Stony Brook University

CURRICULUM VITAE

SAMUEL LEONARD STANLEY JR., M.D.

PERSONAL INFORMATION

Place of Birth: Seattle, Washington
Spouse: Ellen Li, M.D., Ph.D.

CITIZENSHIP

U.S.A.

ADDRESS

Office of the President
Stony Brook University
310 Administration Building
Stony Brook, NY 11794
(631) 632-6265 • (631) 632-6621

PRESENT POSITION

President, Stony Brook University

EDUCATION

1976	B.A., Biological Sciences, The College of the University of Chicago, IL
1980	M.D., Medicine, Harvard University Medical School, Cambridge, MA
1984-1987	Post-doctoral, Immunology, Washington University School of Medicine, St. Louis, MO

ACADEMIC POSITIONS/EMPLOYMENT

1976	Teaching Assistant in Biology, The College of the University of Chicago, IL
1980-1981	Medical Intern, Massachusetts General Hospital, Boston, MA
1981-1983	Medical Resident, Massachusetts General Hospital, Boston, MA
1983-1984	Fellow in Infectious Diseases, Washington University School of Medicine, St. Louis, MO
1985-1988	Pfizer Fellow in Microbiology and Immunology, Washington University School of Medicine, St. Louis, MO
1987-1988	Instructor in Medicine, Washington University School of Medicine, St. Louis, MO
1988	Assistant Professor, Division of Infectious Diseases, Washington University School of Medicine, St. Louis, MO
1989	Assistant Professor, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, MO
1990-2009	Chief Medical Consultant, BarnesCare Travelers Clinic
1993-1999	Associate Professor (with tenure), Department of Medicine, Washington University School of Medicine, St. Louis, MO
1994-2004	Associate Professor, Department of Molecular Microbiology
1999-2009	Professor, Department of Medicine, Washington University School of Medicine, St. Louis, MO
2003-2009	Director, Midwest Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research
2004-2009	Professor, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, MO
2006-2009	Vice Chancellor for Research, Washington University in Saint Louis, MO
2009-	Professor of Medicine, Stony Brook University School of Medicine, Stony Brook, NY
2009-	President, Stony Brook University, Stony Brook, NY

UNIVERSITY AND HOSPITAL APPOINTMENTS AND COMMITTEES

1987-2006	Attending physician, Internal Medicine and Infectious Diseases, Barnes-Jewish Hospital of St. Louis
	Chief Medical Consultant, BarnesCare Travelers Clinic
1989	Chairman, Committee to Formulate a Health Policy for Washington University Personnel Who Work with Animals

1992-2000	Member, Washington University MA/MD Committee
1992-2001	Program Committee, American Society of Tropical Medicine and Hygiene
1995-1997	At-large Representative, Washington University Faculty Senate
	Member, Senate Council of Washington University
	Member, Advisory Committee on Academic Freedom and Tenure
1997-1999	Faculty Representative, Washington University Benefits Committee
1999-2004	Selection Committee and Advisory Board Medical Student International Fellowships
2000-2002	Clinical Representative to the Executive Faculty, Washington University School of Medicine
2000-2004	Chairman, Institutional Biological and Chemical Safety Committee
2001-2002	Division of Biology and Biomedical Sciences Graduate Admissions Committee
2006-2008	Chairman, Research Strategic Planning for Washington University School of Medicine
2007-2009	Chairman, Skandalaris Center Research Planning Committee
2009-	Governing Body, Stony Brook University Hospital, Stony Brook, NY

MEDICAL LICENSURE AND BOARD CERTIFICATION

Massachusetts License 1980-1983
Missouri License 1983-present
American Board of Internal Medicine, Certification in Internal Medicine 1983
American Board of Internal Medicine, Certification in Infectious Diseases 1986

MILITARY SERVICE

None

HONORS AND AWARDS

1976	Honors in Biological Sciences, University of Chicago
1976	Phi Beta Kappa, University of Chicago
1979	Albert Schweitzer Fellow of Harvard Medical School
1985-1988	Pfizer Postdoctoral Fellow
1994-1999	Research Career Development Award, NIH
1999-2004	Burroughs-Wellcome Scholar in Molecular Parasitology
2000	Distinguished Service Teaching Award—Washington University School of Medicine
2002-2004	Permanent member, Tropical Medicine and Parasitology Study Section
2004-2006	Permanent member, Eukaryotic Pathogenesis Study Section
2005-2006	Excellence in Mentoring, Washington University School of Medicine
2006	Distinguished Service Award, Washington University Medical Center Alumni Association
2007-2008	Ambassador, Paul G. Rogers Society for Global Health Research
2009	Honorary Doctorate Degree, Konkuk University, Seoul, Korea
2009	Honoree, VIBS (Victims Information Bureau of Suffolk)
2010	Long Island Association Small Business Education Advocate Award
2010	Thomas Hartman Humanitarian Award
2010	The Influentials: *Long Island Business News* Top 20 Agents of Change
2012	Three Village Man of the Year
2012, 2013, 2015, 2016	*Long Island Press*, Best College President
2013	David Award Honoree
2014	EOP (Educational Opportunity Program) Champion
2014	American Heart Association Distinguished Leadership Honoree

COMMUNITY AND REGIONAL RESPONSIBILITIES

2006-2009	Board of Directors, Center for Emerging Technologies
2006-2009	Board Member, Research Alliance of Missouri
2006-2009	Board of Trustees, Saint Louis Academy of Science
2007-2009	Board Member, St. Louis Center of Excellence, Missouri Life Sciences Trust Fund
2009-	Board of Trustees, Cold Spring Harbor Laboratory
2009-	Board of Directors, The Research Foundation of SUNY
2009-	Board of Directors, Goodwill Industries of Greater NY and Northern NJ
2009-	Board of Directors, Long Island Association
2010-	Education Working Group member for United States Senator Kirsten Gillibrand
2011	Health and Education Transition Committee member for New York Governor Andrew Cuomo
2011-	Long Island Regional Economic Development Council
2012-	Board of Directors, Accelerate Long Island
2013-	Board Member, New York Genome Center
2016-	UNWomen HeForShe Champion, one of ten university leaders worldwide (and one of the two in the United States) apppointed by UNWomen as Global Champions

NATIONAL BOARDS AND PANELS

National Science Advisory Board for Biosecurity (NSABB), Criteria Roundtable Adviser, June 2006
NIH Blue Ribbon Panel on the New England Infectious Diseases Research Laboratory, 2008-2012
NIH National Advisory Allergy & Infectious Diseases Council, 2008-2012
U.S. Department of Commerce, Emerging Technology and Research Advisory Committee, 2008-2010
America East Conference Board of Presidents, 2009-
Co-Chair, Board of Directors, Brookhaven Science Associates, 2009-
National Security Higher Education Advisory Board, 2011-
Chair, America East Conference Board of Presidents, 2012-2015
Chair, NIH National Science Advisory Board for Biosecurity, 2012-
Association of Public and Land-Grant Universities, Board of Directors, 2012-
Chair, Universities Research Association Council of Presidents, 2014
National Collegiate Athletic Association (NCAA) Division I Board of Directors, 2014-
National Collegiate Athletic Association NCAA Division I Board of Governors, 2016-

PROFESSIONAL SOCIETIES AND ORGANIZATIONS

Associate Member American College of Physicians, 1981
Member, Infectious Disease Society of America, 1989
Member, American Society of Tropical Medicine and Hygiene, 1988
Member, American Federation for Clinical Research, 1989
Member, American Society for Microbiology, 1992
Fellow, Infectious Disease Society of America, 1995
Member, American Society for Clinical Investigation, 1995
Secretary-Treasurer, Board of Directors, Infectious Diseases Society of St. Louis, 2004-2007

EDITORIAL AND REVIEW RESPONSIBILITIES

Editorial Board:
Infection and Immunity 1998-2003

Ad hoc reviewer for:

New England Journal of Medicine
Clinical Infectious Diseases
Vaccine
Parasite Immunology

Journal of Infectious Diseases
Molecular Microbiology
Gastroenterology
Physiological Reviews
Cellular Microbiology
PNAS
Acta Tropica
Experimental Parasitology
Lancet
Journal of Parasitology
Am.J.Tropical Medicine and Hygiene
Laboratory Animal Science
Molecular and Biochemical Parasitology
Nature

Ad hoc grant reviewer for:
Wellcome Trust
International Center for Diarrhoeal Disease Research
USAID
American Federation for AIDS Research
NIH—SEPs on TDRU program
Temporary member: NIH-TMP study section 10-2000, 6-2002
EpScor NSF Site Visit Team 2005

Educational Accreditation:
Chair, University of California, Santa Cruz accreditation team for Western Association of Schools & Colleges (WASC), 2015

OPINION EDITORIALS AND ESSAYS

Newsday: Stanley: Protect Research Institutions from Sequestration—and Beyond, October 2012
Newsday: How Will the Sequester Affect You? Long Island Institutions Respond, February 2013
Huffington Post: College Cost and Student Loan Debt, June 2013
Huffington Post: Federal Investment in Research Still Essential, April 2014
Huffington Post: 70 Years After the GI Bill, We Need a Similar Investment, June 2014
Newsday: A Sure Way to Attack Deadly Ebola, September 2014
Huffington Post: Protect and Maintain America's Scientific Preeminence, December 2014
Huffington Post: Investing in America's Dazzling Scientific Talent, December 2014
Huffington Post: How Best to Hold Federal Scientific Research Accountable, January 2015
Huffington Post: The Changing Politics and Consistent Science of Vaccinations, March 2015
Huffington Post: The Changing Politics and Consistent Science of Vaccinations, March 2015
Scientific American: Give Young Scientists the Keys to the Lab, October 2015
Huffington Post: HeForShe Comes to Campus, April 2016
Huffington Post: Federal Funding Drives U.S. Innovation, June 2016

MAJOR INVITED LECTURES

Visiting scientist and lecturer—Centro de Investigacion y de Estudios Avanzados del IPN, Mexico City, Mexico, March 1991

"Molecular approach to *Entamoeba histolytica* pathogenesis." St. Louis University, April 1991

Chair—Amebiasis Session, American Society Tropical Medicine Hygiene—"Isolation of an *Entamoeba histolytica* cDNA clone encoding a protein with a zinc finger domain." Boston, November 1991

Keynote Speaker—"Role of the amebic cysteine proteinase in amebic liver abscess formation." Meeting of the Society of Biological Chemistry, Zacetecas, Mexico, November 1994

Co-chair and Speaker—Merck Symposium on Amebiasis: "New models for amebiasis." ASTMH Meeting, Cincinatti, November 1994

Speaker—"Scid mouse model of amebiasis" and "Scid mice and gene knockout mice as models for parasitic disease." India/U.S.A. Joint Vaccine Action Program, Lucknow, India, December 1994

Speaker—"What can murine models tell us about the immunobiology of amebiasis?" Berne Immunology Center, University of Virginia, Charlottesville, December 1994

Speaker—"Progress in a vaccine for amebiasis." European Conference on Tropical Medicine, Hamburg, Germany, November 1995

Chair and Speaker—Symposium: "New insights into the immunobiology of parasitic diseases from knockout and scid mice." ASTMH Meeting, December 1996

Speaker—Bernardo Sepulveda Molecular Biology Seminar, XIII Congress on Amebiasis, Mexico City, Mexico, January 1997

Speaker—Keystone Symposium on Cellular and Molecular Cross Talk at Mucosal Surfaces, Santa Fe, New Mexico, March 1997

Speaker—"EhADH2 enzyme: A novel target for anti-amebic drugs." ICTDR Conference, Washington, D.C., April 1997

Speaker—"Oral and DNA vaccines to prevent amebiasis." ICTDR Conference, Washington, D.C., April 1998

Speaker—"How intestinal epithelial cells regulate the inflammatory response to enteric pathogens." University of Texas Health Sciences Center, San Antonio, Texas, June 1998

Visiting professor and speaker—"Amebiasis: Putting man into mouse to understand an ancient enemy." New York University Medical Center Grand Rounds, January 1999

Speaker—"Pathways for amebic induction of inflammation and programmed cell death." Burroughs Wellcome Symposium, ASTMH Meeting, Washington, D.C., November 1999

Speaker—"Pathways for amoebic induction of inflammation and tissue damage." International Symposium on Amoebiasis, Hamburg, Germany, July 2000

Speaker—National Institutes of Health/National Institute for Allergic and Infectious Diseases, "Amebic dysentery and ICE." April 2001

Speaker—St. Louis University, "Amebic dysentery and ICE." September 2001

Speaker—University of Texas at El Paso, "Amebic dysentery and ICE." October 2001

Speaker—Southern Illinois University at Carbondale, "Amebic dysentery and ICE." October 2001

Speaker—Washington University School of Medicine, Department of Pediatrics Grand Rounds, "Amebiasis: new insights into an ancient enemy." October 2001

Chairman and speaker—Session on Amebiasis: Ellison Foundation Conference on Tropical Diseases, Bhubaneswar, India, February 2002

Speaker—Woods Hole Tropical Medicine and Parasitology Course: "Amebiasis." July 2002, July 2003

Speaker—Plenary Session, X International Conference on Parasitology, Vancouver, B.C. "Pathways for amebic induction of inflammation and programmed cell death." August 2002

Speaker—Special Symposium in Honor of Jean Hickman: "New insights into amebiasis from SCID-HU-INT mice." ASTMH Meeting, Denver, November 2002

Speaker—"Role of TNF in amebic induced inflammation." EMBO Conference on Amebiasis, Paris, France, March 2003

Speaker—Engineering Connections Series: "SARS and other emerging infectious diseases—the dangers of a small world." Washington University, September 2003

Speaker—Yonsei University, Challenges in the Post Genomic Era: "Simultaneous host/pathogen genomics." November 2003

Speaker—Korean Society of Parasitology: "Pathways for amebic induction of inflammation and programmed cell death." November 2003

Speaker—Institute Pasteur: "New insights into dysentery from SCID-HU-INT mice." November 2003

Speaker—University of Illinois, Emerging Infectious Diseases Conference: "Pathogenesis of amebiasis." March 2004

Speaker—University of Pennsylvania, Parasitology Group: "Understanding amebiasis from the host and pathogen perspective." November 2004

Speaker—Washington University School of Medicine, Medical Grand Rounds: "Emerging Infectious Diseases—Preparing for the Unexpected and the Inevitable." November 2004

Speaker—7th Annual Conference on Hemophilia, San Juan, Puerto Rico, "Emerging Infections: Preparing for the unexpected and the inevitable." February 2005

Speaker—NIAID/NIDDK Workshop on Humanized Mouse Models of Disease. Washington, D.C.

Speaker—ASM Biodefense Meeting, Washington, D.C.: "Chimeric SCID-Human Mice to Study Enteric Pathogens." February 2006

Speaker—MMI/ID Seminar Series: "Molecular Dissection of *Entamoeba Histolytica* Pathogenesis." March 2006

Speaker—Washington University Reunion Medical Update: "Avian Influenza & Emerging Infectious Diseases." May 2006

Speaker—Washington University Reunion College: "The Threat of Emerging Infectious Diseases, Avian Influenza and Beyond." May 2006

Speaker—Pathobiology of human diseases series: Biodefense and the immunogenetics of smallpox vaccination. Washington University, May 2007

Speaker—IGCC-Public Policy and Biological Threats: Training the Next Generation; "*Basics of Viral Pathogenesis and Disease."* La Jolla, California, July 2007

Speaker—13th Annual Kentucky EPSCoR Statewide Conference. "Perspectives and lessons-learned in building academic team science." Lexington, Kentucky, October 2007

Speaker—5th Annual MRCE Meeting, Washington University. "Immunogenetics of Smallpox Vaccination." St. Louis, MO, October 2007

Speaker—IGCC-Public Policy and Biological Threats: Training the Next Generation; "*Basics of Viral Pathogenesis and Disease."* La Jolla, California, July 2008

Speaker—Institute for Public Health, *International Public Health Activities at Washington University in St. Louis,* Washington University, September 2008

Speaker—Tradeline, Inc., Academic Medical & Health Science Centers 2008; *"Key program and facility initiatives to grow disease-focused research and funding."* San Francisco, California, October 2008

Speaker—"Global Health is America's Health–National Security." University of Missouri-Columbia, February 2009

Speaker—"Fueling Local Economies: Research, Innovation and Jobs," U.S. Congress Joint Economic Committee Hearing, Washington, D.C., June 2010

Speaker—"Challenges for Public Education in the United States and China," Zuel University, Wuhan, China, April 2011

Speaker—APLU Panel: "Continuing Research Amidst Fiscal Restraint," November 2012

Speaker—Gain-of-Function Research on Highly Pathogenic Avian Influenza H5N1 Viruses: An International Consultative Workshop, Washington, D.C., December 2012

Speaker—Dual Use Research of Concern, CICG, Geneva, Switzerland, February 2013

Speaker—AAAS-AAU-APLU-FBI Meeting, "Setting the Stage: Biological Research in Today's Global Research Environment," Washington, D.C., February 2013

Speaker—National Institutional Biosafety Committees Conference, Seattle, Washington, June 2013

Speaker—APLU Annual Meeting, "Working with State Governments: Understanding Higher Education Budgets to Maximize Investments," November 2014

Speaker—Adelphi University, "Ebola and Beyond: Are We Ready?" November 2014

Presentation—National Science Advisory Board for Biosecurity (NSABB); National Research Council and Institute of Medicine of the National Academies, December 2014

Speaker—AAU Panel, "Sustaining the Biomedical Research Enterprise: Mapping a Course for the Future" April 2015

PAST RESEARCH SUPPORT

Principal Investigator, U54 AI057160-01, "Midwest Regional Center for Excellence in Biodefense and Emerging Infectious Diseases Research," 09/01/03 to 03/01/14, Direct costs: $5,123,000/year

Principal Investigator, NIAID R01 AI-30084, "Molecular Dissection of *Entamoeba histolytica* pathogenesis," 7/01/95 to 1/31/2011, Direct costs: $250,000

Co-Investigator, 1UL1RR024992-01 (Kenneth Polonsky, M.D., Principle Investigator) Washington University Institute of Clinical and Translational Sciences (CTSA), Co-Director, Tracking and Evaluation Program, 9/17/07 to 5/31/12, Annual funds: $6,818,890

Principal Investigator, Pathways of inflammation and tissue damage in amebiasis, Burroughs Wellcome Scholar in Molecular Parasitology, 7/1/99 to 6/30/06, Total direct costs: $425,000

Principal Investigator, NIAID R01 AI-51621-01 "Structure-Function of *Entamoeba* alcohol dehydrogenase 2," 5/01/02 to 3/31/06, Direct costs: $200,000/year

Principal Investigator, 1C06RR029841-01, "An Animal Biosafety Level 3 Laboratory for Stony Brook University," 3/25/10 to 6/30/15, NIH National Center for Research, $14,179,569

CURRENT RESEARCH SUPPORT

Principal Investigator, NSF, Leveraging SUNY LSAMP to Build Better STEM Pathways and Prepare Global STEM Scholars, 7/2011 to 7/2016, Total Award Amount: $2,521,815

CLINICAL TITLE AND RESPONSIBILITIES

Attending physician, Red Medical Service, Barnes Hospital, 1989 to 2007

Attending physician, Infectious Diseases Service, Barnes-Jewish Hospital, 1987 to 2007

Chief Medical Consultant, BarnesCare Travelers Clinic, 1990 to 2009

TEACHING TITLE AND RESPONSIBILITIES

Lecturer, Washington University School of Medicine, 1st-Year Course in Microbiology "Introduction to Tropical Medicine"

Lecturer, Washington University School of Medicine, 2nd-Year Course in Pathophysiology of Infectious Diseases "Bacteremia and Sepsis," "Protozoa I, Protozoa III," and "Cases in Tropical Medicine"

Lecturer, Infectious Diseases and the Diagnostic Laboratory Course, "Intestinal Protozoa"

Lecturer, Clinical Infectious Diseases Course, "Diarrheal Diseases," "Diseases of Travelers," and "Bacteremia and Sepsis," "Tropical Diseases"

Lecturer, Lucille P. Markey Special Emphasis Pathway in Human Pathobiology, "Vaccines for Malaria"

Lecturer, Microbial Pathogenesis Course, "MDR genes and pathogenesis"

Lecturer, Molecular Mechanisms of Disease Course, "Vaccines against parasitic diseases"

Instructor, Case Problems in Cell Biology and Biochemistry

Instructor, Tropical Medicine Course

Faculty advisor, International Health and Tropical Medicine Forum

Lecturer, Barnes Housestaff Conference, "Diseases of Travelers"

Lecturer, Microbiology 1st-year Graduate Student Course: "Protozoan taxonomy and diversity"

Lecturer, Honors Class, Global Challenge of Infectious Diseases, Fall 2012, Stony Brook University

Lecturer, Honors Class, The 21st Century University, Fall 2013, Stony Brook University

Lecturer, Honors Class, Continuing Challenge of Infectious Diseases, Spring 2015, Stony Brook University

Lecturer, Honors Class, Continuing Global Challenges of Infectious Diseases, Spring 2016, Stony Brook University

PUBLICATIONS

PEER-REVIEWED

1. Wong, YC; **Stanley Jr, SL;** Garber, BB. Separation and characterization of neuronal and glial cell populations from embryonic chick cerebra in culture. *Anatomischer Anzeiger,* 1981; 150(4):351-373.
2. **Stanley Jr, SL;** Kehl, O. Ascending paralysis associated with diethylcarbamazine treatment of a *M. loa loa* infection. *Tropical Doctor,* 1982, January; 12(1):16-19.
3. **Stanley Jr, SL;** Lusk, R. Thoracic actinomycosis presenting as a brachial plexus syndrome. *Thorax,* 1985, January; 40(1):74-75.
4. Powderly, WG; **Stanley Jr, SL;** Medoff, G. Pneumococcal endocarditis: Report of a series and review of the literature. *Review of Infectious Diseases,* 1986; 8:786-789.
5. **Stanley Jr, SL;** Bischoff, JK; Davie, JM. Antigen induced rheumatoid factors: Protein and carbohydrate antigens induce different rheumatoid factor responses. *Journal of Immunology,* 1987; 139:2936-2942.
6. **Stanley Jr, SL;** Li, E; Davie, JM. Antigen induced rheumatoid factors: Characterization of monoclonal rheumatoid factors produced after protein and carbohydrate immunization. *Molecular Immunology,* 1988, March; 25(3):285-294.
7. Li, E; Becker, A; **Stanley Jr, SL.** Use of Chinese hamster ovary cells with altered glycosylation patterns to define the carbohydrate specificity of *Entamoeba histolytica* adhesion. *Journal of Experimental Medicine,* 1988, May; 167(5):1725-1730.
8. Li, E; Becker, A; **Stanley Jr, SL.** Chinese hamster ovary cells deficient in N-acetylglycosaminyltransferase I activity are resistant to *Entamoeba histolytica*-mediated cytotoxicity. *Infection & Immunity,* 1989; 57:8-12.

9. **Stanley Jr, SL;** Becker, A; Kunz-Jenkins, C; Foster, L; Li, E. Cloning and expression of a membrane antigen of *Entamoeba histolytica* possessing multiple tandem repeats. *Proceedings of the National Academy of Sciences of the USA,*1990, July 1; 87(13):4976-4980.
10. Burch, DJ; Li, E; Reed, S; Jackson, TFHG; **Stanley Jr, SL.** Isolation of a strain-specific *Entamoeba histolytica* cDNA clone. *Journal of Clinical Microbiology,* 1991; 29:696-701.
11. **Stanley Jr, SL;** Jackson, TFHG; Reed, SL; Calderon, J; Kunz-Jenkins, C; Gathiram, V; Li, E. Serodiagnosis of invasive amebiasis using a recombinant *Entamoeba histolytica* protein. *JAMA,* 1991, October; 266(14):1984-1986.
12. **Stanley Jr, SL;** Foster, L; Phillips, N. Molecular analysis of carbohydrate antigen induced monoclonal IgM anti-IgG antibodies (rheumatoid factors). *Molecular Immunology,* 1992, April; 29(4):453-61.
13. **Stanley Jr, SL;** Huizenga, H; Li, E. Isolation and partial characterization of a surface glycoconjugate of *Entamoeba histolytica*. *Molecular & Biochemical Parasitology*, 1992; 50:127-138.
14. **Stanley Jr, SL;** Li, E. Isolation of an *Entamoeba histolytica* cDNA clone encoding a protein with a putative zinc finger domain. *Molecular & Biochemical Parasitology*, 1992; 50:185-188.
15. Li, E; Kunz-Jenkins, C; **Stanley Jr, SL.** Isolation and characterization of genomic clones encoding a serine-rich *Entamoeba histolytica* protein. *Molecular & Biochemical Parasitology,* 1992; 50:355-358.
16. Cieslak, PR; **Stanley Jr, SL.** Advances in amebiasis: implications for the clinician. *Infectious Diseases in Clinical Practice,* 1992; 1(3):151-157.
17. Zhang, Y; Li, E; Jackson, TFHG; Zhang, T; Gathiram, V; **Stanley Jr, SL.** Use of a recombinant 170 kDa surface antigen of *Entamoeba histolytica* in serodiagnosis of amebiasis, and identification of immunodominant domains of the native molecule. *Journal of Clinical Microbiology,* 1992, November; 30(11):2788-2792.
18. Cieslak, PR; Virgin IV, HW; **Stanley Jr, SL.** A severe combined immunodeficient (SCID) mouse model for infection with *Entamoeba histolytica*. *Journal of Experimental Medicine*, 1992, December; 176(6):1605-1609.
19. Myung, K; Burch, DJ; Jackson, TFHG; **Stanley Jr, SL.** Serodiagnosis of invasive amebiasis using a recombinant *Entamoeba histolytica*-antigen based ELISA. *Archives of Medical Research,* 1992; 23(2):285-288.
20. Zhang, Y; Aley, S; **Stanley Jr, SL;** Gillin, FD. Cysteine-dependent zinc binding by membrane proteins of *Giardia lamblia. Infection & Immunity,* 1993; 61:520-524.
21. Cieslak, PR; Zhang, T; **Stanley Jr, SL.** Expression of a recombinant *Entamoeba histolytica* antigen in a *Salmonella typhimurium* vaccine strain. *Vaccine*, 1993; 11:773-776.
22. Zhang, Y; Li, E; **Stanley Jr, SL.** *Entamoeba histolytica*: The EHZc3 cDNA clone encodes a zinc-binding protein. *Experimental Parasitology,* 1993, Aug; 77(1):118-120.
23. Zhang, T; Cieslak, PR; Foster, L; Kunz-Jenkins, C; **Stanley Jr, SL.** Antibodies to the serine rich *Entamoeba histolytica* protein (SREHP) prevent amebic liver abscess in severe combined immunodeficient (SCID) mice. *Parasite Immunology,* 1994, May; 16(5):225-230.
24. Zhang, T; Cieslak, PR; **Stanley Jr, SL.** Protection of gerbils from amebic liver abscess by immunization with a recombinant *Entamoeba histolytica* antigen. *Infection & Immunity,* 1994, April; 62(4):1166-70.
25. Yang, W; Li, E; Kairong, T; **Stanley Jr, SL.** *Entamoeba histolytica* has an alcohol dehydrogenase homologous to the *adhE* gene product of *Escherichia coli*. *Molecular & Biochemical Parasitology,* 1994; 64:253-260.
26. Zhang, T; **Stanley Jr, SL.** Protection of gerbils from amebic liver abscess by immunization with a recombinant protein derived from the 170 kDa adhesin of *Entamoeba histolytica*. *Infection & Immunity,* 1994; 62(6):2605-2608.
27. Li, E; Stenson, WF; Kunz-Jenkins, C; Swanson, PE; Duncan, R; **Stanley Jr, SL.** *Entamoeba histolytica* interactions with polarized human intestinal Caco-2 epithelial cells. *Infection & Immunity,* 1994; 64(11):5112-5119.
28. **Stanley Jr, SL;** Tian, K; Koester, JP; Li, E. The serine rich *Entamoeba histolytica* protein (SREHP) is a phosphorylated membrane protein containing *O*-linked terminal N-acetylglucosamine (*O*-GlcNAc) residues. *Journal of Biological Chemistry,* 1995, February; 270(8):4121-4126.
29. **Stanley Jr, SL;** Blanchard, JL; Johnson, N; Foster, L; Kunz-Jenkins, C; Zhang, T; Tian, K; Cogswell, FB. Immunogenicity of the recombinant serine rich *Entamoeba histolytica* protein (SREHP) amebiasis vaccine in the African Green Monkey. *Vaccine,* 1995, July; 13(10):947-951.
30. Zhang, T; Li, E; **Stanley Jr, SL.** Oral immunization with the dodecapeptide repeat of the serine rich *Entamoeba histolytica* protein (SREHP) fused to the cholera toxin B subunit induces a mucosal and systemic anti-SREHP antibody response. *Infection & Immunity.* 1995, April; 63(4):1349-1355.
31. **Stanley Jr, SL;** Zhang, T; Rubin, D; Li, E. Role of the amebic cysteine proteinase in amebic liver abscess in severe combined immunodeficient (SCID) mice. *Infection & Immunity,* 1995, April; 63(4):1587-1590.

32. Velazquez, C; Valette, I; Cruz, M; Labra, M-L; Montes, J; **Stanley Jr, SL;** Calderon, J. Identification of immunogenic epitopes of the 170-kDa subunit adhesin of *Entamoeba histolytica* in patients with invasive amebiasis. *Journal of Eukaryotic Microbiology,* 1995, September; 42(5):636-641.

33. Li, E; Yang, W-G; Zhang, T; **Stanley Jr, SL.** Interaction of laminin with *Entamoeba histolytica* cysteine proteinases and its effect on amebic pathogenesis. *Infection & Immunity.* 1995, October; 63(10):4150-4153.

34. Flores, BM; **Stanley Jr, SL;** Yong, TS; Ali, M; Diedrich, DL; Torian, BE. Surface localization, regulation, and biologic properties of the 96-kDa alcohol/aldehyde dehydrogenase (EhADH2) of pathogenic *Entamoeba histolytica*. *Journal of Infectious Diseases,* 1996, January; 173(1):226-231.

35. Yong, TS; Li, E; Clark, D; **Stanley Jr, SL.** Complementation of a *Escherichia coli adhE* mutant by the *Entamoeba histolytica EhADH2* gene provides a method for the identification of new anti-amebic drugs. *Proceedings of the National Academy of Sciences of the USA,* 1996, June 25; 93(13):6464-6469.

36. Seydel, KB; Braun, K; Zhang, T; Jackson, TFHG; **Stanley Jr, SL.** Human anti-amebic antibodies provide protection against amebic liver abscess formation in the SCID mouse. *The American Journal of Tropical Medicine & Hygiene,* 1996; 55:330-332.

37. Zhang, T; **Stanley Jr, SL.** Oral immunization with an attenuated vaccine strain of *Salmonella typhimurium* expressing the serine rich *Entamoeba histolytica* protein induces an anti-amebic immune response and protects gerbils from amebic liver disease. *Infection & Immunity,* 1996, May; 64(5):1526-1531.

38. Seydel, KB; Li, E; **Stanley Jr, SL.** Human intestinal epithelial cells produce pro-inflammatory cytokines in response to infection in a SCID-HU-INT model of amebiasis. *Infection & Immunity,* 1997, May; 65(5):1631-1639.

39. Lotter, H; Zhang, T; Seydel, KB; **Stanley Jr, SL;** Tannich, E. Identification of an epitope on the *Entamoeba histolytica* 170 kDa-lectin conferring antibody mediated protection against invasive amebiasis. *Journal of Experimental Medicine,* 1997, May 19 185(10):1793-1801.

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PATENTS

U.S. Patent 5,130,147: *Entamoeba histolytica* Immunogenic protein and cDNA clone

Significance: Patent of the SREHP cDNA clone; recombinant SREHP is a major vaccine candidate for amebiasis, and a reagent utilized in prototype diagnostic tests.

Inventor: Samuel L. Stanley Jr. and Ellen Li

Assignee: Washington University, St. Louis

U.S. Patent 5,275,935: Amebic glycoconjugate and monoclonal antibody

Significance: Patent of the amebic glycoconjugate, a major surface antigen of amebae and a monoclonal antibody, CC 8.6 which recognizes this antigen. Possible uses in diagnostic kits.

Inventor: Samuel L. Stanley Jr. and Ellen Li

Assignee: Washington University, St. Louis

U.S. Patent 5,807,000: Method of screening anti-amebic compounds

Significance: Describes the use of mutant *E. coli* strains complemented with amebic antigens to screen compounds for anti-amebic activity.

Inventor: Samuel L. Stanley Jr.

Assignee: Washington University, St. Louis