

I. GENERAL BIOGRAPHICAL INFORMATION

A. Personal

Cynthia Lou Chappell

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B. Present and Past Position(s)

Professor (tenured, 2000), Division of Environmental and Occupational Health, The University of Texas School of Public Health, Houston, TX, 2003 - present

Professor (cross-appointment), Division of Infectious Diseases, Department of Medicine, The University of Texas Medical School Houston, TX, 2003-present

Professor, National School of Tropical Medicine, Baylor College of Medicine, Houston, TX, 2011-present

Senior Associate Dean for Academic Affairs, The University of Texas School of Public Health, Houston, TX, 2008- January, 2010

Associate Dean for Academic Affairs, The University of Texas School of Public Health Houston, TX, 2001-2008

C. Education

1. Undergraduate Education

Middle Tennessee State University, B.S., English, 1965-1971

2. Graduate Education

Middle Tennessee State University, M.S., Biology, 1973-1976

Baylor College of Medicine Ph.D., Microbiology and Immunology 1981-1985

3. Postgraduate Training

World Health Organization Fellowship Grant, Universitat Leiden, The Netherlands, September 1 – October 12, 1986

4. Postdoctoral Training

Research Associate, Department of Biochemistry, Baylor College of Medicine, 1986-1989.

D. Academic Appointments

1. Previous Faculty and Administrative Position(s)

Adjunct Associate Professor, Department of Microbiology and Immunology, Baylor College of Medicine, Houston, TX, 1993 - 2007

Professor (tenured), Biological Sciences Discipline, The University of Texas School of Public Health, Houston, TX, 2003-2004

Associate Professor (tenured), Biological Sciences Discipline, The University of Texas School of

Public Health, Houston, TX, 1993 - 2003

Guest Faculty, Department of Veterinary Microbiology, Texas A&M University School of Veterinary Medicine, College Station, TX, 1999-2001

Assistant Professor, Department of Family Medicine, Baylor College of Medicine, Houston, TX, 1989-1993

Assistant Professor, Department of Microbiology and Immunology, Baylor College of Medicine, Houston, TX, 1989

Research Assistant Professor, Department of Microbiology and Immunology, Baylor College of Medicine, Houston, TX, 1988-1989

E. Other Advanced Training/Experience

Participant, "Interpersonal Skills for Leadership Success", NTL Institute, July 27-August 1, 2008.

Participant, "Conflict Management Skills for Women", SkillPath Seminars, May 22, 2008

Participant, Leadership Workshop, "Media Coaching", Association of Schools of Public Health, November 5, 2005

Participant, Leadership Workshop, "Confronting Difficult Situations", Academic and Administrative Leadership Development Program, The University of Texas Health Science Center at Houston, October 16, 2007

Fellow, Academic Leadership Development Program, The University of Texas Health Science Center at Houston, 1998-1999

Participant, Teaching Effectiveness Workshop, June 12, 20, 27, 1995
The University of Texas Health Science Center at Houston

Participant, AAMC/NIH Workshop, "The Promotion of Integrity and Responsible Practice in Biomedical Research," Washington, D.C., April 20-22, 1990

F. Honors and Awards

Excellence in Teaching Award 2013

Excellence in Scholarship Award, 2004
University of Texas School of Public Health

Excellence in Research Incentive Award, 2004
University of Texas School of Public Health at Houston

Excellence in Research Incentive Award, 2003
University of Texas School of Public Health

Excellence in Scholarship Award, 2003
University of Texas School of Public Health

Excellence in Scholarship Award, 2002
University of Texas School of Public Health

Excellence in Scholarship Incentive Award, 2001
University of Texas School of Public Health

Excellence in Research Incentive Award, 2001
University of Texas School of Public Health

Excellence in Scholarship Incentive Award, 2000

University of Texas School of Public Health

Excellence in Research Incentive Award, 2000
University of Texas School of Public Health

Excellence in Research Incentive Award, 1999
University of Texas School of Public Health

Excellence in Research Incentive Award, 1998
University of Texas School of Public Health

Excellence in Scholarship Incentive Award, 1997,
University of Texas School of Public Health

Excellence in Research Award, 1995,
University of Texas School of Public Health

Oration Award, Indian Association of Medical Microbiologists , 1995

Excellence in Research Award, 1994,
University of Texas School of Public Health

II. RESEARCH INFORMATION

A. Current and Past Research Support

1. Principal Investigator, *Rapid Detection of Antibodies to Adenovirus 36*, National Institute of Allergy and Infectious Diseases, (Total cost: \$152,000), 08/13/2013 – 07/31/2015.
2. Principal Investigator, *A Pilot Study of Adenovirus-36 Transmission in Infants*, University of Texas School of Public Health, (Total cost: \$10,000), 9/1/12-8/31/14.
3. Co-investigator, *Impact of Adenovirus-36 and Obesity in the Fire Service on Health & Safety*, Federal Emergency Management Agency, (Total Cost: \$999,972), 06/04/2011 – 06/03/2013.
4. Principal Investigator, *Public Health Traineeship*, Health Research and Services Administration, (Total Cost: \$547,112), 07/01/2005 - 06/30/2010.
5. Principal Investigator, *Infectivity and Virulence of Cryptosporidium Non-parvum Species in Healthy Adult Volunteers*, Environmental Protection Agency STAR Grant, (Total cost: \$524,540), Project period: 09/01/01-08/31/05
6. Co-principal Investigator (UT subcontract renewal), *Intestinal Cytokines in Human Cryptosporidiosis*, National Institutes of Allergy and Infectious Disease, (UT subcontract Total Cost: \$377,488), Project period: 07/01/00-06/30/05
7. Principal Investigator, *Infectivity and Virulence of Cryptosporidium Genotype 1/H Oocysts in Healthy Adult Volunteers*. Environmental Protection Agency STAR Grant, (Total cost: \$546,429), Project period: 03/01/00-02/28/05.
8. Co-principal investigator (UT Subcontract), *Establish a Correlative Dose Response Model for Human Cryptosporidiosis*, Food and Drug Administration, Saul Tzipori, DVM, Ph.D. (Tufts University), Principal investigator, (Subcontract total cost: \$210,474), Project Period: 01/01/99-12/31/02.
9. Co-Investigator (UT Subcontract), *Intestinal Cytokines in Cryptosporidiosis*, National Institutes of Allergy and Infectious Diseases, (Subcontract total cost: \$737,409), Project Period: 09/01/97-08/31/00.
10. Principal Investigator, *C. parvum: Mucosal Response in Healthy Hosts & HIV/AIDS*. National Institutes of Allergy and Infectious Diseases, (Total cost: \$143,240), Project Period: 10/01/97 - 09/30/98.

11. Principal Investigator, *In Vitro and In Vivo Effects of BMS 193033 on Cryptosporidium parvum Infection*. Bristol Myers Squibb, (Total Cost: \$50,015), Project Period: 10/01/97-4/30/98.
12. Principal Investigator, *Virulence Factors in Cryptosporidium and Infective Dose in Humans*, Environmental Protection Agency, (Total cost: \$550,323), Project period: 10/1/95-9/30/98.
13. Principal Investigator, *Cryptosporidium parvum Infection in Healthy Adult Volunteers*, Office of Research and Academic Affairs, The University of Texas Health Science Center, (Total direct cost: \$13,550), Project period: 10/01/95-8/31/96.
14. Co-Investigator, *A Single Center, Phase I/II Clinical Trial to Assess the Safety of Oral Bovine Anti-Cryptosporidium Immunoglobulin (BACI) in Normal Volunteers and Its Efficacy in Preventing and Treating Cryptosporidium parvum Infection Following Oral Challenge*, Immucell, Inc., (Total cost: \$103,680), Project period: 04/01/95-03/31/97.
15. Co-Investigator, *Infectivity of Cryptosporidium for Adult Humans*. Environmental Protection Agency, (Total cost: \$656,440), Project period: 10/01/93-9/30/95.
16. Principal Investigator, *Evaluation of an Antigen Detection Immunoassay for Cryptosporidium in HIV-Infected Patients*, Seradyn, Inc., (Total cost: \$5,500), Project period: 07/01/92 – 12/31/92.
17. Principal Investigator, *Diagnosis of Schistosomiasis with a Parasite Proteinase*, National Institute of Allergy and Infectious Diseases FIRST Award, (Total direct cost: \$344,192), Project period: 12/1/88-11/30/92.
18. Co-Investigator, *Proteolytic Enzymes of Schistosoma mansoni*, North American Treaty Organization, (Total direct cost: \$5,165), Project period: 3/1/87-2/28/91. (Appointed January, 1990 by Dr. Marc H. Dresden (PI), prior to his death)

B. Pending Research Support

None

C. Approved, But Not Funded

1. Co-Principal Investigator (15% FTE), *Surveillance of Adenovirus-36 in Laboratory Mice*, Grants for Laboratory Animal Science, (Mary A. Robinson, DVM, PI), Total cost: \$17,725, Project period: 5/31/12-5/30/13.
2. Co-Investigator (20% FTE), *Obesity and Adenovirus-36 in Children*, National Institute of Diabetes and Digestive and Kidney Diseases, (Co-Principal Investigators, R. Sue Day, PhD and Nikhil Dhurandhar, PhD; Total Cost: \$2,349,287), Project period: 7/1/2011 – 6/30/2016.
3. Co-investigator (25% FTE), *International Center for Immunogenetics of Infectious Diarrhea*, National Institutes of Health, (Principal Investigator: Herbert L. DuPont, MD; Total costs: \$6,982,611), Project period: 7/1/10-6/30/15.
4. Co-investigator (25% FTE), *Prevention of Taeniasis/Neurocysticercosis Associated Epilepsy Among Hispanics*, (Principal investigator: Victor Cardenas, PhD; Total costs: \$996,183), Project period: 09/30/2009 - 09/29/2011.
5. Principal Investigator, *Chagas' Disease in the Texas/Mexico Border Region*. Advanced Research Program, Texas Higher Education Coordinating Board, (Total costs: \$150,000), Project period: 01/01/02-12/31/03.
6. Co-investigator (UT-H component of UTMB collaborative grant), *T-cell Epitope-Derived Vaccine Against Cryptosporidium parvum*. State of Texas ATP Grants Program, (Total cost: \$314,480), Project period: 01/01/00-12/31/02.

7. Principal Investigator: (UT subcontract), *Comparison of cell culture and animal infectivity for detection of Cryptosporidium*, American Water Works Association Research Foundation, (Subcontract Total costs: \$271,515), Project period: 1/1/00-12/31/02.
8. Principal Investigator, *Training in Public Health and Emerging Diseases*, National Institutes of Allergy and Infectious Diseases/Fogarty International, (Total Costs: \$530,809), Project period: 5/1/99-4/30/04.
9. Principal Investigator, *Training in Public Health and Emerging Diseases*, National Institutes of Allergy and Infectious Diseases/Fogarty International, (Total Costs: \$530,809), Project period: 5/1/99-4/30/04.
10. Co-Investigator, *Prevention of Taeniasis/Neurocysticercosis Associated Epilepsy Among Hispanics*, National Institutes of Health, (Total Cost: \$996,183), 09/30/2009 - 09/29/2011
11. Principal Investigator, *Alterations in the Gut Microbiota from Cryptosporidium Infection and Illness*. Center for Molecular and Microbiome Research, Baylor College of Medicine, Total cost: \$19,461, 2/1/13-1/31/14.

D. National Scientific Participation

1. Expert Panel, Vietnam Education Foundation and National Academy of Sciences, Hanoi and Ho Chi Minh City, Vietnam, August 2-13, 2011
2. Expert Panel, Vietnam Education Foundation and National Academy of Sciences, Hanoi and Ho Chi Minh City, Vietnam, August, 2010
3. Section Editor, American Journal of Tropical Medicine and Hygiene, 1998 – 2005
4. Ad hoc Reviewer:

2013

Journal of Clinical Microbiology (February, September)
BioMed Research International (June)
American Journal of Tropical Medicine and Hygiene (June)
Journal of Medical Virology (December)
Clinical Microbiology Reviews (December)

2012

Pediatric Infectious Diseases Journal (February)
Journal of Clinical Microbiology (September)

2011

Journal of Parasitology Research (January)
Pediatric Infectious Diseases Journal (February, May, and October)
Comparative Parasitology (December)

2010 and before

Applied and Environmental Microbiology
Comparative Parasitology
Journal of Clinical Microbiology
Pediatric Infectious Diseases Journal
Infection and Immunity
International Journal of Parasitology
International Journal of Experimental and Clinical Chemistry
Journal of Parasitology
Emerging Infectious Diseases
Pediatric Infectious Diseases Journal

The National Medical Journal of India
Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology
American Public Health Association
Comparative Biochemistry and Physiology
Acta Protozoologica (Polish Academy of Sciences)
Journal of Travel Medicine
Experimental Parasitology

4. Advisory Committees

Reviewer, Baylor College of Medicine, Center for AIDS Research, Pilot Grants for HIV/AIDS and HIV Malignancy Research, April 2013

Reviewer, Baylor College of Medicine, Digestive Diseases Center Pilot and Feasibility Research Grants, December 2010

Reviewer, Gary Norris Promise Award, 2009

Reviewer, NIOSH Pilot Project Research Training Program, 2006

Grants reviewer, U.S. Civilian Research and Development Foundation, Science Centers Program, 2005

Reviewer, NIOSH Pilot Project Research Training Program, 2003.

Grants reviewer, U.S. Civilian Research and Development Foundation, Science Centers Program, 2003

American Water Works Association Research Foundation, Project Advisory Committee, 1996 – 2001

Past service:

Ad Hoc Reviewer, Natural Sciences and Engineering Research Council of Canada

Member, NIAID Microbiology and Infectious Diseases Research Committee, Review of "Basic and Applied Research Into Tropical Diseases"

Ad Hoc Review Panel, Thrasher Research Fund

Member, Special Review Committee, NIAID, "International Collaborations in Infectious Disease Research"

5. Consulting Activities

Environmental Protection Agency: *Defining Susceptibility in Microbial Risk Assessment: A Dialogue*, GWU Center for Risk Science and Public Health, Washington, DC, June 26-27, 2001.

Environmental Protection Agency: *Peer-Involvement Workshop. Translating the Results of Human Health Risk Assessments into Health Conditions and Quality of Life Years*, April 29-30, 1999, Cincinnati, OH.

Environmental Protection Agency, Peer Review of Work Plan (03/10/98), *Source Water Protection (Clean Water Act): Investigation of Gene Sequencing Techniques to Identify Sources of Cryptosporidium parvum Oocysts in Polluted Water*, April 7, 1998.

Consultant to Mr. Peter McClellan, Queen's Councilor, Chairman of the Inquiry into the Sydney Water Supply Contamination, August, 1998.

Member, CDC Working Group on Waterborne Cryptosporidiosis, 1995-1997

6. Professional Societies and Organizations

American Society of Parasitologists

National Review Committee member, Boris I. Kuperman Grant Award Committee, 2003-2007.

National Nominating Committee 2005-2007

Member, Bueding and von Brand Lectureship Committee, 2000-2007

Elected to National Council, 2003-2006
Chair, National Committee for Distinguished Service and Extramural Awards, 1996-1998

American Society of Tropical Medicine and Hygiene,
Section Editor, American Journal of Tropical Medicine and Hygiene, 2001-2005
Chair, National Membership Committee, 1993-1995
State Coordinator, Legislative Task Force Network, 1992
Committee for Public Affairs (National), 1990-1992

American Public Health Association

Southwestern Association of Parasitologists
President, 1992-1993
President-Elect, 1991-1992

American Society of Microbiology

American Society for Biochemistry and Molecular Biology (Elected)

International Society of Travel Medicine

Sigma Xi, Research Society of North America
President, (Local Chapter) 1992-1993
President Elect, (Local Chapter) 1991-1992
Board of Director (Local Chapter), 1990-1992

7. Invited Lectures (International, National and Local--from 1999)

Eat, Drink and Be Wary! Texas Department of State Health Services ELC Epidemiology Workshop, May 5, 2011, Austin, TX.

MRA Dose-Response Challenges. EPA-CDC Microbial Risk Assessment (MRA) Workshop, Keynote Speaker, April 21-22, 2009, Atlanta, GA.

The Cryptosporidium Volunteer Study: Bridges Over Troubled Waters. North American Meeting of American Society of Parasitologists, Sociedad Mexicana de Parasitologia, and Parasitology Section of the Canadian Society of Zoologists, June 21-25, 2007, Merida, Mexico.

Cryptosporidium Infectivity and Illness in Experimentally-challenged Healthy Adults. Microbial Risk Assessment Workshop (Presenter and Expert Panelist), Environmental Protection Agency, November 18-19, 2004, Cincinnati, Ohio.

Trypanosomiasis in Texas, Waring SC and Chappell CL, Texas Branch Meeting of The American Society for Microbiology, November 4-6, 2004, Houston, Texas

Cryptosporidium: A Public Health Threat. Sam Houston State University, October 30, 2003, Seminar series, Huntsville, Texas.

Cryptosporidium Infection in Healthy Adults, Environmental Research Seminar, U.S. Environmental Protection Agency, May 28, 2003, Dallas, Texas.

Cryptosporidium parvum: Infectivity, Pathogenesis and the Host-Parasite Relationship. Seminar series, Texas A&M University, December 10, 2002, College Station, Texas.

Of Mice, Men and Cell Cultures: Cryptosporidium parvum (genotype 2) infectivity. 1st International Conference on Microbiological Risk Assessment: Foodborne Hazards, July 24-26, 2002, University of Maryland, Adelphi, Maryland.

Cryptosporidium: Bridges Over Troubled Waters, 77th Annual Education Conference of the Texas Public Health Association, March 24-26, 2002, Ft. Worth, Texas.

Cryptosporidium Volunteer Study: Infectivity and the Mucosal Response. Seminar series.

Bloomberg School of Public Health, Johns Hopkins University, March 7, 2002, Baltimore, MD.

Cryptosporidium in Healthy Adults: Infectivity, Pathogenesis and the Host-Parasite Relationship. International *Cryptosporidium* from Molecules to Disease Conference, October 7-12, 2001, Fremantle, Australia.

Cryptosporidium parvum Volunteer Study: Infectivity and Immunity. Australian Society of Microbiology, September, 2001, Perth, Australia.

Host Immune Factors in Cryptosporidiosis, Environmental Protection Agency: Defining Susceptibility in Microbial Risk Assessment: A Dialogue, GWU Center for Risk Science and Public Health, June 26-27, 2001, Washington, DC.

Cryptosporidium in Healthy Humans: How Infectious Are They? 51st Annual Conference on Diseases in Nature Transmissible to Man, May 31-June 2, 2001, Austin, Texas.

Infectivity and Virulence of Cryptosporidium Genotype H Oocysts in Healthy Adult Volunteers, STAR Drinking Water Progress Review Meeting, US EPA, National Center for Environmental Research, February 22-23, 2001, Silver Springs, MD,.

Cryptosporidium parvum Volunteer Study: Infectivity and Immunity. Center for Tropical Diseases Colloquium, February 15, 2001, Galveston, Texas.

Cryptosporidium parvum: Infectivity Studies and Serological Response, Cryptosporidium: The Analytical Challenge Symposium, Royal Society of Chemistry and the Drinking Water Inspectorate, October 25-26, 1999, University of Warwick, Coventry, England.

Cryptosporidium parvum (Genotype 2) Isolates Vary in Their Capacity to Infect Cultured Enterocytes and Animal Models. International Symposium on Waterborne Pathogens, August 31, 1999, Milwaukee, Wisconsin.

Cryptosporidium parvum: Infectivity in Healthy Volunteers and Laboratory Models. Cryptosporidium Disinfection Workshop – Towards a Standardized Experimental Design for Viability and Inactivation Studies. American Water Works Association, Drinking Water Inspectorate, and Water Service Association of Australia, August 11-12, 1999, Tadley, England.

Cryptosporidium parvum Volunteer Studies, Microbial Pathogens and Disinfectant By-Products Health Effects Workshop, Environmental Protection Agency, Feb. 11-12, 1999, Washington, DC.

8. International, National, and Regional Presentations (from 1999)

Dubuisson, O, Chappell, C, Day, RS, and Dhurandhar, NV. *Accurate and rapid identification of neutralizing antibodies to adipogenic adenovirus Ad36,* 30th Annual Meeting of the Obesity Society, November 11-16, 2013, Atlanta, GA.

DuPont, H, Chappell, CL, and Okhuysen, PC. *The Cryptosporidium Volunteer Study.* Controlled Human Infection Studies in the Development of Vaccines and Therapeutics, Wellcome Trust, the World Health Organization, the Jenner Institute and the British Society for Immunology, January 9-11, 2013, Cambridge, UK.

Day, RS, Dhurandhar, NV, Chappell, CL, and Wenyaw Chan. *Longitudinal changes in children's adiposity and lipids and Adenovirus-36 infection.* 29th Annual Scientific Meeting of Obesity, October 1-5, 2011, Orlando, FL.

Teunis, P, Moe, C, and Chappell, C. *Microbial infectivity: Pushing the limits.* Food Microbiology 2008, September, 2008, Aberdeen, Scotland.

Lupo, P, Langer-Curry, RC, Robinson, MA, and Chappell, CL. *Identification of Cryptosporidium muris in a Texas canine population.* 54th Annual Meeting American Society of Tropical Medicine and Hygiene, December 11-15, 2005, Washington, DC.

Chappell, CL, Okhuysen, PC, Langer, RC, Aikyoshi, D and Tzipori, S. *Cryptosporidium hominis: Infectivity and illness in healthy adults*. 53rd Annual Meeting American Society of Tropical Medicine and Hygiene, November 7-11, 2004, Miami, Florida.

Wang, H-C, Dann, SM, Okhuysen, PC, Cron, S, Chappell, CL, White AC. *The chemokine CXCL10 (IP-10) is expressed in the intestines of AIDS patients with chronic cryptosporidiosis*. 53rd Annual Meeting American Society of Tropical Medicine and Hygiene, November 8-11, 2004, Miami, Florida.

Lee, SA, A Tsai, S Dann, AC White, CL Chappell, DC Guo, DM Milewicz, T King and PC Okhuysen. *Role of Interleukin 10 (IL 10) in susceptibility to C. parvum (CP) infection in healthy adults*. Infectious Diseases Society of America Annual meeting. September 30 – October 4, 2004, Boston, Massachusetts.

Dann, SM, Wang, HC, Okhuysen, PC, White, AC and Chappell, CL. *CD20+ B cells are associated with resistance to experimental human Cryptosporidium infections*. FASEB Summer Research Conference, "Lymphocytes and Antibodies". June 19-24, 2004, Saxton's River, Vermont.

Chappell, CL and Waring, S. *Chagas' Disease: Are we missing an emerging disease in Texas*. Diseases in Nature Conference, June 2-4, 2004, Austin, Texas.

Chappell CL, Okhuysen P, Langer R, Akiyoshi D, and Tzipori S. *Experimental infection of healthy adults with Cryptosporidium genotype 1 isolate (TU502)*. The 78th Annual Meeting of the American Society of Parasitologists. August 1-5, 2003, Halifax, Nova Scotia.

Langer RC, Okhuysen PC, Tzipori S, Sterling and CL Chappell. *Cryptosporidium IgG antibodies in healthy adults are dependent upon the infecting genotype*. The 78th Annual Meeting of the American Society of Parasitologists. August 1-5, 2003, Halifax, Nova Scotia.

Dann, SM, Okhuysen, PC, Douglas, TC, Chappell, CL. *Circulating antibody-secreting lymphocytes are markers of active infection in healthy volunteers experimentally challenged with intestinal parasite Cryptosporidium parvum*, American Association of Immunologists, 90th Anniversary Annual Meeting, May 10, 2003, Denver, Colorado.

Langer, R., Okhuysen, P, Tzipori, S, Sterling, C and Chappell, CL. *Cryptosporidium IgG antibodies in healthy adults are dependent upon the infecting genotype*. Gulf Coast Tropical Medicine Association Meeting, April 25-26, 2003, Galveston, TX.

Lupo, PJ, RC Langer, and CL Chappell. 2003. *Preliminary study of Cryptosporidium in kenneled dogs*. Gulf Coast Tropical Medicine Association Meeting, April 25-26, 2003, Galveston, Texas.

Chappell, CL, Okhuysen, PC, Langer, R, and Tzipori, S. *Experimental challenge of healthy adult volunteers with Cryptosporidium muris oocysts*. 52nd Annual Meeting of The American Society of Tropical Medicine and Hygiene, December 3-7, 2003, Philadelphia, PA.

Dann, SM, Robinson, P, Okhuysen, PC, White, AC, Chappell, CL. *B-cell and secretory IgA responses to Cryptosporidium parvum infection in health volunteers*, 11th International Congress of Mucosal Immunology, June 16-20, 2002, , Orlando, Florida.

Grunenwald, PE, Langer, R, Chappell, CL, Waring, S. *Characterization of three isolates of Trypanosoma cruzi from Texas*. Diseases In Nature Conference, June 6-7, 2002, Houston, Texas.

Okhuysen, PC, Padda, RS, Tsai, A, Chappell, CL. *Molecular cloning and analysis of the Cryptosporidium parvum aminopeptidase N gene (cpapn)*. Interscience Conference on Antimicrobial Agents and Chemotherapy, September, 2001, Chicago, Illinois.

Robinson, P., Weinstock, JV, Okhuysen, PC, Chappell, CL, Lewis, DE, Actor, J, Cron, S, and White, AC Jr. *Substance P is associated with symptoms in AIDS related cryptosporidiosis*. American Society for Tropical Medicine and Hygiene, November 11-15, 2001, Atlanta, GA.

Millership, JJ, Didier, ES, Chappell, CL, Okhuysen, PC and Snowden, KF. *Microsporidial*

aminopeptidases as targets for therapeutic agents. New Challenges in Tropical Medicine and Parasitology, Oxford, UK, September 18-22, 2000.

Di Giovanni DG, Chappell C, and LeChevallier MW. *Real-time quantitative PCR detection of intact and infectious Cryptosporidium parvum oocysts for water industry applications*. American Society of Microbiology, May 21-25, 2000, Los Angeles, CA.

Chappell, C., Marshall, M., Widmer, G., Okhuysen, P., and Sterling, C. *Evaluation of mice and enterocytes as surrogates for human Cryptosporidium parvum (genotype 2) infection*. American Society of Parasitologists, June 24-29, 2000, San Juan, Puerto Rico.

Okhuysen, P., Robinson, P., Lewis, D., Shahab, S., Lahoti, S, Chappell, C., and White, A., Jr. *Sequential expression of IL-15, interferon gamma and IL-4 in cryptosporidiosis patients during immune reconstitution with HAART*. 7th Conference on Retroviruses, Jan 30-Feb. 2, 2000, San Francisco, CA.

White, A., Robinson, P., Okhuysen, P., Lewis, D., Shahab, I., Lahoti, S., and Chappell, C. *Intestinal cytokine responses in cryptosporidiosis*. Keystone Symposium on Innate and Acquired Immunity at Mucosal Surfaces, Jan. 18-23, 2000, Taos, New Mexico,.

Dann, S.M., Salameh, B.M., Okhuysen, P.C., DuPont, H.L., and Chappell, C.L. *Fecal antibody response to Cryptosporidium parvum in healthy volunteers*. American Society of Tropical Medicine and Hygiene, November 28-December 2, 1999, Washington, DC..

Chappell, C.L., Okhuysen, P.C., Shahab, I., and DuPont, H.L. *Cellular response in the human intestinal mucosa after Cryptosporidium challenge*. American Society of Tropical Medicine and Hygiene, November 28-December 2, 1999, Washington, DC..

Robinson, P., Okhuysen, P., Lewis, D., Lahoti, S., Chappell, C., White, A. *Differential intestinal IL-15 and interferon γ expression in experimental human cryptosporidiosis*. Experimental Biology, April 17-21, 1999, Washington, DC.

E. Publications

Full Papers (Peer reviewed)

1. Grigg, J.C., **Chappell, C.**, and Wells, 1978. An immunological comparison of thrombocytes from bursectomized and intact chickens. *Journal of Tennessee Academy of Science* 54:122-124.
2. McGee, Z.A., Street, C., **Chappell, C.**, Cousar, E., Morris, F., and Horn, R. 1979. Pili of *Neisseria meningitidis*: effect of media on maintenance of piliation, characteristics of pili and colonial morphology. *Infection and Immunity* 24:194-201.
3. Gentry, L.O., **Chappell, C.L.**, and Ives, R.T. 1980. *In vitro* antibacterial activity of moxalactam (LY 127935) against gram-negative bacteria from hospitalized patients. *Current Therapeutic Research* 28:611-617.
4. Dresden, M.H., Rutledge, M.L., and **Chappell, C.L.** 1981. Properties of the acid thiol proteinase from *Schistosoma mansoni* adults. *Molecular and Biochemical Parasitology* 4:61-66.
5. **Chappell, C.L.** and Dresden, M.H. 1986. *Schistosoma mansoni*: Proteinase activity of 'hemoglobinase' in material from the digestive tract of adult worms. *Experimental Parasitology* 61:160-167.
6. **Chappell, C.L.**, Dresden, M.H., and Walters, D.W. 1987. Glutathione activation of a cysteine proteinase from *Schistosoma mansoni*. *Biochimica et Biophysica Acta* 913:335-341.
7. **Chappell, C.L.** and Dresden, M.H. 1987. Purification of cysteine proteinases from adult *Schistosoma mansoni*: *Archives of Biochemistry and Biophysics* 256:560-568.
8. Zerda, K.S., Dresden, M.H., Damian, R.T., and **Chappell, C.L.** 1987. *Schistosoma mansoni*: Anti-SMw32 proteinase response in vaccinated and challenged baboons. *American Journal of Tropical Medicine and Hygiene* 37:320-326.
9. **Chappell, C.L.** and Dresden, M.H. 1988. Antibody response to a purified parasite proteinase (SMw32)

- in *Schistosoma mansoni*-infected mice. American Journal of Tropical Medicine and Hygiene 39:66-73.
10. **Chappell, C.L.**, Kalter, D.C., and Dresden, M.H. 1988. The hypersensitivity response to the adult worm proteinase, SMw32 in *Schistosoma mansoni* infected mice. American Journal of Tropical Medicine and Hygiene 39:463-468.
 11. Zerda, K.S., Dresden, M.H., and **Chappell, C.L.** 1988. *Schistosoma mansoni* expression and role of cysteine proteinases in developing schistosomula. Experimental Parasitology 67:238-246.
 12. **Chappell, C.L.**, Hackel, J., and Davis, A.H., 1989. Cloned *Schistosoma mansoni* proteinase (hemoglobinase) as a putative serodiagnostic reagent. Journal of Clinical Microbiology 27:196-198.
 13. Price, T.M., Dresden, M.H., Alvarado, T. Flanagan, J., and **Chappell, C.L.** 1989. Coenuriasis in a spectacled langur (*Presbytis obscura*): Praziquantel treatment and the antibody response to cyst antigens. American Journal of Tropical Medicine and Hygiene 40:514-520.
 14. **Chappell, C.L.**, Dresden, M.H., Gryseels, B., and Deelder, A.M. 1990. Antibody response to *Schistosoma mansoni* adult worm cysteine proteinases in infected individuals. American Journal of Tropical Medicine and Hygiene 42: 335-341.
 15. **Chappell, C.L.**, Enos, J.P., and Penn, H.M. 1990. *Dipylidium caninum*, an underrecognized infection in infants and children. Pediatric Infectious Diseases Journal 9:745-747.
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63. Okhuysen, P.C., Rogers, G.A., Crisanti, A., Spano, F., Huang, D.B., **Chappell, C.L.**, and Tzipori, S., 2004. Antibody response of healthy adults to recombinant thrombospondin-related adhesive protein of *Cryptosporidium* 1 after experimental exposure to *Cryptosporidium* oocysts. *Clinical and Diagnostic Laboratory Immunology*, 11(2):235-238.
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65. Huang, D.B., **Chappell, C.**, and Okhuysen, P.C. 2004. Cryptosporidiosis in children. *Seminars in Pediatric Infectious Diseases*, 15:253-259.
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69. Wang, H-C., Dann, S.M., Okhuysen, P.C., Lewis, D.E., **Chappell, C.L.**, White, A.C., Jr. 2007. High levels of CXCL10 are produced by intestinal epithelial cells in AIDS patients with active cryptosporidiosis but not after immune reconstitution. *Infection and Immunity* 75:481-487.
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72. **Chappell, C.L.** and Carlin, N. 2011. Public health ethics education in a competency-based curriculum: A method of programmatic assessment, *Journal of Academic Ethics* 9:33-42. DOI 10.1007/s10805-011-9130-7.
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Submitted for Publication:

1. Day RS, Brown AL, Chappell CL, Shay CM, Hauth BA, and Evans RW. Validity of glucose measures from sera stored for two decades. [Submitted to: Journal of Clinical Chemistry]
2. Chappell CL, Okhuysen PC, Langer-Curry RC, Lupo P, Widmer G, and Tzipori S. *Cryptosporidium muris*: Infectivity and illness in healthy adult volunteers. [Submitted to: Infection and Immunity]

2. Books

Complete Books

Chappell, C.L. (1976) "Thrombocyte Specificity in Two Strains of *Gallus domesticus*," Master's Thesis, December.

Chappell, C.L. (1985) "Cysteinyl Proteinases of *Schistosoma mansoni* Adults: Purification, Characterization and Immunogenicity," Dissertation. 136pp.

Book Chapters

Chappell, C.L. and Dresden M.H. (1986) *Schistosoma mansoni* Adult Worm Proteinase: Tissue Localization in the Parasite and Antibody Response in Infected Animals, In: Molecular Strategies of Parasitic Invasion. Alan R. Liss, Inc., New York, NY, p. 399-408.

Chappell, C.L. and Dresden M.H. (1986) *Characterization of a Cysteinyl Proteinase from the Human Parasite, Schistosoma mansoni*, In: Cysteine Proteinases and Their Inhibitors (V. Turk, ed.), Walter de Gruyter, New York, p. 199-208.

Chappell, C.L. and Corboy, J. (1995) *Parasitology and Travel Medicine*, In: Textbook of Family Medicine, 5th Ed., W.B. Saunders Co., Philadelphia, p. 506-521.

Chappell, C.L. and Okhuysen, P.C. (1996) *Intestinal Protozoa*, In: Textbook of Internal Medicine, W.N. Kelley, Ed., J.B. Lippincott Co., Philadelphia, p. 1791-1794. [Updated for 4th edition, 1999].

Chappell, C.L. and Okhuysen, P.C. (2001) *Cryptosporidiosis in Healthy Volunteers*, In: Cryptosporidium: The Analytical Challenge, M. Smith, Ed., Royal Society of Chemistry, London, pp 62-72.

Chappell, C.L., Okhuysen, P.C. 2002. *Cryptosporidiosis*, In: North American Parasitic Zoonoses, D. J. Richardson, and P.J. Krause (eds.), Kluwer Academic Publishers, Norwell, Massachusetts, pp 113-128.

Chappell, C.L., Okhuysen, P.C. and White, A.C., Jr. 2004. *Cryptosporidium parvum: Infectivity, Pathogenesis and the Host-Parasite Relationship*. In Cryptosporidium: From Molecules to Disease. R. Thompson, A. Armson and U. Ryan (eds.) Elsevier Science. p 19-50.

Chappell, C.L., Okhuysen, P.C., DuPont, H.L., Sterling, C.R., and Tzipori, S. 2004. *Cryptosporidium parvum* Volunteer Study: Infectivity and Immunity. In Cryptosporidium: From Molecules to Disease. R. Thompson, A. Armson and U. Ryan (eds.) Elsevier Science. pp. 79-82.

3. Published Reports

Contributor, "The Health and Health Service Systems of Texans on the Texas-Mexico Border: Public Policy Implications", Prepared for Senator Eliot Shapleigh, March, 2002.

Contributor and participant, "Predicting human dose response relationships from multiple biological models: Issues with *Cryptosporidium parvum*", Report on a workshop from the USDA Center at Riverside, Riverdale, MD, September 28, 2000. <http://www.foodriskclearinghouse.umd.edu/crypto/RACpublic9-00.html>

Contributor and participant, "Towards a standardized experimental design for viability and inactivation studies". Report on a Workshop for *Cryptosporidium* and Water, Prof. Ian Bouchier, Chair, Tadley Court, Tadley, Hampshire, England, August 1999. <http://www.dwi.detr.gov.uk/pubs/>

4. Letters to the editor

White A.C., Jr., Cron, S.G., and **Chappell, C.L.**, 2001. Paromomycin in cryptosporidiosis. *Clinical Infectious Diseases* 32(10):1516-1517.

Chappell, C.L., Okhuysen, P.C., Dann, S.M. 2001. Serological responses to *Cryptosporidium* infection. *Infection and Immunity* 69(3):1974-1975.

III. MENTORSHIP OF JUNIOR FACULTY

Lisa Pompei, PhD, 2009-2010
David Lopez, PhD 2011-2013
Andrew Henderson, PhD 2012-2013
Shaper Mirza, PhD 2013

IV. TEACHING INFORMATION

A. **Didactic Course Work**

Current and past courses:

Current courses

Infectious Diseases Seminar (Fall 2012)
Overview of Environmental Health (Spring 2012-2014)
Immunology (Spring 2010-2014)
Environmental Microbiology (Fall 2010-2013)
Public Health Ethics (Independent Study, Fall 2013)

Past courses

Risk Communication
Introduction to Doctoral Studies in Public Health (Fall 2009)
Introduction to Master's Studies in Public Health (Fall 2009)
Ethical Dimensions of Biomedical Science (Lecturer and Discussion Leader)
Immunology (Coordinator and lecturer)
Introduction to Human Biology (Coordinator and lecturer)
Public Health Microbiology I, (Coordinator and lecturer)
Seminar in Emerging Infectious Diseases (Co-coordinator)

Regular guest lecturer (current and/or past)

PH5600 Overview of Global Health (2012, 2013)
PH5612 Global Health Seminar (2011, 2012, 2013)
PH1238 Adolescent Sexual Health (2012, 2013)
PH2130 Recognition of Environmental and Occupational Hazards (EOHS Core Course)
Epidemiology and Control of Infectious Diseases
Natural History of Diseases
Pathophysiology of Disease—Physician's Assistant Program, Baylor College of Medicine
Public Health Microbiology II
Infection and Immunity (Baylor College of Medicine)
Introduction to Infectious Diseases

Occasional guest Lecturer (current and past)

Emerging Zoonotic Diseases
Introduction to Epidemiology
Medical Geography
Topics in Public Health History, Science and Practice
Ethics in Medicine Lecture Series

B. Non-Didactic Teaching

1. Research Fellow Training

Mary Elizabeth Gardner, NIH High School Teacher Fellowship, Summer, 1999
Elizabeth Douglass, M.D. Infectious Diseases Research Fellow, 1996-97
Luis Valdez, M.D., Infectious Diseases Research Fellow, 1995-96
Pablo Okhuysen, M.D., Infectious Diseases Research Fellow, 1993-94
Steven Watson, M.D., Family Medicine Research Fellow, 1991
Louis A. Kazal, M.D., Family Medicine Research Fellow, 1990
Fernando G. Monroy, Ph.D, Post-Doctoral Fellow, 1989-1990 (In Completion of Training) Begun with Dr. Marc H. Dresden, (deceased)
Carolyn Judd, Meadows Foundation Fellow, 1989-1990
Mary Elizabeth Gardner, ASBMB High School Teacher Summer Fellow, 1989
Graduate Student Training

2. Graduate Student Training (Research Supervisor)

Wilbourn, Heather, Epidemiology, M.S. Program, *Identification of Epitopes on the Adenovirus 36 Hexon Protein*, The University of Texas School of Public Health, at Houston, 2013-present.

Thomas, Eva, Epidemiology, M.S. Program, *Cryptosporidium Oocyst Excretion in Healthy Volunteers*, The University of Texas School of Public Health, at Houston

Ochoa, Victoria, Environmental Science and Engineering Program, Ph.D. Program, *Risk Assessment of Waterborne Cryptosporidium*, The University of Texas at El Paso, 2011-present.

Heather Elfman, Biological Sciences, M.S. Program, *Antigenic Variation of Surface Antigens Expressed on Trypanosoma cruzi Trypomastigotes*, The University of Texas School of Public Health, at Houston, 2004-2007.

Ellen Willmore, Disease Control, M.P.H. Program, *Control of Norovirus Outbreaks in Healthcare Settings: A Literature Review*, The University of Texas School of Public Health, 2001-2006.

John Allen Wright, Disease Control, M.P.H. Program, *Serological Evidence of Anti-Acanthamoeba Antibodies in Healthy and Tuberculous Patients*. The University of Texas School of Public Health, 2000-2003 [Thesis not completed].

Jennifer Locke, Disease Control, M.P.H. Program, *In Vitro Infection of Cryptosporidium parvum: Effects of Extracts from Human Intestinal Flora*. The University of Texas School of Public Health, 2000-2001

Sara Dann, Biological Sciences, Ph.D. Program, *Mucosal B cell and antibody responses to Cryptosporidium parvum in healthy volunteers*. The University of Texas School of Public Health, 1999-2005

Paul Grunenwald, Epidemiology, M.P.H. Program, *Comparison of two ELISA protocols for detection of antibodies to Trypanosoma cruzi utilizing two distinct antigen sources*. The University of Texas School of Public Health, 1999--2004.

Jason Millership, Veterinary Microbiology, Ph.D. Program, *Aminopeptidases of microsporidia*. Texas A&M University School of Veterinary Medicine, 1999-2002

Larisa Alonso, M.S. Program in Biological Sciences, The University of Texas School of Public Health, *Plasma Selenium and Zinc and T-Lymphocytes in Gastrointestinal Chagas' Disease*, 1999-2000.

Sonia Kjos, Epidemiology, M.S. Program, *Development of a Recombinant Cryptosporidium Antigen Assay System for Epidemiological Studies*. The University of Texas School of Public Health, 1998-2000.

Michael Coletta, Disease Control, M.P.H. Program, *Serological Reactivity to*

Acanthamoeba spp. in Selected Populations. The University of Texas, School of Public Health, 1997-1998.

Christine Bridges, Physician's Assistant Program, *A Survey of Bacterial and Parasitic Causes of Infectious Diarrhea Reported to the City of Houston Health Department, 1996 and 1997*. Baylor College of Medicine. 1997-1998.

Sara Dann, Biological Sciences, M.S. Program, *Fecal Antibody Response to Cryptosporidium parvum in Healthy Volunteers*. The University of Texas, School of Public Health, 1995-1999.

Georgia Nothdurft, Physician's Assistant Program. *Cryptosporidium parvum: Pre- and Post-challenge Serum Antibody Response in Sensitized Individuals*. Baylor College of Medicine. 1996-1997.

Karen Dailey, Disease Control, M.P.H. Program, *Prevalence of Giardiasis in the Children of St. Petersburg (Leningrad)*. The University of Texas, School of Public Health, 1996. [Incomplete]

Thomas Kumenda, Disease Control, M.P.H. Program, *Outbreak of Balantidiosis in an Animal Care Facility*. The University of Texas School of Public Health, 1996-1998.

Constance Wang, Epidemiology, M.S. Program, The University of Texas School of Public Health, 1995-1998.

Han Dang, Disease Control, M.P.H. Program, *Serum Antibody Response in Volunteers Challenged with Cryptosporidium parvum*. The University of Texas, School of Public Health, 1995-1997.

Janice Jackson, Disease Control, M.P.H. Program, *The Serum Antibody Response to Sporozoite Antigens of Cryptosporidium parvum in Experimental Human Infections*. The University of Texas School of Public Health, 1993-1995.

Bassam Salameh, Disease Control, Dr.P.H. Program, The University of Texas School of Public Health, 1993-1996. [Dissertation not completed]

Laura Tabony, Disease Control, M.P.H. Program, *Trypanosoma cruzi (Chagas' Disease): A Study of Prevalence in Selected Texas Blood Donor Populations*. The University of Texas-Houston, School of Public Health, 1993-1995.

Simon Gould, Department of Physiology, Ph.D. program, University of Texas Medical School, Dissertation Committee Member, 1990-1993.

3. Graduate Student Training (Academic Advisor)

Leonardi-Cattolica, Antonio, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2013-present.

Qiu, Xueting, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2013-present.

Alexander, Randi, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2013-present.

Allred, Kiley, Epidemiology, Dr.P.H. Program, The University of Texas School of Public Health, 2013-present.

Le Blanc, Andrea, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2012-present.

Wilbourn, Heather, Epidemiology, M.S. Program, The University of Texas School of Public Health, 2012-present.

King, Kristin, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2012-present.

Bozorgui, Shima, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2012-present.

Addy, Katherine, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2011-present.

Odonze, Onyinyechi, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2011-present.

Mejeoumov, Tracy, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2011-present.

Bryant (Cephas), Jeanine, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2011-present.

Bansal, Swati, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2012-2013.

Santosuosso, Julie, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2011-2013.

Shah, Preksha, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2011-2013.

McCauley, Kyle, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2011-2013.

Hutchison, Enjonli, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2011.

Akem, Verem, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2011 -- 2013.

Chen, Eric, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2011 -- 2012.

Faisal, Sobia, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2011.

Lee, Laura, Epidemiology, Ph.D. Program, The University of Texas School of Public Health, 2010 -- 2011.

Kale, Charuta, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2010.

Elliott, Aleisha, Epidemiology, M.S. Program, The University of Texas School of Public Health, 2010—2012.

Djotsa, Alice, Environmental and Occupational Health Sciences, Dr.P.H. Program, The University of Texas School of Public Health, 2010 – present.

Sauceda, Viridiana, Epidemiology, M.S. Program, The University of Texas School of Public Health, 2010—present.

Nguyen, Thanh-Uyen, Environmental and Occupational Health Sciences, Dr.P.H. Program, The University of Texas School of Public Health, 2010 – 2011.

Sistrunk, Jeticia, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2009 -- 2010.

Maddux, Kristen, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2009—2010.

Sackllah, Janan, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2009 – 2010.

Bhalja, Mehul Rajesjkumar, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2009 – present.

Turrentine, Elizabeth, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2009—present.

O’Day, Sarah, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2009—2011.

Do, Nhu Bang, Environmental and Occupational Health Sciences, M.P.H. Program, The University of Texas School of Public Health, 2008-2010.

Sreenivasula, Swapna, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2008—present.

Foster, Elizabeth, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2007—2011.

Stephens, Charles, Epidemiology, M.P.H. Program, The University of Texas School of Public Health, 2007—present.

Nance, Christina, Epidemiology, Ph.D. Program, The University of Texas School of Public Health, 1995--2004.

4. Undergraduate Research Training Programs

Pharmacy Undergraduate Research & Mentorship Program, Texas Southern University School of Pharmacy, Neechie Crook, July 1997 - January 1998
Pharmacy Undergraduate Research & Mentorship Program, Texas Southern University School of Pharmacy, Jillian Nyang'or, June 1998-1999.
Summer Medical and Research Training Program,
Jacob McDowell, 1999
Elizabeth Balhoff, 1996
Sarah Plowman, 1996
Hugh Taylor, 1993
Susan Jew, 1992
Thuan T. Tran, summer, 1990 and 1991
Minority High School Student/Teacher Apprentice Program,
Rachael Roberts, 1993
Danny Nguyen, summer, 1992
Senior Honors Research, Thuan Tran, 1991, Miami University of Ohio

C. Special Lectures

Invited talk, "Ethical Issues in Volunteer Studies", McGovern Center for Health and the Humanities, March 22, 2012.

Presentation, "Communicating with the Media", Junior Faculty Orientation Session, March 11, 2011.

Presentation, "Reflections: International Research Collaborations", Vietnam Education Foundation Alumni Association (Ho Chi Minh City), August 15, 2010

Presentation, "Brazilian Research Initiative", to UTHSC Administrative Staff, 1994

Colloquium Series Lecture in The University of Texas School of Public Health at Houston, "*Cryptosporidium*, an Emerging Public Health Threat," November 30, 1995.

Visiting Professor, Middle Tennessee State University, "Cryptosporidiosis, an Emerging Public Health Problem," April 6, 1995.

Coordinator and Lecturer, Workshop in "Practical Approach to Parasitology" 19th Annual Family Medicine Review Course, 1993-1995.

V. ADMINISTRATIVE ASSIGNMENTS AND ACTIVITIES

A. National and State Participation

Council on Education for Public Health , Accreditation Site Visitor (2009)

Liaison to the National Board of Public Health Examiners, 2006-January, 2009

Association of Schools of Public Health

Education Conference Participant (2005)

Associate Deans' Retreat Planning Committee (2005, 2006, 2007)

Associate Deans' Retreat Session Presenter (2005, 2006, 2007)

DrPH Steering Committee (of the ASPH Education Committee) (2006-2009)

DrPH Concept Identification and Specification Task Force (2008)

American Public Health Association

Abstract Reviewer, 2007 National Meeting

B. Institutional Standing Committees and Activities

The University of Texas Health Science Center at Houston
Animal Welfare Committee (1994-2011)
Chair (2005- August 31, 2011)
Vice-Chairperson (1996-2005)

The University of Texas Health Science Center at Houston
Center for Laboratory Animal Management and Care Financial Oversight Committee
(2006-2011)

The University of Texas Health Science Center at Houston
Center for Clinical and Translational Science
Training Board Member (2006-2010)
Engine of Innovation Member (2007-2010)

The University of Texas Health Science Center at Houston
Southern Association of Colleges and Schools
Quality Enhancement Program Committee Member (2008-2009)

The University of Texas Health Science Center at Houston
Academic Council, 2003-2009

Postdoctoral Certificate Program Advisory Committee, 2006-2007

Core Committee for the Advancement of Women and Minorities (2001-2004)

C. Institutional Ad Hoc Committees

The University of Texas Health Science Center at Houston
Southern Association of Colleges and Schools
Compliance Team Member, 2008-2009
Institutional Assessment Committee Member (2008-2009)

The University of Texas Health Science Center
Research Day Poster Review Committee, 2007

School of Nursing Search Committee for Executive Associate Dean, 2005

Center for Laboratory Animal Medicine and Care Search Committee for Staff
Veterinarian, 2005

The University of Texas Health Science Center
Endowment Compliance Committee (2002-2003)

D. Departmental/School Committees and Activities

Community Health Practice Faculty Search Committee, 2012-2013

Center for Infectious Diseases Faculty Search Committee, 2012

Academic Conflict Committee, 2012, 2013

SPH Schoolwide Curriculum Committee, 2010-present

Co-Chair, EOHS Curriculum Committee, September, 2012 -- present

Chair, Mock Site Review Group, November 8-9, 2011

PRIME Award Committee (2009)

Pilot Funding Award Committee (2009)

Bridge Funding Award Committee (2009)
EOHS Curriculum Redevelopment Committee, Chair (2009-2012)
Culminating Experience Exam Committee (November 2009-April 2010)
EOHS Research Strategic Planning Committee (2006)
Steering Committee for Dental Branch Training Grant (September, 2002-2005)
SPH Organizational Concept Committee (2002)
Director, Center for Infectious Diseases (2000-2002)
Facilities Master Plan—Laboratory Users Group, Chair (1999)
Laboratory Infrastructure Task Force, Chair (1999)
Building Renovation Steering Committee (1999)
Acting Director, Center for Infectious Diseases (1995-2000)
Faculty Research Symposium Organizing Committee (1996)
Faculty Affairs Committee (1995-1996)
Admissions Committee (1995-1996)
Dean’s Advisory Council (1995-1996)
Co-Convener, Biological Sciences (1994-1996)
Distance Education Task Force (1994-1995)
James H. Steele/R.W. Johnson Visiting Professor Selection Committee (1994-2008)

VI. COMMUNITY SERVICE INFORMATION

A. Educational or Voluntary Health Organization Participation (since 2000)

Invited talk, “The Science of Sexual Orientation”, From Talk to Action: Empowering Schools to Support Adolescent Sexual Health, June 12, 2013.

Interview, “Texas Now Leads 16 States In *Cyclospora* Outbreak; Local Cases Confirmed”, KUHF Houston Public Radio, August 7, 2013 (Broadcast August 8).

Invited talk, “The Science of Sexual Orientation—Part III”, PFLAG Houston, August 5, 2012.

Invited talk, “The Science of Sexual Orientation—Part II”, PFLAG Houston, February 26, 2012.

Interview, “Kissing Bug Disease”, Doctor Radio talk show, Sirius Satellite Radio, March 29, 2012.

Live radio interview, “Kissing Bug Disease”, WOAI Newsradio, San Antonio, TX, March 23, 2012

Interview (on camera), “Kissing Bug Disease”, Channel 39, Houston, TX.

Live radio interview, “Kissing Bug Disease”, KURV Newsradio, McAllen, TX, March 23, 2012.

Invited talk, “Microbiology and Public Health Careers”, Waltrip High School (Mary Gibson, teacher), morning and afternoon classes, March 9, 2012.

Interview, “Seasonal Colds and the Flu”, The Houston Chronicle, November 16, 2011

Invited talk, “Waterborne Infections: Bridging Troubled Waters”, Houston Department of Health and Human Services Leadership Meeting, September 13, 2011

Invited talk, “The Science of Sexual Orientation—Part I”, PFLAG Houston, September 11, 2011.

Interview (radio), *Brain-eating amoeba*:

- WOAI Newsradio 1200 (Steve Solis, taped), Brownsville, TX, August 24, 2011
- KURV (Tim Sullivan, live), McAllen, TX, August 25, 2011
- Sirius Satellite Radio (Dr. Nieca Goldberg, MD, live call in), national coverage, August 25, 2011—replayed multiple times through August 28, 2011.

Interview (on camera), KHOU Channel 11, *Investigative Report on Health Risks in Public Swimming Pools*, aired September, 2010.

Yuck! Poolside Parasites, Article published in UTHSC “Health Leader”, republished Summer, 2010

Interview, “Chagas’ Disease”, San Antonio Express News, 2009

Invited talk, “Germs, Germs Everywhere: Is Anyone Safe?”, ExxonMobil Corp., Houston, September 21, 2007.

Cryptosporidium Exists in Water, reprinted by Health Hokkaido, Health Information for the People of Japan, www.healthhokkaido.com, 2007 from The University of Texas Health Science Center at Houston, Health Leader.

Interviewed by Claudia Feldman, “Ever hear of giardiasis?”, Houston Chronicle, August 22, 2005.

Invited lecture, “Life Cycle of *Cryptosporidium*”, Spring Woods High School, Medical Microbiology and Pathophysiology Distance Learning Course, September 15, 2004.

Invited talk, “Chagas’ Disease: An Emerging Disease in Texas?”, Houston Department of Health and Human Services, Bureau of Epidemiology, January 20, 2005

Film, “The Biology of Homosexuality”, directed by Sara Fernandez and produced by PFLAG, August-October, 2005.

Invited talk, “The Biological Basis of Human Sexual Orientation”:

- Parents and Friends of Lesbians and Gays (PFLAG), Houston Chapter, May 4, 2008
- Freedom to Marry Week, Law Center, University of Houston, February 14, 2008
- Freedom to Marry Week, Law Center, University of Houston, February 15, 2007
- UT Medical School Gay-Straight Alliance, September 11, 2006
- Series on Homosexuality, St. Peter’s United Methodist Church, October 21, 2005
- Parents and Friends of Lesbians and Gays (PFLAG), August 21, 2005
- GLBT Association, MD Anderson Cancer Center, July 21, 2005
- Parents and Friends of Lesbians and Gays (PFLAG), February 6, 2005
- Family Services of Greater Houston (therapists), January 14, 2005
- St. Philip’s Presbyterian Church, September 13, 2004
- Christian Education Commission, New Hope Lutheran Church, May 9, 2004
- Memorial Drive United Methodist Church, November 2, 2004
- Parents and Friends of Lesbians and Gays (PFLAG), January 4, 2004.

Yuck! Poolside Parasites, Article published in UTHSC "Health Leader", July 26, 2004

Lecturer, Houston Baptist University, *Cryptosporidium*, October 11, 2002.

Telephone interview, *UT-Health Leader*, on line consumer service magazine, Vaccines and Childhood Immunization, August 1, 2002.

Cryptosporidium: Bridging Troubled Waters, Texas Department of Health Quarterly CME Conference, "Perspectives in Public Health; TDH Quarterly CME Conference - Hot Topics in Public Health", Houston, Texas, June 14, 2002.

Speaker and panelist, "Women in Research", Women's Resource Center, Rice University, March 20, 2001.

Lecturer (ITV) and participant, Distance Learning Microbiology and Pathophysiology Project, Spring Branch Independent School District, Distance Learning Project 2000 (PI: Gilbert Castro, PhD), March 28 & 30, 2001.

Lecturer (ITV) and participant, Distance Learning Microbiology and Pathophysiology Project, Spring Branch Independent School District, Distance Learning Project 2000 (PI: Gilbert Castro, PhD), Spring, 2000.

B. Consultations

Paid consultations

Reviewer, *Technical and Regulatory Support for the Development of Water Media (Human Health—Microbiology Emphasis*, ICF, Inc. (contractor for Environmental Protection Agency), May-July, 2010.

Subject Matter Expert and Reviewer, *Bioterrorism Risk Assessment*, Battelle, Inc., contractor for National Biodefense Analysis and Countermeasures Center, Department of Homeland Security, January – March, 2010.

Reviewer, Technical document *Enteric Protozoa: Giardia and Cryptosporidium*, Water, Air and Climate Change Bureau, Health Canada, February 18 – March 18, 2008.

Unpaid consultations

Expert opinion (telephone consultation), *Amebiasis in Angola*, Dr. Doug Patron, Medical Director, Baker-Hughes, Inc. April, 2007.

Expert opinion (telephone consultation), *Cryptosporidium in Sifaka family*, Houston Zoological Gardens, April, 2010.

Service provided, *Laboratory testing for Cryptosporidium*, Houston Zoological Gardens, July 2004.

Expert opinion (Telephone consultation), Quintiles, *Assessment of market potential for drug; active against B. hominis, Entamoeba and C. difficile*. December 17, 2003.

Expert opinion (Telephone consultation), *Chagas Disease*, Texas Department of Health, November 20, 2003.

C. Other Pertinent Information Not Given Above

U.S. Patent Serial 5,384,244 for "Peptide and Method of Use for Detection of *Schistosomiasis*", issued January 24, 1995.