

CURRICULUM VITAE

Name: Tilahun D. Yilma

Date of Birth: December 15, 1943

Place of Birth: Ethiopia

Nationality: US Citizen

Business Address: International Laboratory of Molecular Biology for Tropical Disease Agents
Department of Medical Microbiology/Immunology, School of Medicine
3146 Tupper Hall, University of California
Davis, CA 95616

Telephone: Office- (530) 758-5227.
FAX - (530) 752-8692

E-Mail tdyilma@ucdavis.edu

Home Address: 826 Oak Avenue
Davis, CA 95616
(530) 758-5227 (Phone)

Education

University of California, Davis	B.S.	1968	Veterinary Science
University of California, Davis	D.V.M.	1970	Veterinary Medicine
University of California, Davis	Ph.D.	1977	Microbiology
Cornell University Medical College	----	1980	Medicine

Chronology of Employment

2006-present Distinguished Professor of Virology, School of Medicine, Dept of Med. Micro. & Immunology; & School of Veterinary Medicine. UC Davis.

1991-present: Director, International Laboratory of Molecular Biology for Tropical Disease Agents -FAO Collaborative Laboratory on Biotechnology, School of Veterinary Medicine, University of California, Davis, California.

1986-present: Professor of Virology, Department of Veterinary Microbiology and Immunology, University of California, Davis, California.

1985-1986: Associate Professor, Department of Veterinary Microbiology/ Pathology, Washington State University, Pullman, Washington.

1980-1985: Assistant Professor, Department of Veterinary Microbiology/ Pathology, Washington State University, Pullman, Washington.

1978-1979: Research Associate, New York State College of Veterinary Medicine, Department of Microbiology, Cornell University. Duties performed at USDA, the Plum Island Animal Disease Center, Greenport, New York.

1977-1978: Assistant Professor, Department of Veterinary Microbiology, University of California, Davis. Duties performed at USDA, the Plum Island Animal Disease Center, Greenport, New York.

1973-1977: Graduate Student in Microbiology, Department of Veterinary Microbiology, University of California, Davis, California.

1971-1972: Lecturer, UNDP/FAO of the United Nations, School for Animal Health Assistants, Debre Zeit, Ethiopia.

Honorary and Professional Society Memberships (Past & Present)

National Academy of Sciences, Elected 2004
Fellow of American Academy of Microbiology, Elected 2004
California Veterinary Medical Association
American Veterinary Medical Association
American Society for Microbiology
Honor Society of Phi Kappa Phi
Phi Zeta Society
American Association for the Advancement of Science
Association of American Veterinary Colleges
American Society for Virology
American Society of Tropical Veterinary Medicine
United States Animal Health Association
European Action on Global Life Sciences (EAGLES)

Honors and Awards

Beecham Award for Research Excellence - 1986
Beecham Award for Research Excellence - 1988
The "1989 Ciba-Geigy Award for Research in Animal Science" - 1990
School of Veterinary Medicine Alumni Achievement Award - 1991
Listed in "University of California Accomplishments" by Office of the President for University's 125th Anniversary Celebration. (Rinderpest invention cited.) - 1991
School of Veterinary Medicine Faculty Award for Research Excellence - 1991
Featured in August 1991 magazine Veterinary Forum on cover article entitled, "Who's Who in Biotechnology for the 1990's, The People behind the Progress" (one of 5 scientists)
Listed in Who's Who In The West, 1991 and 1992 Editions
School of Veterinary Medicine Faculty Award for Research Excellence - 1993
Listed in "University of California Davis' Financial Report 1993-94 - An Investment in Excellence". (Rinderpest vaccine cited.)
University of California Davis Distinguished Public Service Award for 1994-95
Featured in April 1995 issue of Wisconsin BioIssues, Biotechnology in Developing Countries
Listed in Who's Who in Medicine & Healthcare, June 95 issue
Listed in Who's Who in Medicine & Healthcare, first issue of 1996
Listed on the cover of Who's Who In Biotechnology for the 1990s
Featured as a role model in Visions (career guidance/life management workbook for African American males) California Department of Education, May 1996
The Walters Art Gallery (Committee Member), Baltimore, MD 21201
The Wellcome Visiting Professor in the Microbiological Sciences, Louisiana State University, School of Veterinary Medicine, October 1998
University of Oklahoma International Alumnus Achievement Award, Nov 1999
University of California, School of Veterinary Medicine, Class of 2004 Outstanding Faculty Lecturer Award, 2001-2002
University of California, Davis 2001-2002 Faculty Research Award, May 2002

Citations in Scientific Journals (Selected List)

Science, 237:1289-1291, 1987--War on Cattle Disease Divides the Troops.
New Scientists, p. 38 Dec. 3, 1988--Grow-your-own Vaccine Takes on Rinderpest.
Nature, 349:369, 1991--Real and Imagined Dangers.
Nature, 355:194, 1992--Training for Egyptian Scientists.
New Scientists, 1930:30-33, 1994--A Man With a Mission.
New Scientists, 144:p62, Nov 13, 1994.--Letter on Safety of Rinderpest Recombinant Vaccine.

Patents (granted or applied for):

3 CV YILMA

Vaccinia virus recombinant vaccines for vesicular stomatitis virus (shared with the National Institutes of Health, the Salk Institute, and Washington State University).

Use of lymphokines (IFN- γ) as adjuvants.

A rapid diagnostic kit for vesicular diseases.

Use of vaccinia virus recombinants for the production of monoclonal antibodies.

A vaccinia virus double recombinant vaccine for rinderpest.

A rapid ELISA diagnostic kit for vesicular stomatitis.

A rapid ELISA diagnostic kit for rinderpest virus (RPV) and peste des petits ruminants (PPRV).

A method for the development of a safe and efficacious live attenuated retroviral vaccine for AIDS.

A method for expressing interferons with attenuated lentivirus vectors.

Recombinant Live Virus Vaccines.

Grant Reviewer or Member of Study Section (Selected List)

USDA--Mechanisms of Animal Disease - National Research Initiative Competitive Grants Program:
Biotechnology- Animal Molecular Biology Review Panel, 1985.

USDA--Food and Agricultural Sciences Committee on National Needs Graduate Fellowship Grants, 1987.

USDA--Food and Agricultural Sciences Committee on National Needs Graduate Fellowship Grants,, 1990.

NIH-NIAID --National Cooperative Vaccine Development Groups for AIDS, 1994.

NIH-NIAID--Evaluation of AIDS Vaccines in Non-Human Primates, 1996.

NIH-NIAID--Biotechnology Grants, November 13, 1996.

NIH- NCRR--Member of review panel for the Site Visit of the Wisconsin Regional Primate Research Center, Madison, WI, 1996.

The Wellcome Trust: Reviewer for Research Fellowship in Tropical Medicine, 1996.

USDA--Sustaining Animal Health and Well-Being (Virology Panel) and Identifying Animal Genetic Mechanisms and Gene Mapping Programs of the National Research Initiative Competitive Grants Program, 1996.

NIH-DRG--Member of Special Study Section-2. July 16, 1997.

NIH-NCRR--Member of Study Section of Comparative Medicine Group (1997-2001).

NIH-DRG--Member of Special Study Section-2. July 16, 1997.

NIH-NCRR-CMRC-Member of review panel for the Site Visit of the New England Regional Primate Research Center, Harvard Medical School, Southborough, MA. August 1, 1997.

NIH-NCRR-CMRC-Member of Special Study Section, Bethesda, MD. October 19, 1997.

NIH-NCRR-CMRC-Member of review panel for the Site Visit of the Tulane Reg. Primate Res Center, Dec 1, 1997.

NIH-NCRR-CMRC-Member of Initial Review Group, Bethesda, MD. February 24, 1998.

NIH-NCRR-CMRC-Member of Initial Review Group, Bethesda, MD. June 1 & 2, 1998.

NIH-NCRR-CMRC-Member of review panel for the Site Visit of the Oregon Regional Primate Research Center, Oregon Health Sciences University Sept 8-11, 1998.

United States Israel Bio-national Science Foundation--Reviewer February 1998.

The Wellcome Trust --Reviewer February 1998.

USDA--Small Business Innovation Research Program: Reviewer, February, 1998.

USAID-Site visit of the UF/USAID/SADC Heartwater Research Project of the University of Florida at Gainesville. November 24, 1998.

NIH-NCRR-CMRC-Member of Initial Review Group, Bethesda, MD. February 16-18, 1999.

NIH-NCRR-CMRC-Member of Initial Review Group, Bethesda, MD. June 8 & 9, 1999.

NIH-NCRR-CMRC-Member of Initial Review Group, Bethesda, MD. October 13-16, 1999.

NIH-NCRR-CMRC-Member of Initial Review Group, Bethesda, MD. February 15-17, 2000.

NIH-NIAID-NCRR-Special Emphasis Panel (Chairperson) March 30th, 2000.

NIH-NCRR-CMRC-Member of Initial Review Group, Bethesda, MD. June 12-14, 2000.

NIH-NCRR-Appointed Chairman of the Comparative Medicine Study Section, June, 2000.

NIH-NCRR-CMRC-Chairman of review panel for the Site Visit of the Yerkes Regional Primate Research Center, Emory University July 17-20, 2000.

NIH-NARRC-Council Meeting, Bethesda, MD, September 7, 2000.

NIH-NCRR-CMRC-Chair of Initial Review Group, Bethesda, MD. October 12-14, 2000.

4 CV YILMA

NIH-NCRR-CMRC-Special Emphasis Panel/Site Visit, Washington Regional Primate Research Center, Seattle, WA. January 13th B 17th, 2001.

NIH-NARRC-1st Plenary Council Meeting, Bethesda, MD, January 17, 2001.

NIH-NCRR-CMRC-Chair of Initial Review Group, Gaithersburg, MD. February 13-14, 2001.

NIH-NCRR-Council Meeting, Bethesda, MD, May, 17, 2001.

NIH-NCRR-CMRC-Member of the COBRE Special Emphasis Panel, Bethesda, MD. June 7-8, 2001.

NIH-NCRR-CMRC-Chair of Initial Review Group, Gaithersburg, MD. June 12-13, 2001.

NIH-NINDS-Member Planning Panel on Neuro-AIDS, Arlington, VA, July 16, 2001.

NIH-NARRC-1st Plenary Council Meeting, Bethesda, MD. September 13th, 2001.

NIH-NCRR-CMRC-Chair of Initial Review Group, Gaithersburg, MD. October 11-12, 2001.

NIH-NCRR-CMRC-Chairman of review panel for the Site Visit of the Washington Regional Primate Research Center, Washington State University, January 13-17, 2002.

NIH-NCRR-CMRC-Chair of Comparative Medicine Review Committee, Bethesda, MD. February 7-8, 2002.

NIH-NIAID-Member of Special Emphasis Panel, Bethesda, MD. March 25-27, 2002.

NIH-NARRC-Representative of the Comparative Medicine Review Committee attending the National Advisory Research Council, Bethesda, MD. May 16th, 2002.

NIH-NCRR-CMRC-Chair of Initial Review Group, Gaithersburg, MD. June 11th-12th, 2002.

NIH-NIA-Member of Advisory Panel for The Monkey Caloric Restriction Study, San Antonio, TX. October 11th, 2002.

NIH-NIAID-Member Special Emphasis Panel for Program Project Grant Application, *Teleconference* from Davis, CA. December 12th, 2002.

NIH-NIDCR-Member, National Institute of Dental & Craniofacial Research Special Emphasis Panel, Bethesda, MD. March 31st, 2003.

NIH-NCRR-Chair, National Swine Research & Resource Center, RFA Review Committee, Bethesda, MD. June 27th, 2003.

State of Israel Ministry of Agriculture & Rural Development – Grant Reviewer. September 22nd, 2003.

Canada Foundation for Innovation B Expert Reviewer in the area of Animal Science, Ottawa, Canada. September 30th B October 2nd, 2003.

National Science Foundation (NSF) B Advisory Subcommittee for the Office of International Science and Engineering, Arlington, VA. October 23rd-24th, 2003.

NIH, Chair of the Special Emphasis Panel, “Atopic Dermatitis and Vaccinia Immunization Network: Animal Studies Consortium.” Bethesda, MD October 27, 2003.

NIH-NIA-Member of Advisory Panel for The Monkey Caloric Restriction Study, Bethesda, MD. November 14th, 2003.

NIH Orthopoxvirus Group Meeting, Bethesda, MD. April 22nd – April 23rd, 2004.

National Science Foundation (NSF) B Advisory Subcommittee for the Office of International Science and Engineering, Arlington, VA. June 10th-11th, 2004.

National Science Foundation (NSF) B Advisory Subcommittee for the Office of International Science and Engineering, Arlington, VA. November 3rd – 5th, 2004.

NIH Orthopoxvirus Group Meeting, Bethesda, MD. November 17th – 18th, 2004.

NIH Orthopoxvirus Group Meeting, Bethesda, MD. April 18th-22nd, 2005.

NIH-NARRC-Member of Working Group for the Chimpanzee Management Plan (ChiMP). April 2003- .

Editorial Boards, Advisory Boards, or Ad Hoc Reviewer

Science

Proceedings of the National Academy of Sciences

Bio/Technology

Biotechniques

The Journal of Virology

The Journal of General Virology

The Journal of Infectious Diseases

The Journal of Immunology

Virology

AIDS Research and Human Retroviruses

Virus Research

Archives of Virology

Clinical Microbiology Reviews

American Veterinary Medical Association

American Journal of Veterinary Research

Veterinary Sciences Tomorrow

US-Israel Binational Agricultural Research and Development Fund (BARD)

University of Idaho-EPSCoR Program

International Association of Biological Standardization (IABS)

American Institute of Biological Sciences, The National Academy of Sciences, USA

International Advisory Board, Asian Network for Biotechnology in Animal Production & Health (ANBAPH)

Editor, Asian Network for Biotechnology in Animal Production & Health (ANBAPH) Manual, "Biotechnology and development of livestock vaccines," 1992

Member, Advisory Board of Academic Press, Inc. series Advances in Vet. Science & Comparative Medicine 1991-

Advisory Board Member, Ethiopian Journal of Agricultural Science (EJAS)

Chief Editor, "Biotechnology and Development of Livestock Vaccines," Food and Agriculture Organization of UN.

Advisory Board Member, Faculty Research Lecturer Committee of the University of California, Davis, Academic Senate, 2003.

Health Committee Member, The European Action on Global Life Sciences (EAGLES), the European Federation on Biotechnology

Internal Advisory Board, University of California Davis Mouse Biology Program, 2004.

Consultant (Past and Present)

The Haile Selassie University Experiment Station, Debre Zeit, Ethiopia, 1971-1972.

National Livestock Vaccine Production Center at Debre Zeit, Ethiopia, 1971-1972.

USAID Malarial Project, The American Institute of Biological Sciences, National Academy of Sciences (1988-).

Genentech Inc., San Francisco, CA (1982-1988).

California Biotechnology Inc., Mountain View, CA (1986-1988).

FAO/ United Nations - Key Biotechnology Consultant (1989-).

WHO/United Nations--Vectors for Recombinant Vaccines (1989)

Accel Partners, Inc. San Francisco, CA (1990-).

INTA, The Biotechnology Institute of Argentina (1989-).

The Biotechnology Institute of Brazil (1992-).

Member of the Board of Directors, Center for Applied Biotech in Agriculture (CABA), San Francisco, CA (1994).

Member of the California Biomedical Research Association (1990-).

International Agricultural Visitors Program, University of California, Davis (1986-)

Trustee of Foundation for African Development Through International Biotechnology (FADIB) (1990-).

USAID--Egypt: Consultant to the Government of Egypt Biosafety Committee (1991-1995).

USAID--(Israel and Arab Scientific Exchange Program) Trinational Animal Health Project (TAHRP) (1995-).

Collagen Corporation: Consultant and Member of Scientific Advisory Board (1993-).

International Atomic Energy Agency/United Nations--(1997-)

Dow Agro Chemical Consultant (1999-)

NIH/NIAID/NCRR-Special Emphasis Panel (Chairperson) March 30, 2000

US Department of State- ISTS Russia.

VaxGen, Brisbane, CA (2005-).

Expert Consultations.

United Nations (UNDP) International Delegation of the JP/15 Program to Somalia, 1971.

USDA, Panel leader on assessing use of live genetically altered vaccines, 1986.

FAO/United Nations, Rome: Expert Consultation on biotechnology for livestock production and health, 1986.

WHO/United Nations: Expert consultation on requirements and criteria for field trials on oral rabies vaccination of dogs and wild carnivores, Geneva, Switzerland, March 1-2, 1988.

WHO/United Nations: Expert consultations on the potential use of live vectors of vaccines, June 19-22, 1989.

FAO/United Nations: Expert consultation on requirements for vaccinia-rinderpest recombinant vaccines, Rome, Italy, June 23-July 13, 1989.

Office of International des Epizooties (OIE): Expert consultation on requirements for vaccinia-rinderpest recombinant vaccines, Paris, France, August 21-24, 1989.

FAO/United Nations: Expert consultation on quality control for veterinary vaccines in developing countries. Rome, Italy, December 2-6, 1991.

FAO/United Nations: Expert consultation on requirements for global eradication of rinderpest, Rome, Italy, October 27-29, 1992.

USDA/APHIS, National Veterinary Services Laboratories (NVSL) in Ames, Iowa: Expert consultation on the development of rapid diagnostic kit for vesicular stomatitis, 1994.

External examiner in virology and immunology for 1994/95 final-year veterinary students at Addis Ababa University, Debre Zeit, Ethiopia, 1995.

Swiss Federal Institute of Technology (ETH), Department of Agriculture and Food Science: Expert consultation on establishment of programs in biotechnology; Zurich, Switzerland, 1995.

International Atomic Energy Agency/United Nations. Expert Consultation on Recombinant Vaccines and Rapid Diagnostic Kits. January 11, 1997.

International Atomic Energy Agency/United Nations. Special Consultant to the Deputy Director General -Technical Cooperation (1998-Present).

Visiting Research Scientist or Research Collaborator

Genentech, Inc., San Francisco: Visiting consulting scientist and guest researcher, July, 1985.

NIH-NIAID, Laboratories of Viral Diseases: Guest researcher in Dr. Bernard Moss's Laboratory, Aug - Oct, 1985.

California Biotechnology, Inc.: Cloning of the rinderpest virus HA and F genes, August 1987-November 1988.

Chiron Molecular Biology, Inc.: Use of adjuvant (lymphokine) genes in the development of vaccinia virus recombinant vaccines for the human acquired immunodeficiency disease, 1988-1992.

Tropical Animal/Human Health, International Center for Tropical Animal Health (ICTAH) & Office of International Programs, Tuskegee University, Visiting Lecturer, 1989 .

Amgen, Inc., Thousand Oaks, California (with Dr. W. Neal Burnette): Collaborative research on the development of a recombinant vaccine for pertussis, 1991-95.

Cleveland Clinic Foundation, Cleveland, Ohio with Dr. A. K. Banerjee: Diagnostic kit for VSV, 1989-90.

Development of a vaccine for simian immunodeficiency virus (1988-); with :

- Dr. William R. Morton at the University of Washington, Seattle, Washington
- Dr. W. Edward Robinson at Vanderbilt University, Nashville, Tennessee
- Dr. Cataline E. De Jesus at Viagene, Inc in San Diego, California
- Dr. Nancy Haigwood of Bristol-Myers Squibb Pharmaceuticals in Seattle, Washington
- Dr. Terri H. Finkel at the National Jewish Center in Denver, Colorado.

Institute of Molecular Biology at the National Institute of Agricultural Research (INTA) in Buenos Aires, Argentina (with Dr. Eduardo L. Palma): Vaccinia virus-vectored experimental vaccines for FMD (1993-1995).

Harvard Medical School, Massachusetts General Hospital (with Dr. Bruce Walker): Cell mediated vaccine studies in patients infected with HIV (1990-).

Harvard Medical School, Massachusetts General Hospital (with Dr. Paul Johnson): Cell mediated vaccine studies in patients infected with HIV (1997-).

Washington State University at Pullman, Washington (with Dr. John Gorham of USDA/ARS): Vaccine development for canine distemper (1993-1994).

Institute of Biology, Universidade Federaldo Rio de Janeiro, in Rio de Janeiro, Brazil (with Dr. Amilcar Tanuri): Transfer of technology to Brazilian laboratories (1992-1996).

USAID: Establishment of a center of molecular biology in Egypt to serve Middle East (1991-1995).

USAID: Transfer of technology in molecular biology to Kenya (1988-).

FAO/United Nation: Transfer of technology in molecular biology to Ethiopia (1988-).

Rush Medical Center, Chicago, Illinois (with Dr. Diana Huang): Determination of the efficacy of measles vaccine H protein (1993-).

Animal Diseases Research Institute, Ontario, Canada (with Dr. Ahmed Afshar): Testing and approval of rapid diagnostic kit for VSV (1991-).

USDA, National Veterinary Services Laboratories (NVSL), Ames, Iowa (with Dr. J. B. Katz): Testing and approval of rapid diagnostic kit for VSV (1992-).

Service (Selected List)

Member, International Health Sciences Committee of the UC Senior International Leaders Council, Representative for the UC Davis School of Veterinary Medicine

Teaching Awards

Outstanding Instructor Award, given by the freshman class of 1971, FAO/United Nations School for Animal Health Assistants, Debre Zeit, Ethiopia.

Super Professor, second-year veterinary students, Washington State University, 1980.

Super Professor, second-year veterinary students, Washington State University, 1984.

Outstanding Teacher Award, second-year veterinary students, University of California, Davis, 2001 B 2002.

International and National Invited Speaker

Yilma was an invited speaker at more than 100 scientific conferences and symposiums.

Press Coverage (Selected List)

1. The British Broadcasting Corporation (BBC) of London (three different programs on the development of a recombinant vaccine for rinderpest):
 - a. The World Farming Program
 - b. Science and Medicine
 - c. Horizon and NOVA (one hour documentary)
2. The Voice of America: Interviewed four different times for the following programs:
 - a. English Program to the World
 - b. English Program to Africa
 - c. Amharic Program to Ethiopia
3. Interviewed on Radio and Television Programs of Switzerland upon receiving the Ciba-Giegy Award, February 1990.
4. Swiss Televisions one-hour documentary on the rinderpest vaccine (telecast March 15, 1990).
5. Interviewed on Radio and Television Programs in Kenya, March 1990.
6. Interviewed on Radio and Television Programs in Ethiopia, March 1990.
7. Interviewed on CBS USA Radio, 1989.
8. One hour program on the Australian BBC, 1994.
9. Extensive global coverage in newspapers including the Wall Street Journal, the New York Times, the London Times, and the International Herald Tribune, on the development of the recombinant vaccine for rinderpest, 1990-96.
10. Extensive local coverage in newspapers and newsletters including Davis Enterprise, Sacramento Bee, UC Davis Dateline, Davis News & Review, UC Davis School of Veterinary Medicines Research Newsletter, UC Davis News, 1990-96.
11. Featured on Cable News Networks (CNN) On the Menu, Biotechnology Approach to World Hunger, broadcast September 10, 1995.
12. The Economist, pp. 79-80, Aug. 14, 1993: Save the Cows.
13. Featured on the Discovery Channel on the positive impact of the rinderpest vaccine in alleviating hunger in Africa and Asia, 1995.
14. Featured in the 1992 BioTechnology Winter Symposia, Advances in Gene Technology: Feeding the World in the 21st Century.
15. Featured, NIH Newsletter, A Novel Approach to Attenuation April, 1996.
16. Featured on the cover of Biotechnology, Vaccines for Ancient Plagues, 8:1007-1009, 1990.
17. Interviewed CNN Television Foot-and-mouth disease outbreak in Europe, March 24, 2001.

18. Interviewed KQED NPRC Foot-and-mouth disease and BSE in Europe, March 24, 2001.
 19. Interviewed to the Wall Street Journal on Thursday March 22, 2001 on foot-and-mouth disease.

<u>Grant Support</u>	<u>Total Amount</u>	<u>Period of Support</u>
Role: PI		
1. NIH/NIAID Yilma (PI) Multiplexed Pen-side.....	\$892,251	2009- 2015
2. NIHNIH/NIAID Smallpox Vaccine (PI).....	\$1,769,727	2005-2010
3. DHS-N00014-04-1-0660 RVF & FMD Vaccines	\$242,991	2004-2009
4. Office of Naval Research (PI, Subcontract).....	\$1,092,805	2004-2007
5. NIH/NIAID SMART Virus Vectors (Co-PI).....	\$408,375 ..	2004-2007
6. NIH Smallpox Vaccine (PI).....	\$1,332,956	2003-2007
7. IAEA Rinderpest (PI).....	\$250,000..	1999-Open
8. Arizona State University.....	\$295,141	2005-2006
9. NIH Safer and More Efficacious AIDS Vaccine	\$222,750	2002-2004
10. USAID Rinderpest Vaccine for Africa	\$875,000	2000-2004
11. NIH Recombinant vaccines SIV (PI).....	\$1,761,894	1997-2000
12. NIH Mucosal immunity SIV (PI)	\$1,412,088	2000-2003
13. NIH SIV Antigen Production (PI).....	\$230,000	1999-2001
14. IAEA Rinderpest Diagnostic (PI)	\$148,000	1999-2001
15. USAID Travel Fund -Rinderpest (PI).....	\$25,000	1999-2000
16. NIH SIV Vaccine	\$172,967	1996-1998
17. NIH SIV Vaccine	\$16,000	1996-1998
18. NIH VSV Grant.....	\$761,894	1994-1999
19. US Army Grant (PI)	\$ 971,618	1995-1998
20. LDRL Formula Grant (PI).....	\$50,000	1991-1998
21. QFAO/United Nations (DebreZeit, Ethiopia).....	\$30,000	
22. NIH-Grant No. A129207 (PI).....	\$2,137,600	
23. USAID-Egypt (PI).....	\$1,839,584	
24. US AID Department of State (PI).....	\$870,000	
25. NIH Grant No. AI26471 (Co-PI).....	\$5,300,000	
26. NIH-Pulmonary (Co-PI).....	\$1,046,670	
27. NIH-Training Grant HIV (Co-PI)	\$868,800	
28. NIH-Pediatrics (Co-PI)	\$1,735,638	
29. Genentech, Inc, Bovine IFN-q (PI)	\$32,315	
30. USDA Grant No. 83-CRSR-2-2189, 1984-1985 (PI)	\$149,985	
31. USDA Grant No. 85-CRSR- (PI)	\$139,303	
32. USDA Grant No.85-CRSR-1-1710 (PI)	\$140,000	
33. USDA Grant No.84-CRSR-2-2514, 1984-1986 (PI).....	\$98,000	
34. USDA Grant No.85-CRSR-2-2189 (PI)	\$57,000	
35. Washington Technology Center (PI).....	\$200,000	
36. Washington State High Technology Commission (PI)	\$80,000	
37. California Biotechnology Inc.(PI)	\$44,000	
38. Equine Research Program No.10S-3925-0044, 1984-1985	\$37,000	
39. Genentech, Inc., 1984 (PI)	\$23,000	
40. Genentech, Inc, 1984-1986 (PI).....	\$32,315	
41. Idaho Beef Council, 1984-1985 (PI).....	\$19,200	
42. Biomedical Research Support Grant, 1980 (PI)	\$2,000	
43. NIH, Office of Grant and Research Development, 1982 (PI).....	\$7,500	
44. American Cancer Society, 1982 (Co-PI)	\$5,728	
45. Univ. of Calif.-MEXUS Advisory Committee (PI).....	\$2,000	
46. Univ. of Calif. Faculty Research Grant (PI).....	\$1,500	

47. FAO/United Nations(for Davis).....\$10,000

Publications List

1. Yilma T, McVicar JW, Breese SS Jr: Prelytic release of foot-and-mouth disease virus in cytoplasmic blebs. *J Gen Virol* 41: 105-114, 1978.
2. Yilma T, Zee YC, Osebold JW: Immunofluorescence determination of the pathogenesis of infection with influenza virus in mice following exposure to aerosolized virus. *J Infect Dis* 139: 458-464, 1979.
3. Yilma T, Breese SS Jr: Morphogenesis of the assembly and release of bovine enterovirus. *J Gen Virol* 49: 225-230, 1980.
4. Yilma T: Morphogenesis of vesiculation in foot-and-mouth disease. *Am J Vet Res* 41: 1537-1542, 1980.
5. Blackwell HJ, Yilma T: Localization of infectious foot-and-mouth disease virus in alveolar cells of the bovine mammary gland. *Am J Vet Res* 42: 770-773, 1980.
6. Yilma T, McGuire TC, Perryman LE: Preliminary characterization of equine interferons and their antiviral activities on bovine, ovine, and human cells. *J Interferon Res* 2: 363-370, 1982.
7. Yilma T, Perryman LE, McGuire TC: Deficiency of interferon-q, but not interferon- β in Arabian foals with severe combined immunodeficiency. *J Immunol* 129: 931-933, 1982.
8. Yilma T: Sensitivity of ovine choroid plexus cells to human and other animal interferons. *J Gen Virol* 64: 2013-2016, 1983.
9. Yilma T, Breeze RG, Leib SR: Greater sensitivity of caprine synovial membrane cells to human interferon-alpha than human or bovine cells. *Am J Vet Res* 45: 2094-2095, 1984.
10. Yilma T, Breeze RG, Ristow, S, Gorham J, Leib SR: The immune response of cattle and mice to the G glycoprotein of vesicular stomatitis virus. *Immunobiology of Proteins and Peptides*, 3:101-115, 1984.
11. Huang SA, Yilma T, Wu T-Y: Correlation between virulence of vesicular stomatitis virus isolates and continued high titers during undiluted passage. *Proc Int Conf Vesicular Stomatitis*, Mexico City, D.F., Mexico, 1: 523-541, 1984.
12. Yilma T, Owens S, Adams DS: Preliminary characterization of a serum viral inhibitor in goats. *Am J Vet Res* 46: 2360-2362, 1985.
13. Davis WC, Yilma T, Perryman LE, McGuire TC: Perspectives on the application of monoclonal antibody and transfection technology in veterinary microbiology. *Prog Vet Microbiol Immunol* 1: 1-24, 1985.
14. Mackett M, Yilma T, Rose JK, Moss B: Vaccinia virus recombinants: Expression of VSV genes and protective immunization of mice and cattle. *Science* 227: 433-435, 1985.
15. Yilma T: Use of ovine and caprine cells to measure antiviral effects of interferon. *Methods Enzymol* 119: 551-558, 1985.
16. Yilma T: Induction of equine interferons. *Methods Enzymol* 119: 130-136, 1985.

17. Yilma T, Breeze RG, Ristow S, Gorham J, Leib SR: Immune responses of cattle and mice to the G glycoprotein of vesicular stomatitis virus. *Adv Exp Med Biol* 150: 101-115, 1985.
18. Yilma T, Breeze RG: New technology for prevention and control of infectious bovine respiratory diseases. *Vet Clin North Am* 1(2): 419-439, 1985.
19. Yilma T, Mackett M, Rose JK, Moss B: Vaccinia virus recombinants expressing vesicular stomatitis genes immunize mice and cattle. In: Quinnan GV ed. *Vaccinia Viruses as Vectors for Vaccine Antigens*. New York: Elsevier-North Holland, pp. 187-200, 1985.
20. Jones L, Ristow S, Yilma T, Moss B: Accidental human vaccination with vaccinia virus expressing nucleoprotein gene. *Nature* 319: 543, 1986.
21. Huang AS, Wu T, Yilma T, Lanman G: Characterization of virulent isolates of vesicular stomatitis virus in relation to interference by defective particles. *Microbial Pathogenesis* 1: 205-215, 1986.
22. Workman T, Shen D, Woodard L, Yilma T: An enzyme-linked immunoassay for the detection of bovine antibodies to vesicular stomatitis. *Am J Vet Res* 47: 1507-1512, 1986.
23. Yilma T, Breeze RG, Ristow S, Gorham J, Leib SR: A glycoprotein subunit vaccine for vesicular stomatitis. *Proc World Assn for Buiatrics (XIV World Congr Dis Cattle)* 1: 408-413, 1986.
24. Yilma T, Mackett M, Rose JK, Moss B: A vaccinia vector vaccine for vesicular stomatitis. *Proc World Assn for Buiatrics (XIV World Congr Dis Cattle)* 1: 402-407, 1986.
25. Yilma T: Biotechnology for Livestock Production. In: Mahey B. ed. *Virus Vector Vaccines*. Food and Agriculture Organization of the United Nations, Rome, Italy. AGA: BIOT/86/32: 2-20, 1986.
26. Leid RW, Suquet CM, Grant RF, Tanigoshi L, Blanchard DB, Yilma T: Taeniaestatin, a cestode proteinase inhibitor with broad host regulatory activity. In: Agabian N, Goodman H, Noguiera N. *Molecular Strategies of Parasitic Invasion*. UCLA Symposium on Molecular and Cellular Biology, 42: 653-663. New York, Alan R. Liss, 1987.
27. Yilma T, Ristow S, Moss B, Jones L: A novel approach for the production of monoclonal antibodies using infectious vaccinia virus recombinants. *Hybridoma* 6: 329-335, 1987.
28. Yilma T, Anderson K., Brechling K, and Moss B: Expression of an adjuvant gene (IFN-gamma) in infectious vaccinia virus recombinants. *Vaccines*, pp. 393-396, 1987.
29. Osburn BI, Yilma T: Animal Disease Diagnostics and Vaccines. *ROC-USA Agricultural Biotechnology Workshop*, pp. 64-82, 1987.
30. Yilma T: Adjuvant genes for infectious virus recombinant vaccines: Use of lymphokines as adjuvants. *Biotechnology U.S.A.* 238-246, 1987.
31. Yilma T, Owens S, Adams SD: High levels of interferon in synovial fluid of retrovirus-infected goats. *J Interferon Res* 8: 45-50, 1988.
32. Anderson P K, Fennie H, Yilma T: Enhancement of a secondary antibody response to vesicular stomatitis virus G protein by interferon-gamma treatment at primary immunization. *J Immunol* 40: 3599-3604, 1988.
33. Grubman M, Mebus C, Dale B, Yamanaka M, Yilma T: Analysis of the polypeptides synthesized in rinderpest

- virus-infected cells. *Virology* 163: 261-267, 1988.
34. Ristow S, Leendersten L, Gorham J, Yilma T: Identification of a neutralizing epitope shared by bluetongue virus serotypes 2 and 13. *J. Virology*. 62: 2502-2504, 1988.
 35. Hsu D, Yamanaka M, Miller J, Dale B, Grubman M, Yilma T: Cloning of the fusion gene of rinderpest virus: comparative sequence analysis with other morbilliviruses. *Virology* 166: 149-153, 1988.
 36. Yamanaka M, Hsu D, Dale B, Crisp T, Grubman M, Yilma T: Cloning and sequence analysis of the hemagglutinin gene of the virulent strain of rinderpest virus. *Virology* 166: 251-253, 1988.
 37. Yilma T: Animal Biotechnology. In: *The National Academy of Sciences & National Research Council: "Science & Technology for Development: Prospects Entering the 21st Century"* pp. 38-40, 1988.
 38. Yilma T, Hsu D., Jones L., Owens S., Grubman M., Mebus C., Yamanaka M., Dale B: Protection of cattle against rinderpest with vaccinia virus recombinants expressing the HA or F gene. *Science* 242: 1058-1061, 1988.
 39. Dale B, Brown R, Kloss, JM, Cordell B, Moore BO, Yilma T: Generation of vaccinia virus-equine influenza A virus recombinants and their use as immunogens in horses. *Fifth International Conference on Equine Infectious Diseases*, 80-87, 1988.
 40. Yilma T: Vaccinia virus as a vector for other antigens. *Proc. U.S. Ani. Hlth. Assn* 92: 94-99, 1988.
 41. ole-MoiYoi OK., Nayar A., Iams K., Musoke AJ, Yilma T: Molecular Aspects of Theileria parva and Approaches to Vaccine Development for Animals. In: Bloom BR, Cerami A eds. *Biomedical Science and the Third World: Under the Volcano. Annals of the New York Academy of Sciences* 569: 174-182, 1989.
 42. Yilma T, Hsu D., Jones L., Owens S., Grubman M., Mebus C., Yamanaka M., Dale B: Expression of rinderpest genes in vaccinia virus Recombinants: Protective immunization of cattle. *Vaccines*, pp. 393-396, 1989.
 43. Yilma T, Owens S, Fennie H, Anderson PK: Enhancement of primary and secondary immune responses by interferon-gamma. *Adv. Exp. Med. Bio.* 251: 145-152, 1989.
 44. Yilma T: Prospects for the total eradication of rinderpest. *Vaccine* 7: 484-485, 1989.
 45. Yilma T: A recombinant vaccine for rinderpest. In: Mukherjee, T.K., ed. *Proceedings of the FAO/UNDP Workshop on Biotechnology in Animal Production and Health in Asia and Latin America*. Beijing, Oct 9-13, 1989.
 46. Yilma T: Virus Vector Vaccines. *Biotechnology for Livestock Production*, Chapter 33: 359-375, 1989.
 47. Limo M, Yilma T: Molecular cloning of the rinderpest virus matrix gene: comparative sequence analysis with other paramyxoviruses. *Virology* 175: 323-327, 1990.
 48. Yilma T: Accomplishments in recombinant vaccines. In Vasil I.K., ed. *Biotechnology: Science, Education, and Commercialization*. New York: Elsevier-North Holland, pp 71-77, 1990.
 49. McGraw TP, Vowles BR, Carlson JR, Luciw PA, Yilma T, Marx P, Haigwood N, Steimer SK, Gardner MB: Immune response of nonhuman primates infected with SIV and immunogenicity studies of lentivirus vaccine products. *Vaccines*, pp. 389-392, 1990.

50. Fox LK, Liggitt HD, Corbeil LB, Yilma T: The effect of interferon-gamma intramammary administration on mammary phagocyte function. *J. Vet. Med.* 37: 28-30, 1990.
51. Yilma T: A modern vaccine for an ancient plague: Rinderpest. *Biotechnology* 8: 1007-1009, 1990.
52. Chillakuru RA, Ryu DDY, Yilma T: Propagation of recombinant vaccinia virus in hela cells: Adsorption kinetics and replication in batch cultures. *Biotechnol. Prog.* 7: 85-92, 1991.
53. Yilma T: Genetically engineered viral vaccines. In: Mailu, A. M. et al., eds. *Proceedings of the National Conference on Plant and Animal Biotechnology: Biotechnology in Kenya*. Nairobi, pp. 59-66, 1991.
54. Limo MK, Ahmad S, Yilma T: Nucleic acid and monoclonal antibody probes in disease diagnosis. In: Mailu, A. M. et al., eds. *Proceedings of the National Conference on Plant and Animal Biotechnology: Biotechnology in Kenya*. Nairobi, pp. 103-111, 1991.
55. Giavedoni L, Jones L, Mebus C, Yilma T: A vaccinia virus double recombinant expressing F & H genes of rinderpest virus protects cattle against rinderpest and causes no pock lesions. *Proc. Natl. Acad. Sci. U.S.A.* 88: 8011-8015, 1991.
56. Yilma T: The role of biotechnology in tropical diseases. In Williams J, Kocan K, and Gibbs EP, *Tropical Veterinary Medicine: Current Issues and Perspectives*, Annals of the New York Academy of Sciences, 653: 1-6, June 16, 1991.
57. Yilma T: A vaccinia virus recombinant vaccine for rinderpest. *World Animal Review* (A Quarterly Journal of the FAO/UN on Animal Health, Production, and Products). 69: 2-6, 1991.
58. Gardner M, Yamamoto J, Marthas M, Miller C, Jennings M, Rosenthal A, Luciw P, Planelles V, Yilma T, Giavedoni L, Ahmad S, Steimer K, Haigwood N, Pedersen N: SIV and FIV vaccine studies at UC Davis: 1991 Update. *Proceedings of the NCVDG*, Marco Island, FL. October 15-19, 1991.
59. Yilma T, Jones L, Mebus C, Giavedoni L: A non-pock forming vaccinia virus double recombinant expressing the F and H genes protects cattle against rinderpest. *Proc. U.S. Ani. Hlth. Assn.*, 95th An Meeting, 50-58, 1992.
60. Planelles V, Giavedoni L, Marthas M, Ahmed S, Scandella C, Luciw P, Yilma T, Marx P, Lackner, A, Gardner M, Haigwood N: Vaccine studies with SIVmac1A11 recombinant GP130: lack of protection from SIVmac251 challenge. *Vaccines*, p. 123-129, 1992.
61. Haigwood N, Misher L, Chin SM, Blair M, Planelles V, Scandella C, Steimer K, Gardner M, Yilma T, Hirsch V, Johnson P: Characterization of group specific antibodies in primates: studies with SIV envelope in macaques. *J. Med. Primatol.*, 21: 82-90, 1992.
62. Gardner MB, Yamamoto M, Marthas M, Miller C, Jennings M, Rosenthal A, Luciw P, Planelles V, Yilma T, Giavedoni L, Ahmad S, Steimer K, Haigwood N, Pedersen N: SIV and FIV Vaccine Studies at UC Davis: 1991 Update. *AIDS Res. Hum. Retrov.* 8:1495-1498, 1992.
63. Maclachlan NJ, Rossitto PV, Heidner HW, Iezzi LG, Yilma T, DeMaula CD, Osburn BI: Variation amongst the neutralizing epitopes of bluetongue viruses isolated in the United States in 1979-1981, *Vet. Microbiology*, 31: 303-316, 1992, Elsevier Science Publishers, 1992.
64. Yilma T: Recombinant Vaccines: Vaccinia Virus Vectored Vaccines. In, Osburn B, Castrucci G, Schore C: *New and Emerging Infectious Diseases, Proceedings of the World Association of Veterinary Microbiologists*,

- Immunologists and Specialists in Infectious Diseases (WAVMI)*, University of California, Davis, pgs. 181-187, Sept. 9-12, 1992.
65. Giavedoni L, Jones L, Gardner M, Gibson H, Ng C, Barr P, Yilma T: Vaccinia virus Recombinants Expressing Chimeric Proteins of Human Immunodeficiency Virus and Gamma-Interferon Are Attenuated for Nude Mice. *Proc.Natl. Acad. Sci. U.S.A.* 89: 3409-3413, 1992.
 66. Yamanaka M, Dale B, Crisp T, Cordell, B, Grubman M, Yilma T: Sequence analysis and editing of the phosphoprotein (P) gene of rinderpest virus. *Virology*, 190: 553-556, 1992.
 67. Yilma T. The Role of Biotechnology in Tropical Diseases. *Ann N Y Acad Sci* 653: 1-5, 1992.
 68. Giavedoni L, Planelles V, Haigwood N, Ahmad S, Kluge JD, Marthas M, Gardner MB, Luciw P, Yilma T: Immune response of rhesus macaques to recombinant SIVgp130 does not protect from challenge infection. *J. Virology.*, 67: 577-583, 1993.
 69. Ahmad S, Bassiri M, Banerjee A, Yilma T: Immunological characterization of the VSV nucleocapsid (N) protein expressed by recombinant baculovirus in *spodoptera exigua* larva: Use in differential diagnosis between vaccinated and infected animals. *Virology*, 192: 207-216, 1993.
 70. Bassiri M, Ahmad S, Giavedoni L, Jones L, Saliki J, Mebus C, Yilma T: Immunological Response of Mice and Cattle to Baculovirus-Expressed F and H proteins of rinderpest virus: Lack of protection in the presence of neutralizing antibody. *J. Virology.*, 67: 1255-1261, 1993.
 71. Ahmad S, Giavedoni L, El-Amad Z, Haigwood N, Kilpatrick J, Scandella C, Marthas M, Gardner M, Luciw P, Yilma T: Immune Response of Rhesus Macaques to Recombinant SIV gp160 Does Not Protect from Challenge Infection. *Vaccines*, p. 57-62, 1993.
 72. Jones L, Giavedoni L, Saliki J, Brown C, Mebus C, Yilma T: Protection of goats against peste des petits ruminants with a vaccinia virus double recombinant expressing the F and H genes of rinderpest virus. *Vaccine*, 11:9, 961-964, 1993.
 73. Yilma T, Giavedoni L, Saliki J, Brown C, Mebus C, Jones L: Protection of goats against peste des petits ruminants by a vaccinia virus double recombinant expressing the F and H genes of rinderpest virus. *Proc. U.S. Ani. Hlth. Assn*, 96th Annual Meeting, 184-189, Louisville, Kentucky, 1993.
 74. Yilma T. Transfer of Technologies in Molecular Biology to Developing Countries. Recombinant Vaccines and Rapid Diagnostic Kits for Diseases in the Developing World. *Ann N Y Acad Sci* 700: 22-31, 1993.
 75. Yilma T: Vaccinia virus recombinant vaccines against rinderpest. In *Volume of Recombinant Vaccines: New Vaccinology*, Edouard Kurstak, Editor, 1994.
 76. Yilma T Low risk of vaccinia virus recombinant (vRVFH) vaccine for rinderpest. *New Scientist* 744: 62, 1994.
 77. Harrer E, Harrer T, Buchbinder S, Mann D.L., Feinberg M, Yilma T, Johnson R, and Walker B: HIV-1 specific cytotoxic T lymphocyte response in healthy, long-term nonprogressing seropositive persons. *AIDS Res. Hum. Retrov*, 10: 77-78, 1994.
 78. Ismail T, Ahmad S, D'Souza-Ault M, Bassiri M, Saliki J, Mebus C, Yilma T: Cloning and expression of the nucleocapsid gene of virulent kabete o strain of rinderpest virus in baculovirus: use in differential diagnosis between vaccinated and infected animals. *Virology* 198: 138-147, 1994.

79. Yilma, T: Recombinant vaccines and rapid diagnostic kits: transfer of technologies to developing countries. In G. P. Talwar et al, eds., ***Recombinant and Synthetic Vaccines***, Narcosa Publishing, Inc., 1-14, 1994.
80. Yilma, T: Transfer of technologies in molecular biology to developing countries - recombinant vaccines and rapid diagnostic kits for diseases in the developing world. In ***Biotechnology Research & Development Trends: Science Policy for Development***, New York Academy of Sciences, 700: 22-31, 1994.
81. Ismail T, Ahmad S, Saliki J, Mebus C, Yilma T: Differential diagnosis between rinderpest-virus vaccinated and infected animals using the nucleocapsid protein expressed in baculovirus. ***Proc. U.S. Ani. Hlth. Assn***, 97th Annual Meeting, Las Vegas, Nevada, pages 107-117, 1994.
82. Yilma T: Genetically engineered vaccines for animal viral diseases. ***J.Am.Vet.Med. Assn.*** 204:1606-15, 1994.
83. Ahmad S, Lohma B, Marthas M, Giavedoni L, El-Amad Z, Haigwood N, Scandella C, Gardner M, Luciw P, Yilma T: Reduced virus load in rhesus macaques immunized with recombinant gp160 and challenged with simian immunodeficiency virus. ***AIDS Res.Hum.Retrov***, 10: 195-204, 1994.
84. Yilma T: Applications of recombinant vaccinia virus for veterinary vaccines. ***Recombinant Veterinary Vaccines***, 82: 201-209, 1994.
85. Mitchell WM, Torres J, Johnson PR, Hirsch V, Yilma T, Gardner MB, Robinson WE Jr.: Antibodies to the putative SIV infection-enhancing domain diminish beneficial effects of an SIV gp160 vaccine in rhesus macaques. ***AIDS Res.Hum.Retrov***, 9: 27-34, 1995.
86. Ismail T, Yamanaka M, Saliki J, El-Kholy A, Saliki J, Mebus C, and Yilma T: Cloning and expression of the nucleocapsid gene of peste des petits ruminants virus in baculovirus for use in serological diagnosis. ***Virology***, 208: 776-778, 1995.
87. Yilma T: Vaccinia virus recombinant vaccines for rinderpest. ***Dev Biol Stand. Basel, Karger***, 201-208, 1995.
88. Yilma T: Vaccine technology. ***Encyclopedia of Molecular Biology and Mol Medicine***, 6: 945-947, 1995.
89. de Mattos CC, de Mattos CA, Maclachlan NJ, Giavedoni LD, Yilma T, Osburn BI. Phylogenetic Comparison of the S3 Gene of United States Prototype Strains of Bluetongue Virus with that of Field Isolates from California. ***J. Virology***. 70(8): 5735-9, 1996.
90. Harrer T, Harrer E, Kalams S, Elbeik T, Staprans S.I., Feinberg M, Cao Y, Ho D, Yilma T, Caliendo A, Johnson R, Buchbinder S, and Walker B: Strong cytotoxic T cell and weak neutralizing antibody responses in a subset of persons with stable nonprogressing HIV-1 infection. ***AIDS Res.Hum.Retrov***, 12: 585-592, 1996.
91. Giavedoni L, Yilma T: Construction and characterization of replication-competent SIV vectors that express interferon-gamma. ***J. Virology***, 70: 2247-2251, 1996.
92. Yilma T. Sustainable Animal Production in Developing Countries. ***The Forum Engleberg: Food & Water, A Question of Survival***. Engleberg, Switzerland, p. 1-13, 1997.
93. Giavedoni L, Jones L, Ahmad S, Yilma T: Expression of gamma interferon by simian immunodeficiency virus decreases attenuation and reduces postchallenge virus load in vaccinated rhesus macaques. ***J. Virology***, 71:866-872, 1997.

94. Jones L, Tenorio E, Gorham J, Yilma T. Protective vaccination of ferrets against canine distemper with recombinant pox virus vaccines expressing the H or F genes of rinderpest virus. *Am. J Vet. Res.* 58: 590-3, 1997.
95. Rickie WK, Wakenell PS, Ahmad S, Yilma T, Hirsh DC. Lack of protection against avian cholera by vaccination with recombinant P6-like protein from *Pasteurella multocida*. *Avian Diseases* 41: 972-976, 1997.
96. Yamanaka M, Yilma T. Altered plaque formation by recombinant vaccinia virus expressing SIV Δ nef. *J. Virology.* 72: 5291-5295, 1998.
97. Araqdaib IE, Wilson WC, Shore CE, Mohammed MEH, Yilma T, Osburn BI. PCR detection of North America and Central African isolates of epizootic hemorrhagic disease virus (EHDV) based on genome segment 10 of EHDV Serotype 1. *J Clin Micro* 36: 2604-2608, 1998.
98. Hodges JF, Balasurya UBR, Ahmad S, TimoneyPJ, McCollum WH, Yilma T, Maclachlan NJ. Detection of Antibodies to equine arteritus virus by enzyme linked immunosorbant assays utilizing GL, M and N proteins expressed from recombinant baculoviruses. *J. Virol. Meth.* 76: 127-137, 1998.
99. Patterson JB, Scheiflinger F, Manchester M, Yilma T, Oldstone MBA. Structural and functional studies of the measles virus hemagglutinin: Identification of a novel site required for CD46 interaction. *Virology* 256: 142-151, 1999.
100. Gauduin M-Cl, Clickman RL, Ahmad S. Yilma T, Johnson RP. Characterization of SIV-specific CD4+ T helper proliferative responses in macaques immunized with live attenuated SIV. *J. Med. Primatology.* 28:233-241, 1999.
101. Gauduin M-Cl, Clickman RL, Ahmad S. Yilma T, Johnson RP. Immunization with live attenuated simian immunodeficiency virus induces strong type 1 T helper responses and-chemokine production. *Proc.Natl. Acad. Sci. U.S.A.* 96: 14031-14036, 1999.
102. Jones L, Ahmad S, Verardi PH, Chan K, Simon V, Waddell D, and Yilma. T. Enhanced safety and efficacy of live attenuated SIV vaccines by prevaccination with recombinant vaccines. *J. Med. Primatology,* 29: 231-239, 2000.
103. Yilma TD, Ahmad S, Verardi PH, Aziz F, Diop M, Jones L, Egziabher B, Mabratu GY, Wamwayi H, Sarr J. A strategy for a successful end to the perpetual rinderpest eradication program: Recombinant vaccines and diagnostic kits for rinderpest. In: Jeggo, M, ed. *Proceedings of the Third Research Co-ordination Meeting of the Co-ordinated Research Project on ARinderpest seromonitoring and surveillance in Africa using immunoassay technologies.* @ Vienna, Austria, Oct16-20, 2000.
104. Ahmad S, Jones L, Yilma T: SIV expressing Interferon-G in rhesus macaques is a model for efficacious and safe live attenuated vaccines against AIDS. *XIII International AIDS Conference*, Monduzzi Editore, 31-36, 2000.
105. Verardi, PH., L. Jones, F. Aziz, S. Ahmad, and Yilma. T. Vaccinia virus vectors with an inactivated gamma interferon receptor homolog gene (B8R) are attenuated in vivo without a concomitant reduction in immunogenicity. *J. Virology.* 75: 11-18, 2001.
106. Roger F., Guebre Yesus M., Libeau G., Diallo A., Yigezu L.M., and Yilma. T. Detection of antibodies of rinderpest and peste des petits ruminants viruses (*Paramyxoviridae*, Morbillivirus) during a new epizootic disease in Ethiopian camels (*Camelus dromedarius*). *Revue Med. Vet.* 152: 265-268, 2001.
107. Yilma T. Biotechnology for Development: Human and Animal Health Perspectives. *Scientific Forum, IAEA.* 38-40, September 18-19, 2001.

108. Verardi P, Aziz F, Ahmad S, Jones L, Beyene B, Ngotho R, Wamwayi H, Gebre Yesus M, Gebre Egziabher B, Yilma T. Long-term sterilizing immunity to rinderpest in cattle vaccinated with a recombinant vaccinia virus expressing high levels of the fusion and hemagglutinin glycoproteins. *J. Virology* 76: 484-491, 2002.
109. Yilma T, Sarr J. Validation of an indirect enzyme-linked immunosorbent assay for the detection of antibodies against rinderpest virus in cattle. *Inter-African Bureau for Animal Resources of the Organization of African Unity OAU-IBAR*, September 2002.
110. Yilma T, Ahmad S, Jones L, Ngotho R, Wamwai H, Berhanu B, Mebratu G, Berhe G, Diop M, Sarr J, Aziz F, Verardi P. Inexpensive vaccines and rapid diagnostic kits tailor-made for the global eradication of rinderpest. In Vaccines for OIE List A and Emerging Animal Diseases. *Developments in Biologicals* . 114: 99-111, 2003.
111. Yilma T, Aziz F, Jones L, Ngotho R, Wamwai H, Beyene B, Yesus M, Eghiabher B, Diop M, Sarr J, Verardi P. Global eradication of rinderpest with recombinant vaccines and rapid diagnostic kits produced in Africa under the auspices of AU/IBAR. *Verification of Rinderpest Freedom: FAO-EMPRES Technical Consultation on the Global Rinderpest Eradication Programme*, 27-34, October 2002.
112. Yilma T.D., L.A. Jones, and P.H. Verardi. Genetic engineering of vaccines. In R.A. Meyers (Ed.), *Encyclopedia of Molecular Cell Biology and Molecular Medicine*. WILEY-VCH, Weinheim, Germany, 2003.
113. Gauduin M-C, Kaur A, Ahmad S, Yilma T, Lifson JD, Johnson RP. Optimization of intracellular cytokine staining for the quantitation of antigen-specific CD4+ T cell responses in rhesus macaques. *J. Immunol. Methods*. 288: 61-79, 2004.
114. Legrand F, Verardi P, Jones L, Chan K, Peng Y, Yilma T. Induction of potent humoral and cell-mediated immune responses by attenuated vaccinia virus vectors with deleted serpin genes. *J. Virology*. 78: 2770-2779, March 2004.
115. Legrand FA, Verardi PH, Chan KS, Peng Y, Jones LA, Yilma T. Vaccinia viruses with a serpin gene deletion and expressing IFN- γ -induce potent immune responses without detectable replication in vivo. *Proc. Natl. Acad. Sci. U.S.A.* 102: 2940-2945, 2004.
116. Chan KC, Verardi PH, Legrand FA, Yilma T. Nef from pathogenic simian immunodeficiency virus is a negative factor for vaccinia virus. *Proc. Natl. Acad. Sci. U.S.A.* 102: 8734-8739, 2005.
117. Peng Y, Lin FC, Verardi PH, Jones LA, McChesney MB, Yilma TD. Pseudotyped Single-Cycle Simian Immunodeficiency Viruses Expressing Gamma Interferon Augment T-Cell Priming Responses In Vitro. *J. Virology*. 81: 2187-2195, March 2007.
118. Lin FC, Y Peng, LA Jones, PH Verardi, T. Yilma. Incorporation of CD40 Ligand into the Envelope of Pseudotyped Single-Cycle Simian Immunodeficiency Viruses Enhances Immunogenicity. *J. Virology*. 83: 1216-1227, 2009.
119. Peng Y, FC Lin, PH Verardi, LA Jones, T. **Yilma** Lower Levels of Gamma Interferon Expressed by a Pseudotyped Single-Cycle Simian Immunodeficiency Virus Enhance Immunogenicity in Rats. *J. Virology*. 83: 1446-08, 2009.
120. **Yilma T**, PH Verardi, LA Jones. Development of safe and efficacious viral vaccines for animals. *Crit Rev Immuno* .30:223-237, 2010.

121. Papin JF, Verardi HP, Jones LA, Monge-Navarro F, Brault AC, Holbrook MR, Worthyc MN, Freiberg AN, **Yilma TD**. Recombinant Rift Valley fever vaccines induce protective levels of antibody in baboons and resistance to lethal challenge in mice. *Proc. Natl. Acad. Sci. U.S.A* 108: 14926 – 14931, 2011.
122. Holechek SA, Denzler KL, Heck MC, Schriewer J, Buller RM, Legrand FA, Verardi PH, Jones LA, **Yilma T**, Jacobs BL. Use of a Recombinant Vaccinia Virus Expressing Interferon Gamma for Post-Exposure Protection against Vaccinia and Ectromelia Viruses. *PLoS One*. 17;8(10):e77879, 2013.
123. Grigg P, Titong A , Jones LA, **Yilma TD**, Verardi HP. Safety mechanism assisted by the repressor of tetracycline (SMART) vaccinia virus vectors for vaccines and therapeutics. *Proc. Natl. Acad. Sci. U.S.A* 110:15407-15412, 2013.
124. Verardi PH, Legrand FA. Chan KS, Peng Y, Jones LA, **Yilma TD**. IL-18 Expression Results in a Recombinant Vaccinia AU1c Virus That Is Highly Attenuated and Immunogenic. *J IFN & Cyt Res*.34:169-78. 2014