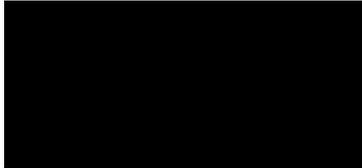


CURRICULUM VITAE

David Leroy Lakey, M.D.
Commissioner
Texas Department of State Health Services

Address:



Telephone:

Fax:

E-mail:



Current Position

Commissioner, Texas Department of State Health Services

2007-current

As the Commissioner of this agency, I serve as both the Commissioner of Health for Texas and as the Chief Executive Officer for the agency. DSHS has a budget of \$3.3 billion and a workforce of approximately 13,900. DSHS is the lead agency for public health, substance abuse services, and mental health services in Texas. Responsibilities related to public health include the state's regulatory programs, emergency medical services and trauma services, WIC services, family planning, vital statistics and health data, infectious disease control, chronic disease prevention, public health laboratory services, and the health components to disaster response in Texas. Responsibilities related to behavioral health include oversight of the states 11 mental health hospitals and contracting for the state's community mental health and substance abuse services. Responsibilities of the Commissioner also include representing the agency to the Texas Legislature, advising leadership on health related issues and promoting health for all Texans.

Previous Position:

International Mineral & Chemical Company
Co-op Laboratory Technician

1984-1986

Krannert Institute of Cardiology

May & August 1987

Tenwek Hospital, Bomet, Kenya

February-April 1990

February-April 1993

National Jewish Hospital Guest Fellow
Mycobacteriology Service

1997

Assistant Professor of Medicine Immunology & Cell Biology Department of Subspecialty Medicine University of Texas Health Center at Tyler	August 1998-Sept. 2002
Associate Professor of Medicine Immunology & Cell Biology Department of Subspecialty Medicine University of Texas Health Center at Tyler	Sept. 2002-Dec. 2006
Chief, Division of Infectious Disease University of Texas Health Center at Tyler	May 2001-Dec. 2006
Medical Director Center for Pulmonary and Infectious Disease Control University of Texas Health Center at Tyler	May 2001-2006
Medical Director Public Health Laboratory of East Texas	2002-2006
Responsible Officer, UTHCT	2003-2006
Associate Director for Biosecurity and Infectious Disease University of Texas Health Science Center at Houston School of Public Health Center for Biosecurity and Public Health Preparedness	August 2004-Dec. 2006
Health Authority City of Tyler/ Smith County	2006

Education:

Undergraduate:

School: Rose Hulman Institute of Technology
Dates: August 1982-May 1986
Degree: Chemistry (BS) GPA: 3.92
Honors: Summa Cum Laude, Merck Award in Chemistry, Alpha Chi Sigma
Scholar, Blue Key Honor Fraternity

Medical:

School: Indiana University School of Medicine
Dates: August 1986-May 1990
Degree: MD
Honors: AOA, Junior Class President

Postdoctoral Clinical Training:

Program: Vanderbilt University Hospital
Joint Internal Medicine and Pediatric Medicine Internship and Residency
Dates: July 1990-June 1994

Subspecialty and Research Training:

Program: Vanderbilt University Medical School
Adult and Pediatric Infectious Disease Fellowship
Dates: July 1994-June 1998

Honors:

1986	Summa Cum Laude, Merck Award in Chemistry Alpha Chi Sigma Scholar, Blue Key Honor Fraternity
1990	Alpha Omega Alpha
1995	Upjohn Award in Infectious Disease (Southern Society of American Federation for Clinical Research)
1997-98	Grant Liddle Scholar, Vanderbilt University Department of Medicine
1998	Long Rifle Award, Nashboro District, Boy Scouts of America
2006	Career Achievement Award, Rose Hulman Institute of Technology
2012	Leadership Award, March of Dimes
2013	Leadership Award, Association of Maternal and Child Health Programs

Board Certification:

The American Board of Pediatrics (1994-2001)
The American Board of Internal Medicine (1995-2005)
Infectious Disease (1998)
Pediatric Infectious Disease (2001)

Medical License:

State of Tennessee	1997-1998
State of Texas K7325	1998-present

Military:

Texas Medical Rangers, Texas State Guard, 19th Brigade
Lieutenant Colonel and Executive Officer of Tyler Division

Community Service Work:

Scoutmaster Troop 3, Boy Scouts of America, Nashville, TN, 1990-1998
Nashboro District Committee, Boy Scouts of America, 1994-1998
Church Board, Lakeview Nazarene Church, 2002-2007
North East Texas Public Health District Board 2003-2006

Grants:

Recipient of 1995-1997 National Pediatric Infectious Disease Society Grant
Total \$60,000 over 2 years

- NIH training grant: July 1997-June 1998
- 1998 Research Council's Distinguished Scientist Grant entitled:
The Immunogenicity and Biological function of M. tuberculosis PE and PPE proteins.
Total \$4000
- Potts Memorial Foundation entitled The Vaccine potential of novel proteins of Mycobacterium tuberculosis July 1999-July 2000
Total \$30,000
- NIH Grant KO8 H104298-01
Grant title: Mycobacterial genes that enhance intracellular growth
Direct cost \$124,000 per year x 5 years
- Telecommunications Infrastructure Grant entitled "Emerging Infectious Disease"
Co-Principal Investigator Starting date August 2002
Total Funding; \$763,000
- Public Health Laboratory of East Texas Starting date October 2002
Funding agency Texas Department of Health and CDC
Principal Investigator
Total funding to date: \$2,657,000
- Texas Statewide Bioterrorism Continuing Education Starting date October 2003
Funding Agency HRSA
Co-PI and Curriculum Coordinator
Total regional funds: \$914,87, Renewed 2005
- Regional Microbiology Laboratory Starting date November 2003
Funded by HRSA
Total Funding: \$197,000
- Center for Biosecurity and Public Health Preparedness September 2004-Dec. 2006
(Dr. Lillibridge at UTHSCH-SPH PI), Funded by Center for Disease Control
Total funding \$1.1 million x 5 years Subcontract to UTHCT for \$32,832/yr
- Bioterrorism and Emergency Preparedness in Aging September 2004-September 2005
(PI-Dr. Robert Rousch at Baylor University Medical Center)
Subcontract to UTHCT for \$30,000
- Emergency Response Training Curriculum Development
Funded by TDH, (PI-Dr Herbold, UTHSCSA),
Total funding: \$30,240

Southwest Center for Pediatric and Environmental Health
(PI-Larry Lowry, UTHCT), Advisor (2% effort)

The Tyler Community Based Participatory Research Program, submitted to NIH as an
R21-pending

Texas Department of State Health Services
Pandemic Influenza Training for Infection Control Practitioners
Total funding: \$80,000

Start date September 2006

Clinical Research:

A phase 3, randomized, double blinded, parallel-group, multinational trial of intravenous
Telavancin versus Vancomycin for treatment of hospital-acquired pneumonia, with a
focus on patients with Methicillin Resistant Staphylococcus Aureus, Sponsor Theravance

Role of Atypical Pathogens in COPD Exacerbation-UTHCT Internal Grant, \$10,000

Committee Responsibilities:

UTHCT Institutional Committees

Institutional Bio-safety Committee	(1998-2006)
Committee Vice Chairman	(1998-2006)
Bio-safety Officer	(1998-2006)
Infection Control Committee	(1999-2006)
Chairman	(2002-2006)
Infectious Organism Research Review Committee	(2002-2006)
Chairman	
Research Compliance Committee	(2003-2006)
Pharmaceutical and Therapeutics Committee	(2001-2006)
Ad hoc Advisor for Infectious Disease Issues	
Medical Executive Committee	(2001-2002)
Clinical Faculty Assembly Representative	
Medical Management Committee	(2002-2006)
Clinical Faculty Assembly President	(2002-2003)
Information Technology Physicians Advisory Committee	(2004-2006)
Clinical Operations Group	(2005-2006)

Chairs Committee	(2006-2006)
Environment of Care Committee, UTHCT Emergency Management Section Leader	(2006)
<u>Extra-Intuitional Committee Responsibilities</u>	
University of Texas Faculty Assembly Council Health Committee Chair	(2002-2004) (2003-2004)
Northeast Texas Public Health District Board of Directors Vice-chairman	(2003-2006) (2004-2006)
TDSHS, Public Health CE Committee Board Member	(2005-2006)
University of Texas Weapons of Mass Destruction Task Force	(2002-2006)
Regional Advisory Council on Trauma Executive Committee Bioterrorism Committee (CHAIR), Regional Advisory Committee Plan and oversee the distribution of \$3.7 million dollars to regional hospitals	(2003-2006) (2003-2006)
Curriculum Committee (CHAIR), TX BCE project	(2003-2006)
Reg. Ctr of Excellence in Emerging Inf. Dis. (UTMB) (Advisor)	(2003-2006)
TDSHS, Senior Academic Advisory Council on Preparedness	(2002-2006)
Regional Medical Response System Steering Committee	(2005-2006)
<u>Ad hoc Committees:</u>	
Use of H37Ra TB Strain at UTHCT, Chairman	(2001)
Committee on UTHCT Bioterrorism preparedness (Vice Chairman).	(2001)
Blue Ribbon Committee on Childhood Tuberculosis Policy Development, Texas Department of Health	(2001, 2002)
TDH Tuberculosis Experts Committee	(2003)
University of Texas Public Health Task Force	(2004)
UTHCT Tenure Development Committee	(2004)
Environment of Care Committee for JCAHO evaluation	(2005-2006)

Invited Lectures and Presentations:

- 1) Lakey DL, Edwards K, Kernodle D. Complement Mediated Ingestion and Activation of the Superoxide Pathway in BCG, Southern Society of the American Federation for Clinical Research, February 1995 (oral presentation)
- 2) Lakey DL, Voladri RKR, Hagar C, Edwards KM, Kernodle DS. Enhanced production of recombinant Mycobacterium tuberculosis antigens in Escherichia coli by replacement of low-usage codons. Thirty-second Annual Joint United States and Japanese Conference on Tuberculosis and Leprosy, July 1997. (oral presentation)
- 3) Lakey DL, Hager C, Kernodle DS, Edwards KM. Inhibition of Cell Wall Synthesis Enhances Electroporation Efficiency of Mycobacteria. Thirty-second Annual Joint United States and Japanese Conference on Tuberculosis and Leprosy, July 1997.
- 4) Lakey DL, Voladri RKR, Edwards KM, Kernodle DS, Enhanced Production of Recombinant Mycobacterium tuberculosis Antigen 85B in Salmonella by Replacement of Low-usage Codons. Infectious Disease Society of America, October 1997.
- 5) Antibiotic Resistant Gram Positive Pathogens, Texas Society of Infection Control Practitioners, Austin, Texas, September 28, 2000
- 6) Antibiotic Resistant Gram Positive Pathogens, Texas Society of Infection Control Practitioners, Arlington, Texas, January 4, 2001
- 7) Symposium on Bioterrorism and Aids, Phillips University Legacy Foundation, Jarvis Christian College, Hawkins, Texas, October, 2002
- 8) Smallpox, Airline Medical Directors Association, April 2003
- 9) The History, Agents and Potential Impact of Bioterrorism, International Symposium on Homeland Security-"Developing Agile Enterprises to Overcome Vulnerability", July 2003
- 10) SARS, University of Texas at Dallas, April 2003
- 11) Building Links and Closing Gaps in the Management of BT/TB, Exploring TB/BT Linkages, TB Education Center, Dallas, TX December 3, 2003
- 12) Building Links and Closing Gaps in the Management of BT/TB" Exploring TB/BT Linkages, TB Education Center, San Antonio, TX December 4, 2003
- 13) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Grand Rounds, UTHCT, December 12, 2003
- 14) Biological Disasters, BDLS Train the Trainer course, January 31, 2004
- 15) Bioterrorism and Other Public Health Emergencies, Current Advances in Pulmonary and Infectious Disease, Harlingen, TX February 6, 2004
- 16) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Current Trends, 2004 Family Practice Update, UTHCT Tyler, TX, February 7, 2004
- 17) Biological Events chapter, BDLS Tyler, TX March 15, 2004
- 18) Bioterrorism and Other Public Health Emergencies, Current Advances in Pulmonary and Infectious Disease, Midland, TX March 26, 2004
- 19) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, 5th Annual Adolescent Medicine Conference, Tyler, TX April 3, 2004

- 21) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, ETMC Athens, TX April 6, 2004
- 22) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Laird Hospital, Kilgore, TX April 15, 2004
- 23) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, ETMC, Tyler, TX April 20, 2004
- 24) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, UTHCT, Tyler TX April 23, 2004
- 25) Biological Events chapter, BDLS Marshall, TX, May 4, 2004
- 26) Biological Events chapter, BDLS Tyler, TX June 8, 2004
- 27) Biological Events chapter, Hawaii, June 14, 2004
- 28) The Diagnosis and Management of Tuberculosis, Mercy Ships, Tyler, TX June 24, 2004
- 29) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, UTHCT, Tyler, TX July 8, 2004
- 30) Disaster Paradigm chapter, Detection chapter, CDLS Tyler, TX, July 22, 2004
- 31) Biological Events Chapter, BDLS Tyler, TX July 23, 2004
- 32) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, UTHCT, Tyler, TX August 3, 2004
- 33) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Titus Regional Hospital, Mt. Pleasant, TX August 19, 2004
- 34) Disaster Paradigm chapter, Biological Events chapter, BDLS Nacogdoches, TX, August 20, 2004
- 35) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, GSMC Longview, TX, September 2, 2004
- 36) Disaster Paradigm chapter, Recover chapter, CDLS Longview, TX September 14, 2004
- 37) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Current Advances in Pulmonary and Infectious Disease, Corpus Christie, September 24, 2004
- 38) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Palestine Regional Medical Center, Palestine, TX, October 21, 2004
- 39) Preparing for Infectious Disease Outbreaks, Rotary Club Tyler, TX October 25, 2004
- 40) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Woodland Heights Medical Center, Lufkin, TX, November 2, 2004
- 41) Public Health Overview, North Texas Public Health Department, Tyler TX, November 10, 2004
- 42) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Current Advances in Pulmonary and Infectious Disease, College Station, TX, December 3, 2004
- 43) Biological Events chapter, BDLS, Medical Association of Alabama, Point Clear, Alabama December 4, 2004
- 44) Biological Events chapter, Public Health Implications of Disasters, Carnegie Mellon University, Pittsburgh PA, January 6, 2005
- 45) Biological Events chapter, BDLS UTHCT, Tyler, TX, January 7, 2005

- 46) NDLS Overview, Society of Thoracic Surgery, Tampa, FL, January 23, 2005
- 47) Core Disaster Life Support, Bryan, TX January 28, 2005
- 48) SARS , Kauia 2nd Annual Conference on Bioterrorism February 2-4, 2005 West Nile, Kauia 2nd Annual Conference on Bioterrorism February 2-4, 2005
- 49) Epidemiology Response Training, Kauia 2nd Annual Conference on Bioterrorism
- 50) Avian Influenza , Kauia 2nd Annual Conference on Bioterrorism February 2-4, 2005
- 51) Public Health Leadership Training, Texas Department of State Health Services and UT School of Public Health, Arlington, TX February 16, 2005
- 52) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, CPIDC conference, Abilene, TX February 25, 2005
- 53) Preparing for Bioterrorism and Other Public Health Emergencies in East Texas, Senior Academic Advisory Committee on Public Health Preparedness to the Commissioner of the Texas Department of State Health Services, March 11, 2005
- 54) Bioterrorism, University of Texas at Tyler, March 22, 2005
- 55) TB and Bioterrorism, Austin, TX March 23, 2005
- 56) Recognizing and responding to Bioterrorism and Other Public Health Emergencies, CPIDC conference, El Paso, TX, April 1, 2005
- 57) Bioterrorism Preparedness in Tyler, Tyler Leadership, April 14, 2005
- 58) Responding to Bioterrorism and Other Public Health Emergencies in East Texas, Texas Department of Health Regional Bioterrorism Conference, Austin , Texas, April 27, 2005
- 59) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, East Texas Nurse Practitioners Association, Tyler, TX April 22, 2005
- 60) Detection chapter, Core Disaster Life Support, Tyler, TX April 25, 2005
- 61) Biological chapter, Basic Disaster Life Support, UTHCT, Tyler, TX May 6, 2005
- 62) Preparing for Bioterrorism in Rural America: an East Texas Model., University of Chicago, May 19, 2005
- 63) Public Health Leadership Training, Texas Department of State Health Services and UT School of Public Health, May 24 and 25th
- 64) Public Health Emergencies, Rotary Club of Athens, Athens, TX June 9, 2005
- 65) Public Health Emergencies, Public Health Conference, Tyler, TX June 28, 2005
- 66) Smallpox, US Virgin Islands Health Department, St. Croix, July 15, 2005
- 67) Smallpox, US Virgin Islands Health Department, St. Thomas, July 15, 2005
- 68) Basic Disaster Life Support, Memorial Hospital, Nacogdoches, TX July 8, 2005
- 69) Public Health Leadership Training, Texas Department of State Health Services and UT School of Public Health, Public Health Institute, Houston, Texas, July 21, 2005
- 70) SARS, July 29 U.S. –Mexico Boarder Health and Infectious Disease Surveillance Conference
- 71) Public Health Leadership Training, Webinar to Texas Department of State Health Services Regional Departments and other Texas Sites, August 23, 2005
- 72) Public Health, Bioterrorism, Emergency Preparedness and the Aging, BTEPA grant, Tyler, TX, September 13, 2005
- 73) Bioterrorism, Emergency Preparedness and the Aging, BTEPA grant, Longview,

- TX September 14, 2005
- 74) Pediatric TB, TB Conference, Harlingen, TX, October 19, 2005
 - 75) Emerging Diseases and Workplace Preparedness, PCIH Conference, Denver, CO, October 25, 2005
 - 76) Recognizing and Responding to Bioterrorism, Texarkana, TX, November 10, 2005
 - 77) Bioterrorism and Other Public Health Emergencies, Current Advances in Pulmonary and Infectious Disease conference, Huntsville, TX November 14, 2005
 - 78) Local Response to Katrina, RAC, Tyler, TX November 18, 2005
 - 79) World AIDS Day Presentation, Tyler Texas, December 1, 2005
 - 80) Special Needs Population, National Webinar, Tyler, TX December 7, 2005 (over 1000 attendees)
 - 81) UTHCT Response to Katrina and Rita, Tyler, TX December 9, 2005
 - 82) Core Disaster Life Support, American Public Health Association Annual Meeting, Philadelphia, PA December 10, 2005
 - 83) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, Current Advances in Pulmonary and Infectious Disease, Texarkana, TX, November 10, 2005
 - 84) Disaster Paradigm chapter, Biological chapter, Basic Disaster Life Support, Quitman, TX December 13, 2005
 - 85) Lessons Learned from Katrina/Rita, Bi-State Conference, Texarkana, AR, January 9, 2006
 - 86) The Tyler Special Needs Shelter During the 2005 Hurricanes, Oregon Department of Health, Oregon State University, Jan 23, 2006
 - 87) Influenza, Gregg County Local Emergency Planning Committee, February 1, 2006
 - 88) Bioterrorism and Other Public Health Emergencies, Current Advances in Pulmonary and Infectious Disease conference, Temple, TX February 3, 2006
 - 89) Influenza, Medical Executive Committee, Good Shepherd Medical Center, February 6, 2006
 - 90) Care of Special Needs Patients During Disasters, Bioterrorism Preparedness Conference, Honolulu, HI, February 16, 2006
 - 91) Laboratory Safety, Bioterrorism Preparedness Conference, Honolulu, HI, February 16, 2006
 - 92) Tyler Response to the 2005 Hurricanes, Bioterrorism Preparedness Conference, Honolulu, HI, February 16, 2006
 - 93) Biological Events, BDLS, Bioterrorism Preparedness Conference, Honolulu, HI, February 16, 2006
 - 94) The Tyler Medical and Public Health Response to Hurricanes of 2005, Senior Academic Advisory Committee on Public Health Preparedness to the Commissioner of the Texas Department of State Health Services, February 24, 2006
 - 95) Bioterrorism and Other Public Health Emergencies, CPIDC conference, Amarillo, TX March 3, 2006
 - 96) Infection Control Update, CPIDC Conference, Amarillo, TX March 3, 2006

- 97) The Medical and Public Health Challenges, Potential Consequences, and Management of Influenza, The Autonomous University of Ciudad Juarez Medical Association Congress 2006
- 98) Avian Influenza Table-top Exercise, Tyler Texas, March 24, 2006
- 99) The Texas Pandemic Influenza Summit-Subject Matter Expert, Texas Department of State Health Services, Austin, March 27, 2006
- 100) Pandemic Influenza, East Texas Medical Center, April 4, 2006
- 101) The Tyler Medical Response to Hurricanes Katrina and Rita, Henderson, Texas, 2005
- 102) Developing a NDLS Pandemic Influenza Module, Getting Ready for Avian Flu: A Planning Tool for ALL Hazards, College Station, TX, April 6, 2006
- 103) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, San Angelo, Texas, April 7, 2006
- 104) Bioterrorism, Texarkana, April 11, 2006
- 105) Pandemic Influenza, Jacksonville Rotary Club, April 12, 2006
- 106) Responding to the Medical and Public Health Challenges Following the 2005 Hurricanes in East Texas, Barnes Jewish Hospital, St. Louis, Missouri, May 8, 2006
- 107) Avian Influenza, Texas Environmental Health Association, Longview, TX. May 15, 2006
- 108) Influenza, Texas Department of State Health Services Regional Directors Meeting, Austin, TX, May 19, 2006
- 109) Avian Influenza, Texarkana, TX, May 25, 2006
- 110) The East Texas Medical and Public Health Response to the Hurricanes of 2005, Medical Reserve Core Startup, Tyler, Texas, May 31, 2006
- 111) Pandemic Influenza, Rotary Club, Lufkin Texas, June 2, 2006
- 112) The East Texas Medical and Public Health Response to the Hurricanes of 2005, Leadership Summit sponsored by the AMA and APHA, New Orleans, June 7, 2006
- 113) Advanced Disaster Life Support, Tyler Texas, June 15-16, 2006
- 114) Quantiferon Testing, National Webinar, Served as Webinar moderator with over 300 in the audience nationwide, June 26, 2006
- 115) Pandemic Influenza Table Top Exercise, Jasper-Newton County, July 6, 2006
- 116) Basic Disaster Life Support, Texarkana, TX, July 10, 2006
- 117) East Texas Response to the Hurricanes of 2005, Texas Public Health Institute, University of Texas School of Public Health, July 11, 2006
- 118) Basic Disaster Life Support, Houston, Texas, July 12, 2006
- 119) Caring for Special Needs Patients During a Disaster, Texas Public Health Institute, University of Texas School of Public Health, July 12, 2006
- 120) Advanced Disaster Life Support, Tyler, Texas, July 19-20, 2006
- 121) Pandemic Influenza: Preparing for the Unthinkable, UTHCT, July 21, 2006
- 122) The Tyler Special Needs Shelter, Invited Presentation, National Association of City and County Health Officials, San Antonio, Texas, July 28, 2006
- 123) Basic Disaster Life Support, Tyler, TX, August 8, 2008
- 124) Advanced Disaster Life Support, August 24, 2006
- 125) The East Texas Response to the Medical And Public Health Needs During the

- 2005 Hurricanes, Wisconsin's Public Health Preparedness Conference, Plenary speaker, September 11, 2006
- 126) Emergency and Disaster Preparedness for Children, 2006 Biennial Symposium on Children's Health, Austin Texas, September 16, 2006
 - 127) Basic Disaster Life Support, Lufkin, TX, September 21, 2006
 - 128) Pandemic Influenza Tabletop Exercise, Hawaiian State Government Officials Critical Infrastructure, Hawaiian Department of Health, September 26-27, 2006

Peer Reviewed Articles:

- 1) Haas D, Raffanti S, Chytil F, Lakey D, Alls S, Impaired Hepatic Protein Synthesis in AIDS Patients with low Vitamin A Levels, *J Infect Dis* 1995; 172:1167-1168.
- 2) Lakey DL, Treanor J, Betts R, Smith G, Thompson J, Sannella E, Reed G, Wilkinson B, Wright P. Recombinant Baculovirus Influenza A Vaccines are Well Tolerated and Immunogenic in Healthy Adults, *J Infect Dis* 1996; 174:838-40.
- 3) Spearman P, Lakey D, Jotte S, Chernowitz A, Claycomb S, Stratton C. Sternoclavicular Joint Septic Arthritis with Small-Colony Variant Staphylococcus Aureus. *Diagnostic Microbiology and Infectious Disease* 1996;26:13-15.
- 4) Voladri R, Lakey DL, Hennigan SH, Menzies BE, Edwards KM, Kernodle DS. Recombinant Expression and Characterization of the major B-Lactamase of *Mycobacterium tuberculosis*. *Antimicrobial Agents and Chemotherapy*, 1998 42(6):1375-81.
- 5) Lakey DL, Voladri RKR, Edwards KM, Hagar C, Samten B, Wallis RS, Barnes PF, Kernodle DS. Enhanced production of recombinant *Mycobacterium tuberculosis* antigen 85 in *Escherichia coli* by replacement of low-usage codons. *Infect. Immun* 2000; 68:233-238
- 6) Edwards KM, Cynamon MH, Voladri RK, Hager CC, Destefano MS, Tham KT, Lakey DL, Bochan MR, Kernodle DS. Iron-cofactored superoxide dismutase inhibits host responses to *Mycobacterium tuberculosis*. *Am J Respir Crit Care Med*. 2001 Dec 15;164(12):2213-9.
- 7) Russo DM, Kozlova N, Lakey DL, Kernodle D, Naïve human T-cells develop into effectors after stimulation with *Mycobacterium tuberculosis*-infected macrophages or recombinant Ag85 proteins. *Infection & Immunity*. 68(12);6826-6832, 2000
- 8) Luther JM, Lakey DL, Larson RS, Kallianpur AR, D'Agata E, Cousar JB, Haas DW. Utility of bone marrow biopsy for rapid diagnosis of febrile illnesses in patients with human immunodeficiency virus infection. *Southern Medical Journal*. 93(7):692-7, 2000 Jul.
- 9) Vankayalapati R, Wizel B, Lakey DL, Zhang Y, Coffee KA, Griffith DE, Barnes, PF, T cells enhance production of IL-18 by monocytes in response to an intracellular pathogen, *Journal of Immunology*. 166 (11):6749-53, 2001 Jun 1
- 10) Vankayalapati K, Wizel B, Weis SE, Safi H, Lakey DL, Mandelboim O, Samten B, Porgador A Barnes PF. The NKp46 receptor contributes to NK cell lysis of mononuclear phagocytes infected with an intracellular bacterium *J Immunol*, 168(7):3451-7 2002 Apr 1

- 11) Samten B, Ghosh P, Yi A-K, Weis SE, Lakey DL, Gonsky R, Wizel B, Zhang Y, Pendurthi U, Zhang M, Gong J, Fernandez M, Safi H, Vankayalapati K, Young HA, Barnes PF. Reduced expression of nuclear cAMP response element-binding proteins and interferon- γ promoter function in disease due to an intracellular pathogen. *J Immunol* 168 (7):3520-6, 2002 Apr 1
- 12) Barnes, PF, Lakey, DL, Burman, WJ. Tuberculosis in patients with HIV infection (review) *Infectious Disease Clinics of North America*, 16(1) : 107-26, 2002, Mar
- 13) Lakey DL, Zhang Y, Talaat AM, Samten B, DesJardin LE, Eisenach KD, Johnston SA and Barnes PF. Priming reverse transcription with oligo(dT) does not yield representative samples of Mycobacterium tuberculosis cDNA *Microbiology* 148, 2567-2572, 2002
- 14) Sharns, H, Wizel, B^{a,b}, Lakey, DL^{a,b,c}, Samten^{a,B}, Vankayalapati^aValdivia^{d,R}, Kitchens^{e,R}, Griffith^{a,c,D}, Barnes, P^{a,b,c}. The CD14 receptor does not mediate entry of Mycobacterium tuberculosis into human mononuclear phagocytes. *FEMS Immunology and Medical Microbiology* 36 (2003) 63-69.
- 15) Gehring A, Rojas, RE, Canaday, DH, Lakey DL, Harding, CV, Boom WH, The Mycobacterium tuberculosis 19-kilodalton lipoprotein inhibits gamma interferon-regulated HLA-DR and Fc R1 on human macrophages through toll-like receptor 2, *Infection and Immunity*, Aug 2003
- 16) Safi H, Barnes PF, Lakey DL, Shams H, Samten B, Vakayalapati R, Howard ST. IS6110 functions as a mobile, monocyte activated promoter in Mycobacterium tuberculosis, *Molecular Microbiology* (2004)
- 17) Safi H. Gormus BJ. Didier PJ. Blanchard JL. Lakey DL. Martin LN. Murphey-Corb M. Vankayalapati R. Barnes PF. Spectrum of manifestations of Mycobacterium tuberculosis infection in primates infected with SIV. *AIDS Research & Human Retroviruses*. 19(7):585-95, 2003 Jul.
- 18) Wu S. Howard St., Lakey DL, Kipnis A, Samten B, Safi H, Gruppop V, Wizel B, Shams, H, Basaraba RJ, Orme IM, Barnes PF. The Principal sigma factor sigA mediates enhanced growth of Mycobacterium tuberculosis in vivo. *Molecular Microbiology*, 51 (6) : 1551-62, 2004 March
- 19) Lakey, DL. Preparing for Bioterrorism and Other Public Health Emergencies in East Texas *East Texas Medicine*, vol. 3, Issue 2, 30-36, 2005
- 20) MacClements, J, Fernandez, L, Lakey, DL. Smith County's Medical Response to Katrina and Rita, *Texas Medicine*, vol. 3, Issue 4, 7-8, 2005

Book Chapters:

- 1) Lakey D.L., Wright P.W., Wallace R. J. , Jr., Nontuberculous Mycobacteria, in *Tuberculosis, A Comprehensive Update* (Ed. by Lloyd N. Freidman), CRC Press
- 2) Barnes PF, Lakey DL, Burman WJ. Tuberculosis in patients with human immunodeficiency virus infection. *Infect Dis Clin North Am*.
- 3) Walker J., Wetterhall S, Lakey DL, Biological Agents, Basic Disaster Life Support, American Medical Association, 2004
- 4) Lakey, D.L., Public Health, Core Disaster Life Support, AMA, 2005

Educational Courses Developed:

- 1) Recognizing and Responding to Bioterrorism and Other Public Health Emergencies, 2004
 - a. This course was developed for the foundational training for the Texas Bioterrorism Continuing Education Project
 - b. This course is now endorsed by the Texas Department of Health (TDH) to meet the Texas State nursing requirement
 - c. TDH has funded the development of this course into distant learning formats, including a computer based program, and a professional video using Dr. Lakey as the speaker
- 2) Core Disaster Life Support, edited by Tom Blackwell, Phillip Coule, Raymond Fowler, Jon Krohmer, David Lakey, Ronna Miller, Raymond Sweinton; AMA, 2004
- 3) Electronic Core Disaster Life Support, ongoing project to be completed 2006, funded by a grant to the AMA by the Department of Homeland Security

Abstracts:

- 1) Adam LP, Heaberle JR, Lakey D, Trockman BA, Hathaway DR., Protein phosphorylation in chemically-skinned and intact vascular smooth muscle: Identification of myosin heavy chain as a phosphoprotein. *Biophys J* 53:463, 1988
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