (gp I) and a non-glycosylated protein (p 170): relation to the immunizing regimen of live-attenuated varicella vaccine. Journal of Infectious Diseases, 158:1245-1252, 1988.
56. Diaz, P.S., Hunter, E.L., Smith, S.M., Arvin, A.M. T lymphocyte cytotoxicity with natural varicella-zoster virus infection and after immunization with live attenuated varicella vaccine. Journal of Immunology, 142:636-641, 1989.
57. Wilson, C.W., Stevenson, D.K., Arvin, A.M. A concurrent epidemic of respiratory syncytial virus and Echovirus 7 infections in an intensive care nursery. Pediatric Infectious Disease Journal, 8:24-29, 1989.

58. Koropchak, C.M., Solem, S., Diaz, P.S., Arvin, A.M.: Investigation of varicella-zoster virus infection of lymphocytes by *in situ* hybridization. Journal of Virology, 63:2392-2395, 1989.
59. Rabalais, G.P., Nusinoff-Lehrman, S., Arvin, A.M., Levin, M.J. Antiviral susceptibilities of herpes simplex virus isolates from infants with recurrent mucocutaneous lesions after neonatal infection. Pediatric Infectious Disease Journal, 8:221-223, 1989.
60. Kohl, S., West, M.S., Prober, C.G., Sullender, W.M., Loo, L.S., Arvin, A.M. Neonatal antibody-dependent cellular cytotoxic antibody levels are associated with the clinical presentation of neonatal herpes simplex virus infection. Journal of Infectious Diseases, 160:770-776, 1989.
61. Prober, C.G., Arvin, A.M.: Prematurity and the risk of herpes simplex infection. Pediatric Infectious Disease Journal. 8:660-661, 1989.
62. Arvin, A.M.: Serologic misdiagnosis of congenital infections [letter]. Pediatric Infectious Disease Journal. 8:542, 1989.
63. Boucher, F.D., Yasukawa, L.L., Bronzan, R.N., Hensleigh, P.A., Arvin, A.M., Prober, C.G. A prospective evaluation of primary genital herpes simplex virus type 2 infections acquired during pregnancy. Pediatric Infectious Disease Journal, 9:499-504, 1990.
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### Current and recent major NIH grants.

#### Current

R37 AI20459 08/01/94-03/31/21 (Merit Award)  
Varicella Zoster-virus: T Cell/Skin Tropism and Immunity  
Role: PI

#### Recently completed

R01 AI10254601 06/01/12 - 05/31/18  
Varicella zoster virus: molecular controls of cell fusion-dependent pathogenesis.  
Role: PI

R56 AI116857 09/01/15-08/31/2016  
The Role of the LAT Locus in HSV-1 Infection of Human Skin Xenografts in vivo  
Role: PI

U19 AI90019 07/18/11 - 06/30/15  
Vaccination and Infection: Indicators of immunological health and responses  
Role: Co-Investigator. (Davis M, PI)

R01 AI 05346 01/01/03-06/30/13  
Varicella-Zoster Virus Tegument Proteins in Pathogenesis  
Role: PI

R21 AI081994 05/22/09-04/30/12  
Investigation of herpes simplex virus -1 neurotropism in SCID DRG xenografts  
Role: PI

P01 CA49605 04/01/90-01/31/12  
Bone Marrow Grafting for Leukemia and Lymphoma: Project 8: Varicella-zoster Virus Immunobiology and Vaccines (Arvin, PI)  
Role: PI, Project 8 (Negrin R, PI)

R01 AI37127 09/30/94-01/31/10  
Ontogeny of Measles Immunity in Infants  
Role: PI

U19 AI057229 09/01/03-03/31/08  
Protective Mechanisms Against Pandemic Respiratory Virus  
Role: PI of large multi-investigator program project grant

P01 AI48212 07/01/00-06/30/05  
Anti-Viral Immune Mechanisms in Early Childhood  
Role: PI of large multi-investigator program project grant