

CURRICULUM VITAE
9/2016
Lola V. Stamm, Ph.D.

Present Address: Department of Epidemiology
3302 Michael Hooker Research Center
Gillings School of Global Public Health
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7435

Telephone: 919-966-3809 (Office)

Area of Study: Emerging/Re-emerging Infectious Diseases

Present Position: Associate Professor, Department of Epidemiology
University of North Carolina at Chapel Hill

EDUCATION:

1970-1974 Salem College (Salem International University),
Salem, West Virginia, B.S. Biology/Chemistry

1974-1977 West Virginia University, Morgantown, West Virginia,
M.S. Medical Microbiology

1977-1979 West Virginia University, Morgantown, West Virginia,
Ph.D. Medical Microbiology

1979-1982 University of North Carolina at Chapel Hill,
Department of Microbiology & Immunology, Postdoctoral
Training, Microbial Pathogenesis & Molecular Biology

PROFESSIONAL EXPERIENCE:

1982-1985 University of North Carolina at Chapel Hill,
Department of Microbiology & Immunology,
Research Associate

1985-1990 University of North Carolina at Chapel Hill,
Department of Parasitology & Laboratory Practice,
Assistant Professor

1990-1992 University of North Carolina at Chapel Hill,
Department of Epidemiology, Assistant Professor

1992-Present University of North Carolina at Chapel Hill,
Department of Epidemiology, Associate Professor

EDUCATIONAL FUNDING:

College: Full Academic Scholarship (Salem College 1970-1974)

Graduate School: Teaching Assistantship (WVU Aug. 1974-Dec. 1978)

Postdoctoral: NIAID-NIH Training Grant (UNC Nov. 1979-Jul. 1981)
NIH Individual Fellowship (UNC Aug. 1981-Oct. 1982)

SCHOLARLY ACTIVITIES:

M.S. Thesis: Sensitivity of Leptospira to Ultraviolet Radiation
and Mitomycin C. 1977. West Virginia University

Ph.D. Dissertation: An Investigation of the Leptospira interrogans
Serovar pomona Hemolysin. 1979. West Virginia
University

JOURNAL PUBLICATIONS:

- Stamm**, L.V. and N.W. Charon. 1979. Plate assay for detection of Leptospira interrogans serovar pomona hemolysin. J. Clin. Microbiol. 10:590-592.
- Stamm**, L.V., J.D. Folds, and P.J. Bassford, Jr. 1982. Expression of Treponema pallidum antigens in Escherichia coli K12. Infect. Immun. 36:1238-1241.
- Stamm**, L.V. and P.J. Bassford, Jr. 1982. Cloning and expression of Treponema pallidum protein antigens in Escherichia coli. DNA 1:329-333.
- Stamm**, L.V., T.C. Kerner, Jr., V.A. Bankaitis, and P.J. Bassford, Jr. 1983. Identification and preliminary characterization of Treponema pallidum protein antigens expressed in Escherichia coli. Infect. Immun. 41:709-721.
- Nunes-Edwards, P.L., A.B. Thiermann, P.J. Bassford, Jr., and L.V. **Stamm**. 1985. Identification and characterization of the protein antigens of Leptospira interrogans serovar hardjo. Infect. Immun. 48:492-497.
- Stamm**, L.V. and P.J. Bassford, Jr. 1985. Cellular and extracellular protein antigens of Treponema pallidum synthesized during in vitro incubation of freshly extracted organisms. Infect. Immun. 47:799-807.
- Stapleton, J.T., L.V. **Stamm**, and P.J. Bassford, Jr. 1985. The potential for the development of antibiotic resistance in the pathogenic treponemes. Rev. Infect. Dis. 7:S314-S317.
- Dallas, W.S., P.H. Ray, J. Leong, C.D. Benedict, L.V. **Stamm**, and P.J. Bassford, Jr. 1987. Identification and purification of a recombinant Treponema pallidum basic membrane protein antigen expressed in Escherichia coli. Infect. Immun. 55:1106-1115.
- Norris, S.J., J.F. Alderete, N.H. Axelsen, M.J. Bailey, S.A. Baker-Zander, J.B. Baseman, P.J. Bassford, Jr., R.E. Baughn, A. Cockayne, P.A. Hanff, P. Hindersson, S.A. Larsen, M.A. Lovett, S.A. Lukehart, J.N. Miller, M.A. Moskophidis, F. Muller, M.V. Norgard, C.W. Penn, L.V. **Stamm**, J.D. van Embden, and K. Wicher. 1987. Identity of Treponema pallidum subsp. pallidum polypeptides: Correlation of sodium dodecyl sulfate-polyacrylamide gel electrophoresis results from different laboratories. Electrophoresis. 8:77-92.
- Stamm**, L.V., R.L. Hodinka, P.B. Wyrick, and P.J. Bassford, Jr. 1987. Changes in the cell surface properties of Treponema pallidum that occur during in vitro incubation of freshly extracted organisms. Infect. Immun. 55:2255-2261.
- Stamm**, L.V. and N.W. Charon. 1988. Sensitivity of pathogenic and free-living Leptospira to ultraviolet radiation and mitomycin C. Appl. Environ. Microbiol. 54:728-733.
- Stamm**, L.V., J.T. Stapleton, and P.J. Bassford, Jr. 1988. In vitro assay to demonstrate high-level erythromycin resistance of a clinical isolate of Treponema pallidum. Antimicrob. Agents Chemother. 32:164-169.
- Stamm**, L.V., W.S. Dallas, P.H. Ray, and P.J. Bassford, Jr. 1988. Identification, cloning, and purification of Treponema pallidum protein antigens. Rev. Infect. Dis. 10:S403-S407.
- Stamm**, L.V. and E.A. Parrish. 1990. In-vitro activity of azithromycin and CP-63,956 against Treponema pallidum. J. Antimicrobial Chemother. 25:S11-14.
- Gherardini, R.C., M.H. Hobbs, L.V. **Stamm**, and P.J. Bassford, Jr. 1990. Complementation of an Escherichia coli proC mutation by a gene cloned from Treponema pallidum. J. Bacteriol. 172:2996-3002.

- Stamm**, L.V., E.A. Parrish, and F.C. Gherardini. 1991. Cloning of the recA gene from a free-living leptospire and distribution of RecA-like protein among spirochetes. *Appl. Environ. Microbiol.* 57:183-189.
- Stamm**, L.V., F.C. Gherardini, E.A. Parrish, and C.R. Moomaw. 1991. Heat shock response of spirochetes. *Infect. Immun.* 59:1572-1575.
- Hubbard, C.L., F.C. Gherardini, P.J. Bassford, Jr., and L.V. **Stamm**. 1991. Molecular cloning and characterization of a 35.5 kilodalton lipoprotein of Treponema pallidum. *Infect. Immun.* 59:1521-1528.
- Keen, M.G., L.V. **Stamm**, and P.J. Bassford, Jr. 1992. Susceptibility of Treponema pallidum and other selected spirochetes to zidovudine. *J. Antimicrob. Chemother.* 29:447-453.
- Hindersson, P., D. Thomas, L. **Stamm**, C. Penn, S. Norris, and L.A. Joens. 1992. Interaction of spirochetes with the host. *Res. Microbiol.* 143:629-639.
- Norris S.J. and the Treponema pallidum Polypeptide Research Group. 1993. Polypeptides of Treponema pallidum: Progress toward understanding their structural, functional and immunological roles. *Microbiol. Rev.* 57:750-759.
- Stamm**, L.V. and E.A. Parrish. 1994. Characterization of the low molecular mass proteins of virulent Treponema pallidum. *Infect. Immun.* 62:271-279.
- Schmitz, J., K.S. Gertis, C. Mauney, L.V. **Stamm**, and J.D. Folds. 1994. Laboratory diagnosis of congenital syphilis by IgM and IgA Western blotting. *Clin. Diag. Lab. Immunol.* 1:32-37.
- Hardham, J.M. and L.V. **Stamm**. 1994. Identification and characterization of the Treponema pallidum tpn50 gene: an ompA homolog. *Infect. Immun.* 62:1015-1025.
- Hardham, J.M., J.G. Frye, and L.V. **Stamm**. 1995. Identification and sequences of the Treponema pallidum fliM', fliY, fliP, fliQ, fliR and flhB' genes. *Gene* 166:57-64.
- Stamm**, L.V., J.G. Frye, and J.M. Hardham. 1995. Sequence of the Leptospira biflexa serovar patoc recA gene. *Gene* 167:339-340.
- Stamm**, L.V., J.M. Hardham, and J.G. Frye. 1996. Expression and sequence analysis of a Trepanema pallidum gene tpn38(b), encoding an exported protein with homology to T. pallidum and Borrelia burgdorferi proteins. *FEMS Microbiol. Lett.* 135:57-63.
- Stamm**, L.V., N.R. Young, and J.F. Frye. 1996. Sequences of the Salmonella typhimurium mglA and mglC genes. *Gene* 171:131-132.
- Stamm**, L.V., N.R. Young, J.G. Frye, and J. M. Hardham. 1996. Identification and sequences of the Treponema pallidum mglA and mglC genes. *DNA Sequence* 6:293-298.
- Hardham, J.M., J.G. Frye, N.R. Young, and L.V. **Stamm**. 1997. Identification and sequences of the flhA, flhF, and orf304 genes of Treponema pallidum. *DNA Sequence* 7:107-116.
- Greene, S.R., L.V. **Stamm**, J.M. Hardham, N.R. Young, and J.G. Frye. 1997. Identification, sequences, and expression of Treponema pallidum chemotaxis genes. *DNA Sequence* 7:267-284.
- Stamm**, L.V. and N.R. Young. 1997. Nucleotide sequence of the Treponema pallidum eno gene. *DNA Sequence* 7:261-265.

- Stamm**, L.V., S.R. Greene, and N.Y. Barnes. 1997. Identification and characterization of the gyrB gene from Treponema pallidum. FEMS Microbiol. Lett. 153:129-134.
- Stamm**, L.V. and N.Y. Barnes. 1997. Nucleotide sequences of the proA and proB genes of Treponema pallidum, the syphilis agent. DNA Sequence 8:63-70.
- Hardham, J.M., L.V. **Stamm**, S.F. Porcella, J.G. Frye, N.Y. Barnes, J.K. Howell, S.L. Mueller, J. D. Radolf, G.W. Weinstock, and S.J. Norris. 1997. Identification and transcriptional analysis of a Treponema pallidum operon encoding a putative ABC transport system, an iron-activated repressor protein homolog, and a glycolytic pathway enzyme homolog. Gene. 197:47-64.
- Stamm**, L.V., S. R. Greene, N.Y. Barnes, H. L. Bergen, and J. M. Hardham. 1997. Identification and characterization of a Treponema pallidum subsp. pallidum gene encoding a DNA adenine methyltransferase. FEMS Microbiol. Lett. 155:115-119.
- Greene, S.R. and L.V. **Stamm** 1997. Identification, sequence, and expression of Treponema denticola mcpA, a putative chemoreceptor gene. FEMS Microbiol Lett. 157:245-249.
- Greene, S.R. and L.V. **Stamm**. 1998. Molecular characterization of Treponema pallidum mcp2, a putative chemotaxis protein gene. Infect. Immun. 66: 2999-3002
- Stamm**, L.V., S.R. Greene, H.L. Bergen, J.M. Hardham and N.Y. Barnes. 1998. Identification and sequence analysis of Treponema pallidum tprJ, a member of a polymorphic multigene family. FEMS Microbiol Lett. 169:155-163.
- Greene, S.R. and L.V. **Stamm**. 1999. Molecular characterization of a chemotaxis operon in the oral spirochete, Treponema denticola. Gene. 232:59-68.
- Stamm**, L.V. and H.L. Bergen. 1999. Molecular characterization of a flagellar (fla) operon in the oral spirochete Treponema denticola ATCC 35405. FEMS Microbiol. Lett. 179:31-36.
- Stamm**, L.V. and H.L. Bergen. 2000. A point mutation associated with bacterial macrolide resistance is present in both 23S rRNA genes of an erythromycin resistant Treponema pallidum clinical isolate. Antimicrob. Agents Chemother. 44: 806-807.
- Greene, S.R. and L.V. **Stamm**. 2000. Molecular characterization of the gyrB region of the oral spirochete, Treponema denticola. Gene. 253:259-269.
- Stamm**, L.V. and H.L. Bergen. 2000. The sequence-variable, single-copy tprK gene of Treponema pallidum Nichols strain UNC and Street strain 14 encodes heterogeneous TprK proteins. Infect. Immun. 68:6482-6486.
- Stamm**, L.V, H.L. Bergen, and K.A. Shangraw. 2001. Natural rifampin resistance in Treponema spp. correlates with presence of N531 in RpoB Rif cluster 1. Antimicrob. Agents Chemother. 45:2973-2974.
- Stamm**, L.V. and H.L. Bergen. 2001. Molecular characterization of the Treponema denticola fliQ region. DNA Sequence 12:463-467.
- Stamm**, L.V., H.L. Bergen, and R.L. Walker. 2002. Molecular typing of papillomatous digital dermatitis-associated Treponema isolates based on analysis of 16S-23S ribosomal DNA intergenic spacer regions. J. Clin. Microbiol. 40:3463-3469.

- McDowell, J.V., J. Lankford, L. **Stamm**, T. Sadlon, D.L. Gordon, and R.T. Marconi. 2005. Demonstration of factor H-like protein 1 binding to Treponema denticola, a pathogen associated with periodontal disease in humans. *Infect. Immun.* 73:7126-7132.
- McDowell, J.V., J. Frederick, L. **Stamm**, and R.T. Marconi. 2007. Identification of the gene encoding the FhbB protein of Treponema denticola, a highly unique factor H-like protein I binding protein. *Infect. Immun.* 75:1050-1054.
- Stamm**, L.V., R.L. Walker, and D. H. Read. 2009. Genetic diversity of bovine ulcerative mammary dermatitis-associated Treponema. *Vet. Microbiol.* 136: 192-196.
- Stamm**, L.V. 2010. Role of TLR4 in the host response to Vibrio vulnificus, an emerging pathogen. *FEMS Immunol. Med. Microbiol.* 58: 336-343.
- Stamm**, L.V. 2010. The global challenge of antibiotic-resistant Treponema pallidum. *Antimicrob. Agents Chemother.* 54: 583-589.
- Stamm**, L.V. and B. Mudrak. 2013. Old foes, new challenges: syphilis, cholera and TB. *Future Microbiol.* 8: 177-189.
- Stamm**, L.V. and R. L. Drapp. 2014. A synthetic lymph node containing inactivated Treponema pallidum cells elicits strong, antigen-specific humoral and cellular immune responses in mice. *Pathogens Dis.* 70: 88-94.
- Stamm**, L.V. and R.L. Drapp. 2014. TLR2 and TLR4 mediate the TNF α response to Vibrio vulnificus biotype 1. *Pathogens Dis.* 71: 357-361.
- Stamm**, L.V. 2014. Progress in treatment and diagnosis of yaws: hope for eradication? *Lancet Glob. Health* 2: e369-370
- Stamm**, L.V. 2014. Yaws- Renewed hope for eradication. *JAMA Dermatol.* 150: 933-934.
- Stamm**, L.V. 2015. Syphilis: Antibiotic treatment and resistance. *Epidemiol. Infect.* 143: 1567-1574.
- Stamm**, L.V. 2015. Smallpox: Redux? *JAMA Dermatol.* 151: 13-14.
- Stamm**, L.V. 2015. Chikungunya- Emerging threat to the United States. *JAMA Dermatol.* 151: 257-258.
- Stamm**, L.V. 2015. Yaws: 110 years after Castellani's discovery of Treponema pallidum subspecies pertenue. *Am. J. Trop. Med. Hyg.* 93(1): 4-6.
- Stamm**, L.V. 2015. Ebola virus disease: Rapid diagnosis and timely case reporting are critical to the early response. *Am. J. Trop. Med. Hyg.* 93(3): 438-440.
- Stamm**, L.V. 2015. Pinta: Latin America's forgotten disease? *Am. J. Trop. Med. Hyg.* 93(5): 901-903.
- Stamm**, L.V. 2016. Syphilis: Re-emergence of an old foe. *Microb. Cell* 3(9): 363-370.
- Stamm**, L.V. 2016. Human migration and leishmaniasis- On the move. *JAMA Dermatol.* 152(4): 373-374.

Noda, A.A., N. Matos, O. Blanco, I. Rodriguez, and L.V. Stamm. 2016. First report of the 23S rRNA gene A2058G point mutation associated with macrolide resistance in Treponema pallidum from syphilis patients in Cuba. Sex. Transm. Dis. 43(5): 332-334.

Stamm, L.V. 2016. Zika virus in the Americas - An obscure arbovirus comes calling. JAMA Dermatol. 152(6): 621-622.

Stamm, L.V. 2016. Flies and yaws: Molecular studies provide new insight. EBioMedicine. In Press.

Rodriguez I., A.A. Noda, K. Ale, and L.V. Stamm. 2016. The Cuban experience in the elimination of mother-to-child transmission of congenital syphilis. Amer. J. Pub. Heal. 106(11): In Press.

Stamm, L.V. 2016. Elimination of mother-to-child transmission of syphilis in the Americas - a goal that must not slip away. Sex. Transm. Dis. Submitted.

BOOK CHAPTERS & OTHER PUBLICATIONS:

Stamm, L.V. Chapter 11. Antibiotic Resistance in Treponema pallidum subsp. pallidum, the Syphilis Agent. In: The Pathogenic Spirochetes: Strategies for evasion of host immunity and persistence. 2012. M.E. Embers (Ed.) Springer. New York, N.Y.

Stamm, L.V. and D.J. Trott. Treponema and Bovine Skin Disease: Papillomatous Digital Dermatitis and Ulcerative Mammary Dermatitis. In: Pathogenic Treponema- Molecular and Cellular Biology. 2006. J.D. Radolf and S.A. Lukehart (Eds.). Caister Academic Press. Norfolk, U.K.

Stamm, L.V. Syphilis. In: McGraw-Hill Encyclopedia of Science and Technology. 9th Ed. 2002. 20 Volume Set. McGraw-Hill, N.Y

Stamm, L.V. Chapter 85. Treponema pallidum. In: Molecular Medical Microbiology. 1st Ed. 2001. 3 Volume Set. M. Sussman (Ed.) Academic Press, London, U.K.

Stamm, L.V. Chapter 33. Biology of Treponema pallidum. In: Sexually Transmitted Diseases. 3rd Ed. 1999. K. K. Holmes, P. F. Sparling, P-A. Mardh S.M. Lemon, W.E. Stamm, P. Piot, and J. N. Wasserheit (Eds.), McGraw-Hill, N.Y.

Greene, S.R. and L.V. Stamm. 1998. Isolation of spirochete DNA using the Wizard Genomic DNA purification kit. Promega Notes 68:30.

Stamm, L.V. and P.J. Bassford, Jr. 1989. Antibiotic resistance in Treponema pallidum. Alliance for the Prudent Use of Antibiotics (APUA) Newsletter. 7:1-3.

Over 20 Published Abstracts from Scientific Meetings

PROFESSIONAL SOCIETIES:

American Society for Microbiology (ASM)
Delta Omega Honorary Public Health Society (Theta Chapter)

RESEARCH SUPPORT:

NIH - National Research Service Award (NRSA). Cloning of T. pallidum DNA Coding for Surface Immunogens. Individual postdoctoral fellowship to L.V. Stamm. 8/81 - 10/82.

USDA - NRICGP- Expression of Leptospira interrogans Surface Proteins in E. coli K-12. P. I. - P. J. Bassford, Jr. Research Associate - L. V. Stamm, 9/82 - 8/85. (Grant written and project directed by LVS).

Burroughs Wellcome Co.- Research Support Grant. Cloned Protein Antigens of T. pallidum. P.J. Bassford, Jr. and L. V. Stamm. 10/83-1/86.

UNC - University Research Council Grant - Identification and Characterization of Antibody-Accessible Cell Surface Protein Antigens of Treponema pallidum. L. V. Stamm. 12/85 - 12/87.

NIH - Identification and Cloning of Key T. pallidum Proteins. PI - P.J. Bassford, Jr. 8/82 - 7/90. Research Associate/Co-P.I.-L.V. Stamm - 15% Time. 8/82 - 7/87.

NIH - First Independent Research Support and Transition Award (FIRST) - Surface and Extracellular Protein Antigens of T. pallidum. PI - L.V. Stamm - 50% Time. 7/87 - 6/92. (Extended to 6/93).

NIH - North Carolina Program on Sexually Transmitted Diseases, Project 5 - Physiology of Treponema pallidum. PI - P.J. Bassford, Jr.; Co-PI - L.V. Stamm - 15% Time. 7/88 - 6/91.

Pfizer, Inc. Research Grant - Determination of the Efficacy of the Macrolide Antibiotics Azithromycin and CP-63,956 Against T. pallidum by an In Vitro Assay. L.V. Stamm. 5% Time. 7/88 - 11/88.

University of North Carolina - Junior Faculty Development Award - Identification and Characterization of B. burgdorferi Cell Surface Proteins. L.V. Stamm. 1/1/90 - 12/31/90.

Burroughs Wellcome Co. - Research Grant. Activity of zidovudine (AZT) and 566C on T. pallidum in vivo. L.V. Stamm. 1990.

North Carolina Biotechnology Center - Antibody Accessible Cell Surface Proteins of Virulent B. burgdorferi: Identification and Evaluation of Vaccine Potential. L.V. Stamm. 10% time. 6/1/90 - 11/31/91. (Extended to 11/92).

NIH - N.C. Sexually Transmitted Diseases Cooperative Research Center - Project 4 - Molecular Studies of Treponema pallidum. PI - L.V. Stamm. 30% Time. 7/1/91 - 6/30/95.

NIH - N.C. Sexually Transmitted Diseases Cooperative Research Center - Project 4 - Molecular Studies of T. pallidum Physiology. PI - L.V. Stamm. 25% Time. 7/1/95 - 8/30/99.

NIH - Training in Sexually Transmitted Diseases and AIDS. PI - P. Frederick Sparling. Mentor - L.V. Stamm. 5% Time. 7/1/95 - 6/30/00.

UNC - Carolina Minority Postdoctoral Scholars Program. Fellowship to S.R. Greene, Ph.D., Preceptor - L.V. Stamm. 7/96 - 8/98.

UNC - University Research Council Grant - Molecular Studies of the Chemotaxis System of Treponema denticola, a Periodontal Pathogen. L.V. Stamm. 12/1/97 - 11/30/99.

Hoechst Marion Roussel - Evaluation of the Efficacy of a New Macrolide Antibiotic (Ketolide) Against T. pallidum (Syphilis agent) Using an In Vitro Assay. PI - L.V. Stamm. 10% Time 4/99 - 2/00.

NIH - N.C. Sexually Transmitted Diseases Cooperative Research Center - Project 4 - Molecular Studies of the T. pallidum tprJ, tprG, and tprE Genes. PI - L.V. Stamm. 25% Time. 9/1/99 - 8/31/04.

NIH - Training in Sexually Transmitted Diseases and AIDS. PI - P. Frederick Sparling. Mentor - L.V. Stamm. 0-5% Time. 7/1/00 - 6/30/10.

NIH - RO3 - Toll-like Receptors and Host Response to Vibrio vulnificus, an Emerging Pathogen. PI - L. V. Stamm. 10% Time. 6/1/10-5/31/13.

UNC - University Research Council Grant - A Novel Approach to Syphilis Vaccine Development. L.V. Stamm. 12/1/11-11/30/13.

TEACHING:

Public Health Bacteriology (PALP 150) - Course Director, Spring 1986; Fall 1986, Fall 1987, Fall 1988, and Fall 1989. Lecture and Laboratory. 4 credit hours.

Public Health Microbiology (EPID 141)- Co-Director, Spring 1992. 11 Lectures. 3 credit hours.

Guest Lecturer - Microbial Pathogenesis (Micro 120). Spring 1992.

Infectious Disease Program Seminar (Epid 302) - Co-Director, Spring 1994. 1 credit hour.

Public Health Microbiology (Epid 215) - Co-Director, Spring 1994. 11 Lectures. 4 credit hours.

Public Health Microbiology (Epid 215) - Co-Director, Spring 1995. 13 Lectures. 4 credit hours.

Infectious Disease Program Seminar (Epid 302) - Participant and Discussant, Spring and Fall 1995. 1 credit hour.

Infectious Disease Epidemiology and the Health of the Public (Epid 140-8). Fall 1995. 2 Lectures. 3 credit hours.

Public Health Microbiology (Epid 215) - Co-Director, Spring 1996. 13 Lectures. 4 credit hours.

Molecular Epidemiology Techniques (Epid 141) - Guest Lecturer, Spring 1996. 1 Lecture, 1 Discussion Session. 2-3 credit hours

Infectious Disease Program Seminar (Epid 302) - Participant and Discussant, Spring and Fall 1996. 1 credit hour.

Epidemiology Laboratory Practicum (Epid 359L) Spring 1996. 1 credit hour.

Infectious Disease Epidemiology and the Health of the Public (Epid 120). Fall 1996. 2 Lectures. 3 credit hours.

Public Health Microbiology (Epid 215) - Co-Director, Spring 1997. 12 Lectures. 4 credit hours.

Molecular Epidemiology Techniques (Epid 141) - Guest Lecturer, Spring 1997. 2 Lectures; 2 Discussion Sessions; 1 laboratory session. 2-3 credit hours.

Infectious Disease Program Seminar (Epid 302) - Participant and Discussant, Spring and Fall 1997. 1 credit hour.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 1997.

Infectious Disease Epidemiology and the Health of the Public (Epid 120). Fall 1997. 2 Lectures. 3 credit hours.

Public Health Microbiology (Epid 215) - Course Director, Spring 1998. 12 Lectures. 4 credit hours.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 1998.

Molecular Epidemiology Techniques (Epid 120) - Guest-Lecturer, Spring 1998. 2 lectures; 2 Discussion Sessions; 1 laboratory session. 2-3 credit hours.

Infectious Disease Program Seminar (Epid 302) - Participant and Discussant, Spring 1998. 1 credit hour.

Teaching Internship (Epid 257) - Spring 1998. 2 credit hours.

Infectious Disease Epidemiology and the Health of the Public (Epid 120) - Fall 1998. 2 Lectures. 3 credit hours.

Emerging and Re-emerging Infectious Diseases (Epid 215) - Course Director, Spring 1999. 13 Lectures. 4 credit hours.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 1999.

Molecular Epidemiology Techniques (Epid 230) - Guest Lecturer, Spring 1999. 2 Lectures. 2 Discussion Sessions. 2-3 credit hours.

Infectious Disease Program Seminar (Epid 302) - Participant and Discussant, Spring 1999. 1 credit hour.

Emerging and Re-emerging Infectious Diseases (Epid 215) - Course Director, Spring 2000. 13 Lectures. 4 credit hours.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 2000.

Molecular Epidemiology Techniques (Epid 230) - Guest Lecturer, Spring 2000. 2 Lectures. 2 Discussion Sessions. 2-3 credit hours.

Infectious Disease Program Seminar (Epid 302) - Participant and Discussant, Spring 2000. 1 credit hour.

Emerging and Re-emerging Infectious Diseases (Epid 215) - Course Director, Spring 2001. 13 Lectures. 4 credit hours.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 2001.

Molecular Epidemiology Techniques (Epid 230) - Guest Lecturer, Spring 2001. 2 Lectures. 1 Discussion Session. 2-3 credit hours.

Infectious Disease Program Seminar (Epid 302) - Participant and Discussant, Spring 2001. 1 credit hour.

Emerging and Re-emerging Infectious Diseases (Epid 215) - Course Director, Spring 2002. 13 Lectures. 4 credit hours.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 2002.

Molecular Epidemiology Techniques (Epid 230) - Guest Lecturer, Spring 2002. 2 Lectures. 1 Discussion Session. 2-3 credit hours.

Infectious Disease Program Seminar (Epid 302) - Participant and Discussant, Spring 2002. 1 credit hour.

Emerging and Re-emerging Infectious Diseases (Epid 215) - Course Director, Spring 2003. 13 Lectures. 4 credit hours.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 2003.

Molecular Epidemiology Techniques (Epid 230) - Guest Lecturer, Spring 2003. 2 Lectures. 1 Discussion Session. 2-3 credit hours.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 2004.

Emerging and Re-emerging Infectious Diseases (Epid 215) - Course Director, Spring 2005. 13 Lectures. 4 credit hours.

Medical Microbiology (Medi 128) - Guest Lecturer. Spring 2005.

Molecular Techniques for Public Health Research (Epid 230) - Course Director. Fall 2005. 2 credit hours.

Emerging and Re-emerging Infectious Diseases (Epid 215) - Course Director, Spring 2006. 13 Lectures. 4 credit hours.

Molecular Techniques for Public Health Research (Epid 745) - Course Director. Fall 2006. 2 credit hours.

Emerging and Re-emerging Infectious Diseases (Epid 751) - Course Director, Spring 2007 & Spring 2008. 13 Lectures. 4 credit hours.

Molecular Techniques for Public Health Research (Epid 745) - Course Director. Fall 2008. 2 credit hours.

Emerging and Re-emerging Infectious Diseases (Epid 751) - Course Director, Spring 2009. 13 Lectures. 4 credit hours.

Emerging and Re-emerging Infectious Diseases (Epid 690-003) - Course Director, Spring 2010, 2011, 2012. 12 Lectures. 3 credit hours.

Emerging and Re-emerging Infectious Diseases. (Epid 751) - Course Director, Fall 2013, 2014, 2015, and 2016. 13 Lectures. 3 credit hours.

ADVISING/ MENTORING/ SUPERVISING

M.P.H. Student Advisees (Dept. Parasitology & Laboratory Practice):

Phillis Ling
John Triplett, M.D.
Joel Rubenstein
Yumiko Hayes
Robert Barlow
Danielle Laborde
Michael Watterson
Mary Whittle
Dana Garrison
Lorraine Everitt
Todd Adams

M.P.H./M.S.P.H Student Advisees (Dept. Epidemiology)

Christina Stovall - M.S.P.H.	Fall semester 1991
Alice Kulik - M.P.H.	Fall semester 1992
Brian Sebastian - M.P.H.	Completed Summer 1996
Matt Price - M.S.P.H.	Completed Fall 1999
Penelope Padgett, Ph.D. - M.P.H.	Completed Fall 1998
Abigail Wallis - M.S.P.H.	Fall semester 2000
Steven Valeika, DVM - Ph.D.	Fall semester 2002

Committee Member for Dr.P.H. Candidates (Dept. Parasitology & Laboratory Practice):

Matthew Arduino
Frances Downes
Dean Erdman
Scott Zimmerman

John Ridderhof
Wanda Jones
Roy Almeida
Terri Whitmore

Committee Member for Ph.D. Candidates:

Carol Hubbard	Advisor/Committee Chair, Dept.Parasitology
Sheila Peel	Dept. Parasitology & Laboratory Practice
Saovanna Leelayoova	Dept. Parasitology & Laboratory Practice
Vicki Mann	Dept. Parasitology & Laboratory Practice
Kaisong Fu	Dept. Parasitology & Laboratory Practice
Jessie Levine	Dept. Environmental Sciences & Engineering
Hyenmi Chung	Dept. Environmental Sciences & Engineering
John Hardham	Research Advisor & Committee Chair, Dept. Microbiology & Immunology
Marty Stebbins	N.C. State University (Veterinary School)
Fan-Chen Tseng	Dept. Epidemiology
Dana Cole	Dept. Epidemiology
Neely Kados	Dept. Epidemiology
Edith Alfano	Dept. Epidemiology
Mina Shehee	Dept. Environmental Sciences & Engineering
William Messer	Dept. Biology (Ecology Curriculum)
Carla Black	Dept. Epidemiology
Stephanie Friedman	Dept. Environmental Sciences & Engineering
Jen Murphy	Dept. Environmental Sciences & Engineering
Kimberly Blauth	Dept. Environmental Sciences & Engineering
Leigh-Anne Krometis	Dept. Environmental Sciences & Engineering
Aaron Young	Dept. Environmental Sciences & Engineering
Hee Suk Lee	Dept. Environmental Sciences & Engineering
Jen Shields	Dept. Environmental Sciences & Engineering

Committee Member for Masters Candidates:

Michael Folan	Dept. Environmental Sciences & Engineering
Kirk Huslage	Dept. Environmental Sciences & Engineering

Postdoctoral Associates

Robert Sisk, Ph.D.	February 1992 - June 1993.
Shermalyn Greene, Ph.D.	October 1995 - August 1998.
Sherrice Allen, Ph.D.	January 2001 - December 2001.

Technicians Funded and Supervised (1987 - 2012)

Eloise Parrish, M.S.
Jonathan Frye, B.S.
Natalie Young, B.S.
Heather Bergen, B.S.
Jennifer Card, B.S.
Rebecca Drapp, B.S.

Student Assistants Funded and Supervised (1995 - Present)

Larissa Shepanski	NC State University
Matt Price	UNC-CH, Dept. Epidemiology
Penelope Padgett	UNC-CH, Dept. Epidemiology
Alex Shangraw	UNC-CH, Dept. Epidemiology
Sahadev Shankarappa	UNC-CH, Dept. Health Policy & Management

UNIVERSITY COMMITTEES/SERVICE:

1986 - 1987 School of Public Health Safety Committee

1987 - 1988	Subcommittee on Teaching/Curriculum for Program in Health Promotion and Disease Prevention
1987 - 1990	School of Public Health Awards Committee
1987	Alumni Survey Committee (Department)
1987	Curriculum Development Committee (Department)
1987 - 1990	Policy and Procedures Committee (Department)
1988 - 1989	School of Public Health Infectious Disease Task Force
1988 - 1989	Search Committee for Chair for Parasitology & Laboratory Practice (Department)
1989 - Present	Controlled Substances Officer (Department)
1990 - 1994	Admissions Committee (Department)
1990 - 1992	Search Committee for Department of Epidemiology for Assistant Professor Position (Infectious Disease Program)
1992 - 1993	School of Public Health Ad Hoc Appointment and Promotions Policy Review Committee
1995 - 1996	Faculty Development Committee (Department)
1990 - 2004	Laboratory Committee (Department)
1997 - 2000	UNC Faculty Council (Alternate)
1997 - Present	Delta Omega Honary Public Health Society (Theta Chapter) - Liaison for Epidemiology
1998 - 1999	Delta Omega Theta Chapter - Secretary
1999 - 2000	Delta Omega Theta Chapter - Vice President
2003	Admissions Committee (Department)
2004-Present	Graduate Studies Committee (Department)
2006	Health Sciences Library Task Force (School)
2006-Present	GSC Faculty Chair for Student Awards (Department)
2006-2007	Judge SPH Monthly Student Poster Contest (Department/School)
2006-2007	Invited Abstract Reviewer- 8th Annual Women's Health Research Day
2006-Present	Equal Opportunity Officer (Department)
2011-Present	Kark Distinguished TA Award Committee (Department)

SERVICE & OTHER ACTIVITIES:

Research Consultant- Burroughs Wellcome Co.- Research Triangle Park, NC
4/83-12/85

Peer Reviewer for Grant Applications:

United States Department Agriculture - NRI Competitive Grants Program

North Carolina Biotechnology Center

American Social Health Association

U.S. Department of Veteran Affairs

NIAID Special Review Committee for RFA 94-AI-08-Immune Responses to Lyme Disease Infection and Vaccination. June 13-14, 1994.

NIH Special Ad Hoc Reviewer, Summer 1994.

NIAID Special Emphasis Program Project Review Panel, Fall 1998.

NIH Special Ad Hoc Reviewer BM1 Study Section, June 1999.

The Wellcome Trust (London, UK). Wellcome Programme Grant.
Spring, 2000.

The Wellcome Trust (London, UK). Wellcome Fellowship Training Grants,
Spring 2009 & Fall 2014.

Graduate Molecular Biology/Faculty Review Board Member (Salem

International University) 1995 - Present

Peer Reviewer for Scientific Journals:

Proceedings of the National Academy of Sciences (PNAS)
Journal of Bacteriology
Infection and Immunity
Journal of Clinical Microbiology
Sexually Transmitted Diseases
Emerging Infectious Diseases
Microbiology
FEMS Microbiology Letters
DNA Sequence
PLoS One
PLoS Neglected Tropical Diseases
Journal of Obstetrics and Gynecology
Veterinary Microbiology
The Veterinary Journal
The Journal of Infectious Diseases
The Lancet Global Health
The Lancet Infectious Diseases
BMC Microbiology
BMC Infectious Diseases
Menoufia Medical Journal
Future Microbiology
British Medical Bulletin
New Microbiologica
EBiomedicine

Expert- Emerging Infectious Diseases - Provided videotaped interview to LeCroy Center Dallas Co. Community College District (Dallas, TX) for *Journey to Health* video and CD-ROM based distance learning college level course (11/2002)

Expert- Infectious Diseases- Interviews to LifeScript- Website for Women's Health Issues (5/2009)

Expert- Infectious Diseases- Interview to Men's Health (2/2014)

Expert - Syphilis - Interview to National Public Radio (5/2016)

Expert - Zika Virus - Provided information to HealthDay Reporter (A. Mozes) for news story on Zika Virus (5/2016)

Expert - Zika Virus - Provided information to Reuters Health Reporter (M. Larkin) for news story on Zike Virus (5/2016)