

# Wake Forest University School of Medicine

## Curriculum Vitae

**NAME:** Christopher A. Ohl, M.D.

**CURRENT ACADEMIC TITLE:** Associate Professor of Medicine

**ADDRESS:**

BUSINESS

Wake Forest University School of Medicine  
Department of Internal Medicine  
Section on Infectious Diseases  
Medical Center Boulevard  
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**EDUCATION:**

1978 - 1982

University of Wisconsin--Eau Claire  
B.S. (Magna Cum Laude)

1982 - 1986

University of Wisconsin Medical School  
Madison, Wisconsin  
M.D

**POSTDOCTORAL TRAINING:**

1986 - 1987

Internship, Categorical Internal Medicine  
National Naval Medical Center  
Bethesda, Maryland

1990 - 1992

Residency, Internal Medicine  
National Naval Medical Center  
Bethesda, Maryland

1992 - 1994

Fellowship, Infectious Diseases  
National Naval Medical Center  
Bethesda, Maryland

1994

Walter Reed Army Institute of Research Course in  
Tropical Medicine

**UNIFORMED SERVICE:**

1982	Commissioned as Ensign in the United States Naval Reserve Medical Corps
1982	Officer Indoctrination School
1982 -1986	Four year medical school scholarship with the United States Navy Health Professions Scholarship Program
1982 -1986	Commissioned as a Lieutenant United States Naval Reserve Medical Corps
1986	"C4" Combat Casualty Care Course, San Antonio, TX
1987	Field Medical School, Camp Pendleton, California
1991	Promoted to Lieutenant Commander
1996	Promoted to Commander
1996	Released from active duty to active U.S. Navy reserve force

**UNIFORMED SERVICE:** (continued)

1998 - 2000	Officer in Charge, P0760 Naval Reserve, Naval Hospital, Camp Lejune
2001	Officer in Charge, Det PA 0623, Naval Reserve, Portsmouth Naval Hospital
2002	Promoted to Captain

**PROFESSIONAL LICENSURE:**

1987	State of Wisconsin (inactive)
1996	State of North Carolina (current) # 96-00659

**SPECIALTY CERTIFICATION**

1986	Certified in Advanced Trauma Life Support
1987	National Board of Medical Examiners Certification
1992	ABIM certification in internal medicine
1994	ABIM certification in infectious diseases
1996	ASTMH Certificate of Knowledge in Clinical Tropical Medicine and Travelers Health
1999	Recertified Advanced Cardiac Life Support instructor
2001	Recertified Basic Cardiac Life Support provider

**EMPLOYMENT:**

Academic Experience

2003 - Present	Associate Professor of Medicine Wake Forest University School of Medicine Winston-Salem, North Carolina
2000 – 2003	Assistant Professor of Medicine Wake Forest University School of Medicine Winston-Salem, North Carolina
1996 - 1999	Assistant Professor of Medicine East Carolina University School of Medicine Greenville, NC

**EMPLOYMENT:** (continued)

Academic Experience

1996	Head, HIV Evaluation and Treatment Unit National Naval Medical Center Bethesda, Maryland
1994 - 1996	Assistant Head HIV Evaluation and Treatment Unit National Naval Medical Center Bethesda, Maryland
1994 - 1996	Attending Faculty/Staff Infectious Diseases and Internal Medicine National Naval Medical Center Bethesda, Maryland
1994 - 1996	Assistant Professor of Medicine Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine Bethesda, Maryland
1993 - 1994	Instructor, Department of Medicine Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine Bethesda, Maryland
1990 - 1993	Teaching Fellow, Department of Medicine, Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine, Bethesda, Maryland
1989 - 1990	Lecturer, Chigasaki Tokushukai Hospital Chigasaki, Japan

1988 - 1990	Assistant Head, Ambulatory Care Division Yokosuka Naval Hospital
1988	Acting Department Head Emergency Medicine Department Yokosuka Naval Hospital Yokosuka, Japan
1987 - 1990	Staff General Medical Officer Yokosuka Naval Hospital, Yokosuka, Japan

**OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES:**

PRESENT HOSPITAL, SCHOOL, AND MEDICAL CENTER APPOINTMENTS:

2000-present	Wake Forest University Baptist Medical Center - Attending Physician
2000-present	Medical Director, Center for Antimicrobial Utilization, Stewardship and Epidemiology (C.A.U.S.E.). Baptist Medical Center, Winston- Salem, NC
2000-present	Chairman, Advisory Panel for the Center for Antimicrobial Utilization, Stewardship, and Epidemiology, Baptist Medical Center, Winston- Salem, North Carolina
2002-present	Associate Program Director, Infectious Diseases Fellowship Program, Wake Forest University School of Medicine

GOVERNMENTAL APPOINTMENTS

2004-present	Special Government Employee and Consultant, Anti-infectives Advisory Committee, CDER, US. Food and Drug Administration
2004-present	Member, State of North Carolina Public Health and Institutions Task Force
2004-present	Member, State of North Carolina Emerging Infections Medical Advisory Committee
2001-present	Chairman, State of North Carolina Tuberculosis Control Board

2002-present Medical Director, State of North Carolina-  
Northwest Region, Bioterrorism Planning and  
Response

PRESENT HOSPITAL, SCHOOL, AND MEDICAL CENTER COMMITTEES

2005-present Chairman, Community Acquired Pneumonia Core  
Measures Working Group

2004-2005 Ventilator Acquired Pneumonia Working Group

2003-present Co-chairman, Baptist Medical Center  
Perioperative Antimicrobial Prophylaxis Ad-Hoc  
Task Force

2000-present Member, Baptist Medical Center, Pharmacy and  
Therapeutics Committee

2000-present Member, QualChoice Pharmacy and Therapeutics  
Committee

2000-present Member, Wake Forest University Baptist Medical  
Center Infection Control Committee

2000-present Member, House Staff Executive Committee,  
Internal Medicine

2002-present Member, Professional Advisory Committee,  
Baptist Home Care

2002-2005 International Health Committee  
Wake Forest University Baptist Medical Center

2001-2002 Member, JCAHO preparation committee: Care of  
Patient

CONSULTANCIES:

2002-2003 Food and Drug Administration Consultant on  
Impact of Fluoroquinolone Use in Poultry on  
Human Health

2003-Present Consultant to Center for Veterinary Medicine,  
Food and Drug Administration

2003-Present Johnson & Johnson, Ortho-McNeil  
Pharmaceuticals

2004-Present Consultant, Anti-Infectives Advisory Committee,

CDER, US Food and Drug Administration

EDITORIAL WORK:

1999	AdHoc Reviewer, Journal of the American Medical Association
2000	AdHoc Reviewer, Pharmacological Research
2002-present	Peer Reviewer, Clinical Infectious Diseases
2003-present	Peer Reviewer, Infection Control Hospital Epidemiology
2004-present	Peer Reviewer, Emerging Infectious Diseases
2006	Peer Reviewer, IDSA Guidelines for Developing an Institutional Program to Enhance Antimicrobial Stewardship

VISITING FACULTY APPOINTMENTS:

2002-present	Visiting Professor, 4 <sup>th</sup> Department of Internal Medicine, Tokai University School of Medicine, Tokyo, Japan
1996-present	Visiting Professor, Department of Microbiology, Uniformed Services University of the Health Sciences

**OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES:** (continued)

PAST PROFESSIONAL APPOINTMENTS AND SERVICES:

1987	Alcohol Rehabilitation Services Physician
1987 - 1990	Physician Assistant Preceptor
1987 - 1990	Brig Medical Officer
1989 - 1990	Program Director, Independent Duty Corpsman Recertification and Training Program, United States Naval Hospital, Yokosuka, Japan
1989 - 1990	Independent Duty Corpsman Preceptor
1990	Assistant Program Director for the Shogun Medical Society Eighth Annual Symposium, Tokyo, Japan
1994 - 1996	Coordinator, Quality Assurance, Infectious Diseases
Bethesda,	Division, National Naval Medical Center,
	Maryland
1994 - 1996	Member, Naval Investigational Drug Review
Board	
1994 - 1996	Head, Infectious Diseases Branch, United States Naval Hospital Ship COMFORT TAH-20, including

	Operation Restore Democracy, September - October, 1994.
1994 - 1996	Head, Infection Control, United States Naval Hospital Ship COMFORT TAH-20
1995 - 1996 1996	United States Congress Delegation physician, Interim Program Planner for Infectious Diseases Graduate Medical Education, Consortium for Graduate Medical Education-National Capitol Region
1996 - 1999	Director, ECU Physicians International Travel Clinic, East Carolina University School of Medicine, Greenville, North Carolina
1996 - 1999 Control	Deputy Medical Director, Hospital Infection
1998 - 1999	Director, Antimicrobial Utilization and Stewardship, University Health Systems of Eastern North Carolina
1998-2000 Board	State of North Carolina Tuberculosis Control
1999	Assistant to the Dean, Public Health Impact of Hurricane Floyd

PAST ADMINISTRATIVE ACTIVITIES

1996 - 1999	Department of Medicine Quality Assurance, Pitt County Memorial Hospital
1996 - 1999	ID Section Educational coordinator, East Carolina University School of Medicine

**OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES:** (continued)

PAST COMMITTEE APPOINTMENTS:

1987 - 1988	Member, Ambulatory Care Committee, United States Naval Hospital, Yokosuka, Japan
1987 - 1990	Member, Executive Committee of the Medical Staff, United States Naval Hospital, Yokosuka, Japan
1987 - 1990	Member, Pharmacy & Therapeutics Committee, United States Naval Hospital, Yokosuka, Japan
1991 - 1996	Member curriculum committee, Internal Medicine Department, National Naval Medical Center, Bethesda, Maryland
1992-1994	American College of Physicians National Council of Associates

- 1994 - 1996 Assistant Head, Infection Control Committee, National Naval Medical Center, Bethesda, Maryland
- 1994-1996 Member, Pharmacy and Therapeutics Committee, National Naval Medical Center, Bethesda, Maryland
- 1994-1996 American College of Physicians International Subcommittee
- 1995 - 1996 Alternate Chairman, Library Committee, National Naval Medical Center, Bethesda, Maryland
- 1997 - 1999 Member, Pitt County Memorial Hospital, Dept. of Medicine, Quality Assurance Committee, Greenville, NC
- 1997 - 1999 Member, Pitt County Memorial Hospital, Pharmacy and Therapeutics Committee.
- 1997 - 1999 Member, Department of Medicine Research Committee
- 1998 - 1999 Member, Pitt County Memorial Hospital, Dept. Of Medicine, Adult Medical Services Steering Committee.
- 1998 – 1999 Chairman, Pitt County Memorial Hospital, Antibiotic Utilization and Stewardship Subcommittee, Pharmacy and Therapeutics Committee
- 1999 Chairman, Pitt County Memorial Hospital, Pharmacy and Therapeutics Committee.

## PROFESSIONAL MEMBERSHIPS

1982	Member, American Medical Association
1991 - 1993	Member, Council of Associates, American College of Physicians
1992-present	Member, Armed Forces Infectious Diseases Society
1993 - 1996	Member, International Task Force, American College of Physicians
1994 - 1996	Member, Governor's Council, Navy chapter, American College of Physicians
1994-present	Member, Infectious Diseases Society of America
1996-present	Fellow, American College of Physicians
1996-present	Member, North Carolina Infectious Diseases Society of America
1996-present	Member, American Medical Association, North Carolina Chapter
1999-present	Member, Association for the Prudent Use of Antibiotics
2002-present	Member, American Society for Microbiology
2003-present	Member, Society of Hospital Epidemiologists of America

## HONORS AND AWARDS

### Undergraduate

1982	Graduated Magna Cum Laude
1978-1982	Deans List
1982	Phi Kappa Phi (Senior Honor Society)
1982	Mortar Board-Phi Sigma Alpha (Senior Leadership Society)
1979-1982	Beta Beta Beta (Biology Honor Society); Officer
1982	Floyd and Marie Krause Scholarship (Outstanding Senior in Chemistry)
1979-1982	American Chemical Society-Student Affiliate; Officer
1981-1982	UWEC Student Senate (Student governmental body); Senator
1981-1982	Academic Affairs Commission

**Graduate**

- 1985 Alpha Omega Alpha (Elected in Junior year) - President
- 1983 Promotions Committee I Commendation - Excellence in the first year
- 1984 Promotions Committee I Commendation - Excellence in the second year
- 1983 Outstanding First Year Student Award
- 1985 Lewis and Edith Phillips Award (High level of academic achievement in the first three years)

**Professional**

- 1996 Academic Excellence Award, Department of Medicine, National Naval Medical Center, Bethesda, MD
- 1996 Outstanding Service Award, Infectious Disease Division, National Naval Medical Center, Bethesda, MD
- 2001 Master Teaching Award, Department of Internal Medicine, Wake Forest University School of Medicine
- 2004 Class of 2007 Annual Clinical Faculty Teaching Award, Wake Forest University School of Medicine

**Military**

- Navy Commendation Medal
- Navy Achievement Medal (with two gold stars)
- Joint Meritorious Unit Commendation
- Navy Unit Commendation
- Meritorious Unit Commendation (with three bronze stars)
- Fleet Marine Force Ribbon
- Navy Expeditionary Medal
- National Defense Medal
- Sea Service Deployment Ribbon (with bronze star)
- Overseas Service Ribbon (with two bronze stars)

## RESEARCH ACTIVITIES AND INTERESTS

- Regional surveillance for antimicrobial resistance in community and hospital pathogens
- Clinical antimicrobial resistance and its relationship to antibiotic use
- Epidemiology of antimicrobial resistance in the community and hospital
- Bioterrorism
- Emerging Infections

## ACTIVE GRANTS:

Centers for Disease Control and Prevention

"Evaluation of the Impact of Flooding on Water Quality and Human Health Indicators in North Carolina". CDC PROTRACK # DEHHE HSB 0012

Total Costs - \$600,000.

15% Effort, principal investigator,

April 2001-April 2007

Centers for Disease Control and Prevention

North Carolina Department of Health and Human Services, Division of Public Health

Contract No. 01062-02WF

"Prudent Antimicrobial Use; Evaluation of"

Total Costs - \$150,000

15% Effort, principal investigator

April 2001-April 2005

Merck & Company, Inc.

"Risk Factors and Clinical Outcomes Associated with Infections Caused by Resistant Enterobacter: A Case-Controlled Study"

Principal Investigator

\$20,000

Gene-Ohm Sciences

"Clinical validation of the molecular-based assay IDI-MRSA for the direct detection of Methicillin Resistant Staphylococcus aureus (MRSA) in Nasal Specimens"

Principal Investigator

\$42,000

## PAST GRANT HISTORY:

1999 Pfizer Pharmaceutical Company

A regional analysis of the in-vitro activity of Trovafloxacin, Levofloxacin, Erythromycin, Ceftriaxone, Penicillin and Vancomycin against *Streptococcus pneumoniae* in rural eastern North Carolina

Total costs - \$18,750

2005 Infecto-Diagnostic Inc (IDI) "Clinical validation of the molecular-based assay IDI-

MRSA for the direct detection of Methicillin Resistant Staphylococcus aureus (MRSA) in Nasal Specimens"

Principal Investigator

\$80,000

## **BIBLIOGRAPHY:**

### Book Chapter

1. Ohi CA, Pollack M. Infections due to Pseudomonas species and related organisms. In Harrison's Principles of Internal Medicine. Kasper, EL et al (eds), 15th Edition, McGraw-Hill. 2000.
2. Ohi CA, Lewis CC. Health planning and illness prevention for international travel. In Patient Education and Preventive Medicine. Labus JB, Lauber A (eds), W.B. Saunders. 2000.
3. McNeill L, Ohi CA. Pertussis: Epidemiology. In UpToDate, Rose, BD (Ed) UpToDate, Wellesley, MA 2000
4. McNeill L, Ohi CA. Pertussis: clinical features and diagnosis. In UpToDate, Rose, BD (ed) UpToDate, Wellesby, MA. 2002
5. McNeill L, Ohi CA. Pertussis: Treatment and Prevention. In UpToDate, Rose BD (ed). UpToDate, Wellesly, MA. 2002
6. Ohi CA, Pollack M. Pseudomonas aeruginosa and related bacteria. In Infectious Diseases. Gorbach SL et al (eds), 3rd Edition, Lippincott Williams Wilkins. 2004.
7. Ohi CA, Pollack M. Infections due to Pseudomonas species and related organisms. In Harrison's Principles of Internal Medicine. Kasper, EL et al (eds), 16th Edition, McGraw-Hill. 2004.
8. Ohi CA. Septic Arthritis. In Principles and Practice of Infectious Diseases. Mandell, et al (eds), 6<sup>th</sup> Edition, Churchill Livingstone. 2005
9. Ohi CA, Flooding in the US: Responses from Government and the Medical and Public Health Sectors. Few R, Matthies (eds). Earthscan. 2006

### Journal Articles

1. Ohi CA, Tribble, D. Coryn bacterium Group D2 infection of a complex renal cyst in a debilitated patient. Clin Infect Dis 14: 1160-1161, 1992.

2. Newton JA, Schnepf GA, Kennedy CA, O'Hara M, Wallace M, Ohi CA, Oldfield EC, et al. Malaria among U.S. military personnel returning from Somalia, 1993. *MMWR* 42: 524-526, 1993.
3. Ohi CA, Hyams KC, Malone JD, Oldfield E. Leishmaniasis among desert storm veterans: A diagnostic and therapeutic dilemma. *Mil Med* 158: 726-729, 1993.
4. Cavendish J, Cole J, Ohi CA. Polymicrobial central venous catheter sepsis involving a multiantibiotic resistant strain of Corynebacterium minutissimum. *Clin Infect Dis* 19: 204-205, 1994.
5. Ohi CA, Sullivan N, Paparello S. Streptococcus Sanguis bacteremia during Ciprofloxacin therapy of a diabetic foot ulcer. *Am J Med* 96: 482-483, 1994.
6. Pollack M, Espinoza AM, Koles NL, Guelde G, Wahl L, Ohi CA. Lipopolysaccharide (LPS)-specific monoclonal antibodies regulate serum mediated LPS uptake and LPS-induced tumor necrosis factor responses by human peripheral blood monocytes. *J Infect Dis* 172: 794-804, 1995.
7. Johnson K, Blazes D, Decker C, Ohi CA. Ramsey Hunt Syndrome in a patient with HIV infection. *Clin Infect Dis* 22: 1128-1129, 1996.
8. Artenstein AW, Ohi CA, VanCott C, Hagerich PA, Mascola JR. Domestic transmission of HIV-1 subtype E in the United States. *JAMA* 276: 99-100, 1996.
9. Pollack M, Ohi CA. Endotoxin-based molecular strategies for the prevention and treatment of gram-negative sepsis and septic shock. *Curr Top Microbiol* 216: 275-297, 1996.
10. Malone JD, Paige-Dobson B, Ohi CA, Digiovanni C, Cunnion S, Roy MJ. Possibilities for unexplained chronic illnesses among reserve units deployed in Operation Desert Shield/Desert Storm. *S Med J* 89: 1147-1155, 1997.
11. Scoville SL, Bryan JP, Tribble D, Paparello SF, Malone JL, Ohi CA, Nelson CJ. Epidemiology, preventive services and illnesses of international travelers. *Mil Med* 162: 172-178, 1997.
12. Knee TS, Ohi CA. Parotid gland abscess due to Salmonella heidelberg in a patient with Human Immunodeficiency Virus infection. *Clin Infect Dis* 24: 1009-1010, 1997.
13. Pollack M, Ohi CA, Golenbock DT, DiPadova F, Wahl LM, Koles NL, Guelde G, Monks, BG. Dual effects of lipopolysaccharide (LPS) antibodies on cellular uptake of LPS and LPS-induced proinflammatory functions. *J Immunol* 159: 3519-3530, 1997.
14. Ohi CA, Pollack M. Lipopolysaccharide (LPS) antibodies regulate cellular uptake of LPS and LPS induced proinflammatory responses. *Prog Clin Biol Res* 397: 227-234, 1998.

15. Fowler VG, Hamilton CD, Ohi CA. *Clostridium septicum* Myonecrosis presenting as a parapharyngeal abscess in a patient with aplastic anemia. *Infection* 26: 309-310, 1998
16. Wiese W, Patel SR, Patel S, Ohi CA, Estrada C. A meta-analysis of the wet mount and Papanicolaou (PAP) smear for the diagnosis of vaginal trichomoniasis. *Am J Med* 108: 301-308, 2000
17. Franklin JA, Wiese W, Meredith JT, Lalikos JF, Dolezal JM, Wooden WA, Ohi, CA. Hurricane Floyd: Response of the Pitt County Medical Community. *NC Med J* 61: 384-389, 2000
18. Becker K, Ohi CA, McCormick N. Morbidity and Mortality Associated with Hurricane Floyd—North Carolina, Sept-Oct, 1999. *MMWR*. 49(17): 369-372.
19. Sorrell VL, Koutlas TC, Ohi CA. Fungal endocarditis at the aortotomy site after aortic valve replacement. *Clin Cardiol* 23, 387-389, 2000
20. Ohi, CA, Tapsell SM. Flooding and human health. The dangers are not always obvious. (editorial) *BMJ* 321:1167-1168, 2000
21. Patel SR Wiese W, Patel S, Ohi CA, Estrada C. Systematic review of diagnostic tests for vaginal trichomoniasis. *Infect Dis Obstet Gynecol* 8:248-257, 2000
22. Nash TE, Ohi CA, Thomas E, Subramanian G, Keiser P, and Moore TA. Treatment of refractory giardiasis. *Clin Infect Dis* 33:22-28, 2001
23. Ohi CA. Antimicrobial Stewardship as a Means to Control Drug Resistant Pathogens. Seminar *Infect Control* 1:210-221, 2001
24. Moyenuddin M, Williamson J, Ohi CA. Clostridium difficile: Diagnostic and therapeutic modalities—a review. *Curr Gastroenterol Rep* 4:279-86, 2002
25. Morris PE, Hite DR, Ohi C. Relationship between the inflammation and coagulation pathways in patients with severe sepsis: Implications for therapy with activated protein C. *Biodrugs*. 16:1-15, 2002.
26. Moyenuddin M, Ohi CA, Williamson JC, Peacock JE. Disseminated oxacillin-resistant *Staphylococcus aureus* infection responsive to vancomycin and quinupristin-dalfopristin combination therapy. *J Antimicrob Chemother*. 51(1):202-3, 2003
27. Paddock CD, Sumner JW, Comer JA, Zaki SR, Goldsmith CS, Goddard J, McLellan SL, Tamminga CL, Ohi CA. *Rickettsia parkeri*: a newly recognized cause of spotted fever rickettsiosis in the United States. *Clin Infect Dis*. 38(6):805-11, 2004
28. Wofford J, Ohi CA. Teaching appropriate interactions with pharmaceutical company representatives: the impact of an innovative workshop on student attitudes. *BMC Med Educ*. Feb 8;5(1):5-10, 2005

29. Boapimp P, Ohl CA. Infectious arthritis of native and prosthetic joints. *The Hospitalist*. 9(S2) 30-37, 2005
30. Chapman A, Paddock C, Bakken J, Bloch K, Buckingham S, Dasch G, Sumler JS, Eremeeva M, Folk S, Krusell A, Marshall G, Nicholson W, Ohl C, Sexton D, Storch, G, Walker D, McQuiston J, Swerdlow D. Diagnosis and management of tick-borne rickettsial diseases in the United States: Rocky Mountain Spotted Fever, Ehrlichioses and Anaplasmosis. *MMWR* March 31, 2006 / Vol. 55 / No. RR--4
31. James R. Beardsley, PharmD; John C. Williamson, PharmD; James W. Johnson, PharmD; Christopher A. Ohl, MD, Tobi B. Karchmer, MD, MS; David L. Bowton, MD. Using Local Microbiologic Data to Develop Institutional-Specific Guidelines for the Treatment of Hospital-Acquired Pneumonia. *Chest* (In Press).

#### Abstracts

1. Ohl CA. The Ultra-structural Development of the Chick Embryo Rod and Cone Cell. Undergraduate Research Seminar at St. Mary's College, Winona, Minnesota, April 1982
2. Ohl CA, Ballou RW. Viscerotropic leishmaniasis in returnees from Operation Desert Shield/Storm. Armed Forces Epidemiological Board, Parson's Island, Chester, Maryland; October 29, 1992
3. Menzies R, Ohl CA, Vargo J, Bernstein W, Decker C. Successful Medical treatment of life-threatening CMV duodenal ulcerations in a patient with AIDS. Associates Research Competition. American College of Physicians District of Columbia regional scientific meeting, Bethesda, Maryland; December 5, 1993
4. Espinoza AM, Ohl CA, Koles NL, Guelde G, Pollack M. Lipopolysaccharide (LPS)-specific monoclonal antibodies differentially modulate LPS uptake by human peripheral blood monocytes and lymphocytes. Abstract in Journal of Endotoxin Research 1(Suppl 1): 61, 1994
5. Espinoza AM, Ohl CA, Koles NL, Guelde G, Pollack M. Opposing effects of lipopolysaccharide (LPS) specific monoclonal antibodies on uptake of LPS by human peripheral blood monocytes and lymphocytes. Abstract in Clinical Infectious Diseases 19: 615, 1994
6. Nicolas J, Ohl CA, Eisold J. Candida Albicans vertebral osteomyelitis in a patient with acquired immunodeficiency syndrome (AIDS) on fluconazole prophylaxis. Navy Chapter, American College of Physicians Regional Scientific Meeting, San Francisco, California; October 22, 1994

7. Jasser Z, Ohl CA, Decker C, Eisold J. Acute aseptic meningitis as an adverse drug reaction to intravenous immunoglobulin. Winner, Clinical Vignette Competition, American College of Physicians District of Columbia regional scientific meeting, Bethesda, Maryland; May 4, 1994
8. Hill JM, Ohl CA, Kelly BJ, Decker CF, Eisold JF. Concurrent HIV infection in a patient with myasthenia gravis. Winner, Clinical Vignette Competition, Annual Session, American College of Physicians, Atlanta, Georgia; March 17, 1995
9. Knee TS, Ohl CA. Parotid gland abscess due to Salmonella heidelberg in a patient with Human Immunodeficiency Virus infection. Associates Research Competition. American College of Physicians District of Columbia regional scientific meeting, Bethesda, Maryland; May 4, 1995
10. Ohl CA, Waters C, Tauber W. Cefepime susceptibility testing against three common respiratory isolates: Comparison of E-test and agar dilution MICs. Abstract C-135. 35th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, California; September, 1995
11. Wegner S., Ohl CA, Denobile J, Carr J, Skillman D, Resnick J, Vahey M, Meyers D. A case report of a woman with seronegative HIV-1 infection. Annual meeting of the laboratory of tumor cell biology. NIH, Bethesda, MD; Sept. 1995.
12. Nicholas J, Ohl CA. Spontaneous Bacterial Peritonitis due to Yersinia enterocolitica: Case report and review of the literature. Annual Session, American Colleges of Physicians. San Francisco, CA, April 25-28, 1996.
13. Ohl CA, Koles NL, Guelde KJ, Witherspoon KJ, Mond JJ, Wahl LM, Pollack M. Lipopolysaccharide (LPS)-specific Monoclonal Antibodies (Mabs) Regulate LPS Uptake and LPS-Induced Mitogenic Responses by Human Peripheral Blood B Lymphocytes (PBL). Abstract #87. Infectious Diseases Society of America 34th Annual Meeting, New Orleans, LA. Sept 22-25, 1996.
14. Ohl CA, Pollack M. Anti-Lipopolysaccharide (LPS) Antibodies Modulate Proinflammatory LPS-Leukocyte Interactions. Abstract S-23 in Journal of Endotoxin Research 3: (Supplement 1) 8. 1996.
15. Patel S, Wiese W, Patel SR, Ohl CA, Estrada C. A meta-analysis of the wet mount and papanicolaou (PAP) smear for the diagnosis of vaginal trichomoniasis. Department of Medicine, Thirteenth Annual Research Day. East Carolina University School of Medicine. Greenville, NC March, 1999.
16. Wiese W, Patel S, Patel SR, Ohl CA, Estrada C. A systemic review of tests to diagnose vaginal trichomoniasis. J of General Internal Medicine, Vol. 14, Supp 2, pg 79, Society of General Internal Medicine Annual Meeting, San Francisco, April 29-May 1, 1999.

17. Wiese W, Patel SR, Patel S, Ohl CA, Estrada C. A meta-analysis of the wet mount and papanicolaou (PAP) smear for the diagnosis of vaginal trichomoniasis. *J of General Internal Medicine*, Vol. 14, Supp 2, pg 79, Society of General Internal Medicine Annual Meeting, San Francisco, April 29-May 1, 1999.
18. Patel S, Wiese W, Patel S, Ohl CA, Estrada C. Evidence based medicine: A meta-analysis of diagnostic tests for vaginal trichomoniasis. *J Inv Med*; 48, 1, 2000. Society of General Internal Medicine, Southern Chapter, New Orleans, Feb 2000.
19. Becker K, Pope A, Southwick K, Ohl C, MacCormack N. and the Hurricane Floyd Response Team. Disease Surveillance after Hurricane Floyd—North Carolina. *Epidemiology Intelligence Service Conference*, Centers for Disease Control and Prevention, Atlanta, GA, 2000.
20. Hayes D, Gregory J, McNeill E, Becker K, Wiese W, Ohl CA. Morbidity and Mortality due to Hurricane Floyd in Eastern North Carolina. 1<sup>st</sup> Prize Research Competition. American College of Physicians, North Carolina Chapter, Annual Meeting, Durham, NC, February 18-19, 2000; Presented Annual Session, American College of Physicians Annual Session, Philadelphia, PA, April 13-16, 2000.
21. Gregory J, Ohl CA. Gonococcal Endocarditis—A Case report. American College of Physicians, North Carolina Chapter, Annual Meeting, Durham, NC, February 18-19, 2000
22. Wiese W, Becker K, Ohl CA. Impact of Hurricane Associated Flooding in Eastern North Carolina. Abstract in *Medicina Interna de Mexico*. 16; S2000. 25<sup>th</sup> World Congress of Internal Medicine, Cancun Mexico, June 2000.
23. Patel S, Wiese W, Patel S, Ohl CA, Estrada C. Systematic Review of Tests to Diagnose Vaginal Trichomoniasis. Abstract in *Medicina Interna de Mexico*. 16; S2000. 25<sup>th</sup> World Congress of Internal Medicine, Cancun Mexico, June 2000.
24. Ohl CA, McCormack N, Wiese W. Assessing Health Care Needs During Emergency Situations: Implementation of a Regional Surveillance System. 26<sup>th</sup> World Congress of Internal Medicine, Kyoto, Japan, May 2002.
25. Varela V, Ohl CA. A Screening Method for Antimicrobial Resistant Enterococcus and Escherichia coli in Human Stool. Abstract # 267. 103rd General Meeting, American Society for Microbiology. Washington DC. May 21, 2003.
26. Ohl CA, Varela V, Morris T. Evaluation of the Impact of Flooding on Water Quality and Human Health in Eastern North Carolina. CDC conference on Emerging Waterborne Pathogens: Public Health Implications. Wilmington, NC, October 20, 2003
27. Paddock CD, Sumner JW, Comer JA, Zaki SR, Goldsmith CS, Goddard J, McLellan SLF, Tamminga CL, Ohl CA. *Rickettsia parkeri*: a newly recognized cause of spotted fever rickettsiosis in the United States. (Board 58). International Conference on Emerging Infectious Diseases 2004. Feb. 29-March 3, 2004. Atlanta, GA

28. Ohl CA, Warren DK, Miller MA, Frenette C, Varela, V, Karchmer, TB. Performance of IDI-MRSA™, a Real Time PCR Assay for the Detection of Methicillin-resistant Staphylococcus aureus (MRSA) Nasal Colonization. Abstract # 235. 14<sup>th</sup> Annual Meeting of the Society of Healthcare Epidemiologists of America. Philadelphia, PA. April 19, 2004
29. Williamson JC, Varela V, Ohl CA. Ertapenem Susceptibility is not Predicted by other Carbapenem for Multi-Drug Resistant Enterobacter. Abstract presented at 44<sup>th</sup> Interscience conference on Antimicrobial Agents and Chemotherapy. Washington, DC. 2004
30. Boapimp P, Taaskar I, Ogunwale B, Ohl CA, Shekar R. Incidence of Clostridium difficile-associated diarrhea increased without change in disease severity: a 4 year study retrospective review at a community teaching hospital. Abstract (52) presented at Annual Meeting, Society of Hospital Epidemiology, Los Angeles, CA, 2005
31. De Comarmond CA, Ohl CA, Cook E, Karchmer T. colonization status of patients with healthcare-associated infection due to methicillin resistant S. aureus (MRSA). Abstract (202) presented at Annual Meeting, Society of Hospital Epidemiology, Los Angeles, CA, April 2005
32. Karchmer TB, Cook EM, Palavecino E, Ohl CA, Sherertz RJ. Needleless valve ports may be associated with a high rate of catheter-related bloodstream infection. Abstract (307) presented at Annual Meeting, Society of Hospital Epidemiology, Los Angeles, CA, April 2005
33. Leung D, Zia A, Varela V, Palavecino E, Ohl CA. Activity of meropenem and sulbactam in combination against multi-drug resistant Acinetobacter. Presented as student research project poster (3<sup>rd</sup> place winner) American College of Physicians Annual Meeting, San Francisco, CA. April 2005
34. Leung D, Zia A, Varela V, Palavecino E, Ohl CA. *In vitro* activity of meropenem (MEM) and sulbactam (SAB) in combination against multi-drug resistant *Acinetobacter baumannii* (MDR-Ab). Abstract (500) presented at 43rd Annual Meeting of the Infectious Diseases Society of America (IDSA), San Francisco, CA, October 2005
35. Karchmer TB, Wood C, Ohl CA, Tucker B, Chen H, and Sherertz RJ. Contamination of Mechanical Valve Needleless Devices May Contribute to Catheter-related Bloodstream Infections. Abstract #221, 16th Annual Meeting of the Society for Healthcare Epidemiology of America, Chicago, IL, March 18-21, 2006.
36. Ohl CA, White M, Varela, V, Davies S, Mason L, Prince S, Karchmer TB; Performance of the IDI-MRSA™ Real Time PCR in a Tertiary Care Hospital. Active Surveillance Program, Abstract #C-074, 106th General meeting of the American Society for Microbiology, Orlando, FL, May 21-25, 2006.
37. Ohl CA. Epidemiology of Pneumococcal Disease and Efficacy of Polysaccharide Vaccines in Adults. Abstract C12. International Journal Infectious Diseases. July, 2006 (S).

### **COMMUNITY ACTIVITIES AND SERVICE**

- \* Volunteer teacher for mathematics in Winston-Salem School System
- \* Supporter of United Way and Arts Council

### **PERSONAL INTERESTS**

- \* Fluent spoken Japanese language ability
- \* Interests include bird watching, train spotting, traveling, and sailing

**Wake Forest University School of Medicine**  
Teaching Portfolio

**RECURRENT TEACHING RESPONSIBILITIES - INTRAMURAL**

A. Medical Students

Lectures

1996 – 1999	M-2 Small Group Leader, East Carolina University School of Medicine. 8 hours per week X 4 months/year
1996 – 1999	M-3 Clerkship Core Curriculum Lectures. East Carolina University School of Medicine. 4 hours/year in infectious diseases
1996 – 1999	M1/M2 Microbiology Lectures. East Carolina University School of Medicine. 3 hours/year
1996 – 1999	M-4 Selective in Infectious Diseases, East Carolina University School of Medicine. 4 hours/year
1994 - Present	M-1 Microbiology. Clinical correlates of antimicrobial resistance. Uniformed Services University of the Health Sciences. Bethesda, MD 1 hour/year
2000- Present	M-1 Microbiology. Antimicrobials and resistance 2 hours/year. M-2 Microbiology. Antimicrobial pharmacotherapy and resistance 4 hours/year M-2 Gastroenterology, Parasitic GI infections 1 hours/yr
2000 – Present	Basic Infection Control Course. Antimicrobial Stewardship. 0.5 hour/year
2002 - Present	Phase V. Bioterrorism. 1 hour/yr
2002 - Present	Phase V. Pharmacotherapy with antimicrobials 2 hour/yr
2004 – Present	Phase V. Travel Medicine 2 hour/yr
2003 - Present	Medicine as a Profession. 1 hour/yr

Small Group

1994 - 1996	M-2 Pathophysiology of Medicine. Uniformed Services University of the Health Sciences. 16 hours/year
1994 – 1999	Ward Attending - Internal Medicine. Uniformed Services University of the Health Sciences./East Carolina University School of Medicine. 2 months/year

1994 – 1999	Ward Attending - Infectious Disease Consult Service. Uniformed Services University of the Health Sciences./East Carolina University School of Medicine. 3 months/year
1996 – 1999	M1/M2 Microbiology Case Discussion. 4 hours/year
2000 - 2003 2000 – Present	M-2 Pathophysiology of Medicine 16 hours/year Ward Attending - Infectious Disease Consult Service. 1 month/year
2000 – Present 2000 – Present	Ward Attending - Internal Medicine. 1 month/year M-3 Internal Medicine Core Curriculum - Antibiotic Pharmacotherapy. 8 hours/year
2000 – 2004	M-3 Internal Medicine Core Curriculum - Interactions with pharmaceutical representatives. 8 hours/year
2000 - Present 2003 - Present	Standardized Patient Assessment Evaluator Medicine as a Profession. 8 hours/year

Clerkship/Course Director

1994 – 1996	Co-director, Pathophysiology of Medicine Course, Infectious Diseases Section. Uniformed Services University of the Health Sciences. 16 hours per year.
1997 – 1999	Coordinator and Director of Infectious Diseases Educational Activities, East Carolina University School of Medicine. Responsible for 70 course hours/year
1997 – 1999	Director Infectious Diseases Clinical Clerkship, East Carolina University School of Medicine.
1997 – 1999	M-2 Medicine Course Director, East Carolina University School of Medicine. Responsible for 125 course hours/year

Other

2002-present	Reviewer of Scholarly Projects. Prescription for Excellence Curriculum.
2004-present 2003-present	Mentor and advisor. 2 1 <sup>st</sup> year students per year Professional School Liaison Officer, U.S. Navy Health Professions Scholarship Program
2004-2005	Senior Research Advisor, Daniel Leung, Class of 2006. Antimicrobial Synergy in Acinetobacter

B. Graduate Education

Lectures

1994 – 1999	Resident Noon Conference Lectures. Uniformed Services University of the Health Sciences./East Carolina University School of Medicine. 4 hours/year
2000 – Present	Resident Noon Conference Lectures. 4 hours/year
2000 – Present	Basic Infection Control Course. Antimicrobial Stewardship. 1 hour/year
2004 – Present	Dermatology Resident Lecture Series 3 hours/year

Small Group

1994 – 1999	Ward Attending - Internal Medicine. Uniformed Services University of the Health Sciences./East Carolina University School of Medicine. 2 months/year
1994 – 1999	Ward Attending - Infectious Disease Consult Service. Uniformed Services University of the Health Sciences./East Carolina University School of Medicine. 3 months/year
2000 – Present	Ward Attending - Internal Medicine. 1 month/year
2000 – Present	Ward Attending - Infectious Disease Consult Service. 1 month/year
2000 – Present	Professor of the Week at Morning Report. 3 weeks/year.

Program Director

2000 – Present	Educational Liaison for Infectious Diseases to the Dept. of Internal Medicine.
2002 – Present	Infectious Diseases Fellowship Program Co-Director

Thesis and Examination Committee

1999 – 2000	Preceptor for Masters of Public Health Field Practicum: William Cleve MT(ASCP)SM, 1985 Dent Tree Court, New Bern, NC 28562, UNC School of Public Health
2003 – 2006	Kimberly Blauth. PHD candidate. University of North Carolina School of Public Health. Chapel Hill, North Carolina.

C. Other Health Professionals

1996 – 1999	Physician Assistant Students. Antibiotics. East Carolina University School of Medicine. 1 hour/year
2004 – 2006	Research Project Mentor and advisor for Masters of Medical Science Degree. Physician Assistant Student, Zachary Smith. Wake Forest University Class of 2006

D. Continuing Medical Education -- Intramural

1. Clinical Implications of Antimicrobial Resistance in the 1990's. Internal Medicine Grand Rounds. National Naval Medical Center, Bethesda, MD. Sept. 12, 1995.
2. Panel Chair, Workshop: Host Pathogen Relationships--Virulence. Research Day. Uniformed Services University of the Health Sciences, Bethesda, MD. March 28, 1996.
3. Infectious Complications of Cancer Therapy. Hematology-Oncology Regional Grand Rounds. East Carolina University School of Medicine. Greenville, NC. November 20, 1996.
4. Overview of Travel Medicine. Internal Medicine Grand Rounds. East Carolina University School of Medicine-Pitt County Memorial Hospital. Greenville, NC. December 13, 1996.
5. Anti-lipopolysaccharide (LPS) specific antibodies modify LPS interactions with inflammatory and immune leukocytes. East Carolina University, School of Medicine, Department of Medicine, Research Day. March 6, 1997.
6. Skin Diseases Across the Globe: Skin Problems in Travelers. ECU-SOM Downeast Dermatology Day. Greenville, NC. April 28, 1997.
7. The Fluoroquinolones and the Respiratory Tract. Allergy/Immunology Grand Rounds. East Carolina University School of Medicine, Greenville, NC. March 19, 1998.
8. Antibiotic Stewardship. Surgery Grand Rounds. East Carolina University School of Medicine. Greenville, NC. April 1, 1998.

9. Antibiotic Stewardship. Family Practice Grand Rounds. East Carolina University School of Medicine. Greenville, NC. April 2, 1998.
10. Antibiotic Stewardship as a Tool to Control Antimicrobial Resistance. Family Practice Grand Rounds. East Carolina University School of Medicine. Greenville, NC. Oct. 7, 1998.
11. Emerging and Reemerging Infectious Diseases--Is North Carolina at Risk? East Carolina University-Update in Internal Medicine. Atlantic Beach, NC. October 23, 1998.
12. Moderator. Department of Medicine Thirteenth Annual Research Day. East Carolina University School of Medicine. Greenville, NC. March 9, 1999.
13. Emerging and Re-emerging Infectious Diseases—Is North Carolina at Risk? Internal Medicine Practice Grand Rounds. East Carolina University School of Medicine. Greenville, NC. April 23, 1999.
14. Management of Animal Bites. East Carolina University-Update in Internal Medicine. Atlantic Beach, NC. October 22, 1999.
15. Antimicrobial Stewardship. Will it work for us? Internal Medicine Grand Rounds. Wake Forest University School of Medicine, Winston-Salem, NC. Sept 21, 2000
16. Antimicrobial Stewardship. Will it work for us? Surgery Grand Rounds. Wake Forest University School of Medicine, Winston-Salem, NC. Nov 8, 2000
17. Wake Forest University School of Medicine Internal Medicine Board Review Course. Antimicrobials. June 18. 2002.
18. Management of Animal Bites. Emery Miller Medical Symposium. Wake Forest University SOM, Myrtle Beach, SC, July 9, 2001.
19. Clinical Implications of Antimicrobial Resistance. Emery Miller Medical Symposium. Wake Forest University SOM, Myrtle Beach, SC, July 9, 2001.
20. Bioterrorism Internal Medicine Grand Rounds Wake Forest University School of Medicine, Winston-Salem, NC, Nov 10, 2001.
21. Bioterrorism: After anthrax where do we go from here. Internal Medicine Grand Rounds. Wake Forest University School of Medicine, Winston-Salem, NC, Feb 7, 2002.
22. Antimicrobial Management for Surgical Infections. Department of Surgery Grand Rounds. Wake Forest University School of Medicine, Winston-Salem, NC, May 21, 2002.
23. Wake Forest University School of Medicine Internal Medicine Board Review Course. Antimicrobials. June 18. 2002.

24. Update on STD's. Emery Miller Medical Symposium. Wake Forest University SOM, Myrtle Beach, SC, Aug 6, 2002.
25. Proper Use of Antimicrobials. Emery Miller Medical Symposium. Wake Forest University SOM, Myrtle Beach, SC, Aug 6, 2002.
26. Emerging and Re-emerging Infectious Diseases. Fall Mountain Meeting. Wake Forest University SOM, Asheville, NC, Oct 26, 2002.
27. Bioterrorism. Fall Mountain Meeting. Wake Forest University SOM, Asheville, NC, Oct 26, 2002.
28. Smallpox. Dept. of Surgery Grand Rounds. January 22, 2003
29. Smallpox and its Vaccination. Dept. of Dermatology Grand Rounds. Wake Forest University School of Medicine. Winston-Salem, NC. Feb 19, 2003.
30. Antimicrobial Use in Urology. Urology Grand Rounds. Wake Forest University School of Medicine. Winston-Salem, NC. June 18, 2003.
31. SARS: The Perfect Emerging Infection? Internal Medicine Grand Rounds. Wake Forest University School of Medicine. Winston-Salem, NC. Sept 25, 2003.
32. Emerging Infections. GCRC Lecture Series. Wake Forest University School of Medicine. Winston-Salem, NC. Nov. 11, 2003.
33. Antimicrobials In the Intensive Care Unit. Wake Forest University School of Medicine Critical Care Course, Blowing Rock, NC Nov 16, 2003.
34. Emerging Infections. Emery Miller Medical Symposium. Wake Forest University SOM, Myrtle Beach, SC, Aug 2, 2004.
35. Catheter Infections. Emery Miller Medical Symposium. Wake Forest University SOM, Myrtle Beach, SC, July 3, 2004.
36. Prevention of Surgical Site Infections. General Surgery Grand Rounds. Wake Forest University School of Medicine. Winston-Salem, NC. October 20, 2004.
37. Antimicrobials in Orthopedic Surgery. Orthopedic Surgery Grand Rounds. Wake Forest University School of Medicine. Winston-Salem, NC. November 10, 2004.

F. Mentoring and Advising: Infectious Diseases Fellows:

2000	Lee McNeil, M.D. --Pertussis
2001	Munshi Moyenuddin, MD.--C. difficile colitis, Enterobacter antimicrobial Resistance
2003-2005	Pimpawan Boapimp, C. difficile colitis, Septic Arthritis
2003-2005	Asif Zia. Antimicrobial Resistant Enterobacter
2004-2006	Vipal Ganatra. Antimicrobial Utilization
2005-2007	Vera Luther, Enterobacter Nosocomial Infections

**RECURRENT TEACHING RESPONSIBILITIES (EXTRAMURAL)**

1996 -- Present	Visiting professor and lecturer in microbiology, Uniformed Sciences University of the Health Sciences. Audience medical students, faculty and health professionals 2 3-day visits per year
1996 -- Present	Visiting professor, lecturer and ward attending for internal medicine and infectious diseases. Portsmouth Naval Medical Center, Portsmouth, VA. Audience medical students, faculty and health professionals. 2 weeks/year
1996 -- Present	North Carolina Area Health Education Lecturer
2001 -- Present	Visiting professor, lecturer and ward attending in internal medicine, Tokai University School of Medicine. Tokai Japan. Audience medical students, faculty and health professionals. 2 weeks/year

**AWARDS FOR TEACHING AND MEDICAL EDUCATION.**

2001	Master Teaching Award, Wake Forest University School of Medicine Internal Medicine Housestaff
2004	Class of 2007 Annual Clinical Faculty Teaching Award

**INVITED LECTURES AND ORAL PRESENTATIONS**

1. HIV Update. Grand Rounds. Kimbrough Army Hospital. Ft. Meade, MD. June 21, 1995.
2. Travel Medicine Workshop. American Academy of Pediatrics, Uniformed Services Section. McLean, Virginia. March 20, 1996.
3. Panel Moderator, National Definition and Practice of Internal Medicine. International Leadership Conference. Annual Session, American College of Physicians. San Francisco, California. April 24, 1996.

4. Ohi CA, Pollack M. Anti-Lipopolysaccharide (LPS) Antibodies Modulate Proinflammatory LPS-Leukocyte Interactions. Fourth Conference of the International Endotoxin Society October 22-25, 1996; Nagoya, Japan. Abstract S-23 in Journal of Endotoxin Research 3: (Supplement 1) 8. 1996.
5. Clinical Implications of Antimicrobial Resistance in the 1990's. Medical Staff Rounds. Naval Hospital Camp Lejeune. Jacksonville, NC. October 29, 1997.
6. Clinical Implications of Antimicrobial Resistance in the 1990's. Medical Staff Rounds. Seymour Johnson Air Force Base Hospital. Kinston, NC. February 13, 1997.
7. Communicating About Communicable Diseases: Ebola, Dengue, Hantavirus, Cholera, Etc.- Is Pitt County In Peril? League of Women Voters of Pitt County. February 18, 1996.
8. Tuberculosis: Current Trends and Therapy. North Carolina Chapter of American Academy of Family Practice. Williamsburg, VA., April 13, 1997.
9. Clinical Implications of Antimicrobial Resistance in the 1990's. Medical Staff CME. Pungo District Hospital, Belhaven, NC, April 17, 1997.
10. Overview of Travel Medicine. Society of Army Physician Assistants. Fayetteville, NC. April 22, 1997.
11. Emerging and Reemerging Infectious Diseases--Is North Carolina at Risk? North Carolina Museum of Natural History Fall Lecture Program. Raleigh, NC. September 20, 1997.
12. Tick Borne Diseases. Chowan Hospital Medical Staff CME. Chowan Hospital, Edenton, NC. October 21, 1997.
13. Clinical Implications of Antimicrobial Resistance. Lenoir County Medical Society. Kinston, NC. November 11, 1997.
14. Sorting Out the Expanding Spectrum of Fluoroquinolones. Academia De Medicos De Familia De Puerto Rico (Puerto Rico Academy of Family Practice). San Juan, Puerto Rico. March 8, 1998.
15. Vector Borne Diseases. Pitt County Chapter, Sierra Club. Greenville, NC. March 9, 1998.
16. Quinolone Update. Bayer Corporation Southeast Business Area Sales Meeting. Charlotte, NC. March 10, 1998
17. Skin Manifestations of Emerging and Reemerging Infectious Diseases. ECU-SOM Downeast Dermatology Day. Greenville, NC. April 24, 1998.
18. Antibiotic Stewardship as a Tool to Control Antimicrobial Resistance in the Hospital. Internal Medicine Grand Rounds. East Carolina University School of Medicine. Greenville, NC. May 29, 1998.

19. Emerging and Reemerging Infectious Diseases--Is Virginia at Risk? Meet the Professor Session. Portsmouth Naval Medical Center, Portsmouth, VA. June 19, 1998.
20. Tropical Dermatology. Internal Medicine Grand Rounds. Portsmouth Naval Medical Center, Portsmouth, VA. June 19, 1998.
21. An Overview of Travel Medicine, Family Practice Grand Rounds. WOMAC Army Medical Center, Fort Bragg, NC. July 8, 1998.
22. Antibiotic Stewardship as a Tool to Control Antimicrobial Resistance in the Hospital. Carteret County Medical Society. Beaufort, NC. August 20, 1998.
23. Hepatitis A-C: An overview. Beaufort-Pamlico Medical Society Meeting. Washington, NC. Oct 1, 1998.
24. Symposium moderator and key speaker: Establishing a regional network to study and manage antimicrobial resistance in North Carolina. Pinehurst Resort and Country Club, Village of Pinehurst, North Carolina. Feb12-13, 1999
25. Antibiotic Stewardship as a Tool to Control Antimicrobial Resistance. North Carolina American College of Physicians-ASIM meeting. Duke University Inn, Durham, NC. February 20, 1999.
26. Antibiotic Stewardship as a Tool to Control Antimicrobial Resistance. Infectious Diseases Grand Rounds. National Naval Medical Center, Bethesda, MD. March 3, 1999.
27. Sorting Out the Expanding Spectrum of Fluoroquinolones. Robeson County Medical Society Spring Meeting. Lumberton, NC. March 8, 1999.
28. Sorting Out the Expanding Spectrum of Fluoroquinolones. North Carolina Pharmacy Association Spring Meeting. Winston-Salem, NC. March 25, 1999.
29. Community Acquired Pneumonia. Pennsylvania American Lung Association Spring Meeting. Williamsport, PA. May 20, 1999.
30. An Overview of Travel Medicine. Sewells Point Clinic Grand Rounds. Sewells Point Clinic, U.S. Navy, Norfolk, VA. May 21, 1999.
31. Community Acquired Pneumonia. Langly AFB Hospital Grand Rounds. Langly Air Force Base. Hampton Roads, VA. May 22, 1999.
32. Useful Guidelines for the Management of Common Infectious Diseases. Internal Medicine Grand Rounds. Portsmouth Naval Hospital. Portsmouth, VA. August 27, 1999.
33. Antimicrobial Stewardship as a Tool to Control Antimicrobial Resistance. South Eastern Association for Clinical Microbiology Annual Meeting. Georgia Center for Continuing Education, Athens, GA. November 6, 1999.

34. Health Impact of Hurricane Floyd. North Carolina Society of Preventive Medicine Annual Meeting. Sheraton Hotel, Research Triangle Park, North Carolina. November 11, 1999.
35. Update on Influenza—"What's Nu with Flu." Carteret County Medical Society November Meeting. Moorhead City, NC. November 18, 1999.
36. Influenza Prevention and Therapy. Guilford County Medical Society January Meeting. Greensboro, NC, January 6, 2000.
37. Clinical Implications of Antimicrobial Resistance. Hospital Wide Grand Rounds. Forsyth Memorial Hospital. Winston-Salem, NC. January 21, 2000.
38. Community Acquired Pneumonia. Susquehanna Health System Grand Rounds. Williamsport, PA. February 25, 2000.
39. Therapy of Community Acquired Respiratory Tract Infections in the Era of Antimicrobial Resistance. West Virginia Academy of Family Practice 48th Annual Scientific Session, Charleston, WV, April 7, 2000.
40. Antimicrobial stewardship as a tool to control antimicrobial resistance. Grand Rounds, Moses Cone Memorial Hospital, Greensboro, NC, April 18, 2000.
41. Antimicrobial stewardship: Will it work for you? Infectious Diseases Grand Rounds, Duke University School of Medicine, Durham, NC, May 15, 2000.
42. Clinical Implications of Antimicrobial Resistance. Hospital Grand Rounds. Moorehead Hospital, Eden, NC, August 30, 2000
43. Antimicrobial Pharmacoepidemiology: Drug Resistance and Management of Use. 38th Annual Meeting of the Infectious Diseases Society of America, New Orleans, LA, Sept 7, 2000.
44. Therapy of Respiratory Tract Infections in the Era of Antimicrobial Resistance. Annual CME meeting. Tazwell County Medical Society. Richlands, VA, Oct. 7, 2000.
45. Antimicrobial Stewardship. New ways to use antibiotics to decrease resistance. Annual Meeting. American College of Physicians-American Society for Internal Medicine, Oklahoma Chapter. Tulsa, Oklahoma, Oct. 20, 2000
46. Antimicrobial Stewardship. Annual Meeting, Virginia Infectious Diseases Society, The Homestead, Hot Springs, Virginia. March 24, 2001.
47. Antimicrobial Resistance: The good, The bad, and The Ugly. NE Tennessee Society of Health Systems Pharmacist quarterly meeting. Johnsonville, TN. May 15, 2001.
48. Clinical Implications of Antimicrobial Resistance. South Carolina Academy of Family Practice Annual Summer Scientific Meeting, Myrtle Beach, SC, July 22, 2001.

49. What we learned from hurricane Floyd in Eastern North Carolina. Grand Rounds, Bristol Regional Medical Center, Bristol, TN, Sept 11, 2001
50. Epidemiology and clinical aspects of bioterrorism. County Medical Society Meeting. Martinsville, WV, Oct 24, 2001
51. Epidemiology and clinical aspects of bioterrorism. Special Medical Staff Lecture. Hoots Memorial Hospital, Elkin, North Carolina, Oct 24, 2001
52. Epidemiology and clinical aspects of bioterrorism. Special Medical Staff Lecture. High Point Regional Medical Center, High Point, North Carolina, Oct 30, 2001
53. Antimicrobial Stewardship. Will it work for you? Infectious Diseases Grand Rounds. University of North Carolina School of Medicine. Chapel Hill, NC, Nov 9, 2001
54. Emerging and reemerging infectious diseases. Catawaba Memorial Hospital Grand Rounds. Hickory, NC, Nov 13, 2001
55. Pharmacotherapy Update: Infectious Diseases. Wake AHEC, Raleigh, NC, Dec 2, 2001.
56. Emerging and reemerging infectious diseases. Watauga County Medical Center. Boone, NC, Dec 17, 2001.
57. Emerging and reemerging infectious diseases. Watauga County Medical Center, Boone, NC, Dec 17, 2001.
58. Bioterrorism threats, North Carolina Society of Plastic and Reconstructive Surgery. Wilmington, NC, Jan 12, 2002.
59. Bioterrorism – Carolina Clinical Laboratory Conference, Greensboro, NC, April 12, 2002.
60. Health effects of Hurricane Floyd in eastern North Carolina, emerging infectious Diseases program. Uniform Services University Health Sciences, Bethesda, MD, April 22, 2002.
61. Antimicrobial Stewardship. Internal Medicine Grand Rounds. Portsmouth Naval Medical Center. Portsmouth, VA. August 30, 2002
62. Bioterrorism in the United States: One year after September 11th. Internal Medicine Grand Rounds. Wayne State University of the Health Sciences. Detroit, MI. September 11, 2002.
63. Perspectives on Bioterrorism One year after September 11 2001. American Academy of Physicians --Michigan Chapter Annual Meeting. Grand Traverse, MI. September 12, 2002.
64. Ethics and Interactions with the Pharmaceutical Industry. Wake Forest University School of Medicine Centennial Celebration. Winston-Salem, NC, Oct 11, 2002.

65. Smallpox: The disease and vaccination. Grand Rounds. Randolph Memorial Hospital, Asheboro, NC. Jan 10, 2003
66. Antimicrobial Stewardship. UHC Conference on Excellence in Colorectal Surgery. Atlanta, GA. Jan 31, 2003
67. Emerging and Reemerging Infectious Diseases. Wilkes County Medical Society. Boone, NC. Feb 4, 2003.
68. Antimicrobial Stewardship at Baptist Hospital. 4th annual Carolinas Antimicrobial Stewardship Meeting. Charleston, SC. Feb 7, 2003.
69. Smallpox. Guilford County Health Dept. Feb 28, 2003.
70. Antimicrobial Stewardship. Medical College of Virginia Emergency Medicine Grand Rounds. Richmond, VA. April 2, 2003
71. Community-acquired Respiratory Tract Infections in the Era of Antimicrobial Resistance. Grand Rounds. Mary Washington Hospital. Fredricksburg, VA. April 11, 2003
72. Smallpox. Grand Rounds. Lexington Memorial Hospital, Lexington, NC. April 21, 2003.
73. Smallpox and SARS. Grand Rounds. Thomasville Memorial Hospital, Thomasville, NC. April 22, 2003.
74. Smallpox and SARS. Davidson County Health Dept. Lexington, NC. April 24, 2003.
75. Osteomyelitis. Orthopedics Grand Rounds. Naval Medical Center Portsmouth. Portsmouth, VA. May 15, 2003.
76. Antimicrobial Stewardship. Annual Workshop for Infectious Diseases Clinical Pharmacists. Medical University South Carolina, Charleston, SC. May 17, 2003
77. Antimicrobial Stewardship for the Emergency Medicine Physician. Emergency Medicine Grand Rounds. Naval Medical Center Portsmouth. Portsmouth, VA. May 22, 2003.
78. SARS as an Emerging Infectious Disease. North Carolina APIC Annual Scientific Meeting. Winston-Salem, NC. June 27, 2003
79. SARS: The Perfect Emerging Infection? Annual Symposium in Infectious Diseases. Medical University South Carolina School of Pharmacy. Charleston, SC. Sept. 11, 2003.
80. SARS: The Perfect Emerging Infection? Symposium by the Sea. North Carolina Society for Respiratory Care. Wrightsville, Beach, NC. Sept. 30, 2003.
81. Self Evaluation Program Module for Recertification. 41st Annual Meeting, Infectious Diseases Society of America. San Diego, CA. Oct. 9, 2003.

82. An Integrated Medical School Curriculum to Improve Antimicrobial Use. CDC Get Smart Campaign, Annual Conference. Centers for Disease Control and Prevention. Atlanta, GA, June 4, 2004.
83. Perioperative Antimicrobial Use. Annual Meeting of the North Carolina American College of Surgeons. Myrtle Beach, SC. July 17, 2004.
84. Clinical Implications of Antimicrobial Resistance. North Carolina Society for Respiratory Care Mountain Meeting. September 8, 2004.
85. Bone and Joint Infections. Orthopedic Grand Rounds. Portsmouth Naval Hospital. August 12, 2005.
86. Self Evaluation Program Module for Recertification. 42nd Annual Meeting, Infectious Diseases Society of America. Boston, MA. Sept 30, 2004
87. New Drugs in Infectious Diseases. Grand Rounds, Moorehead Hospital, Edenton, NC. November 3, 2004.
88. Emerging Infections. Grand Rounds. Caldwell Memorial Hospital. Lenoir, NC. December 14, 2004.
89. Antimicrobial Resistance Related to Agriculture. National Center for Manure Management Scientific Meeting. San Antonio, TX. Jan 5, 2005.
90. Tick Borne Rickettsial Infections. Internal Medicine Grand Rounds. Medical University of South Carolina. Charleston, SC. April 5, 2005.
91. Tick Borne Rickettsial Infections. Internal Medicine Grand Rounds. Bethesda Naval Hospital/Uniformed Services University Health Sciences. Bethesda, MD. May 5, 2005.
92. Emerging Infectious Diseases. Western NC Public Health Assoc. Meeting. Boone, NC. May 19, 2005.
93. Invasive Aspergillus Infections. Internal Medicine Grand Rounds. Wellmont Medical Center. Bristol, TN. June 9, 2005.
94. Recertification Course in Infectious Diseases. Myrtle Beach, SC. June 19-22, 2005.
95. Antimicrobial Stewardship. Working together with infection control to limit antimicrobial resistance. North Carolina Association of Practitioners in Infection Control Annual Session. Broyhill Conference Center. Boone, NC September 2005
96. Tick Talk. Emerging Tick Borne Infections of the East Coast. Explore Infectious Diseases Conference. SUNY Plattsburgh. September 2005
97. The Human Health Threat from Antimicrobial Resistant Bacteria: Sources, Sickesses, and Solutions. 2005 Animal Waste Management Symposium. Durham, NC September 2005

98. Self Evaluation Program Module for Recertification. 43rd Annual Meeting, Infectious Diseases Society of America. Boston, MA. October 2005
99. Science and Epidemiology of Avian Influenza. Covering the coming pandemic. Annual Health Journalists Symposium, Los Vegas, NV October 2005

International

100. Visiting clinical professor. Tokai University School of Medicine, Isehara, Japan. Oct. 8-13, 2001
101. Antimicrobial Stewardship, Grand Rounds, Tokai University School of Medicine, Isehara, Japan. Oct 11, 2001
102. Bioterrorism, Medical Staff Lecture. Tokai University School of Medicine, Isehara, Japan. Oct 13, 2001
103. Bioterrorism: lessons learned from the 2001 US Anthrax epidemic. 26<sup>th</sup> Internal Conference in Internal Medicine. Kyoto, Japan, May 29, 2002.
104. HIV Diagnosis and Management. Internal Medicine Grand Rounds. Tokai University School of Medicine. Tokyo, Japan. June 15, 2002
105. Community Acquired Pneumonia in the Era of Emerging Infections. Internal Medicine Grand Rounds. University of Puerto Rico School of Medicine. San Juan, Puerto Rico. December 9, 2003.
106. Clinical Implications of Antimicrobial Resistance. Tokai Seminar. Atsugi, Japan. June 25, 2004
107. SARS, Avian Influenza and other Emerging Infections. Internal Medicine Grand Rounds. Tokai University School of Medicine. Isehara, Japan. June 26, 2004.
108. Visiting Professor's Case Seminar. St. Mariannes Hospital. Kawasaki, Japan. June 29, 2004.
109. Clinical Implications of Antimicrobial Resistance. Internal Medicine Grand Rounds. Eichi University School of Medicine, Nagoya, Japan. June 30, 2004.
110. Community Acquired Respiratory Tract Infections in an Era of Emerging Infections and Antimicrobial Resistance. 27<sup>th</sup> International Conference in Internal Medicine. Grenada, Spain. September 27<sup>th</sup>, 2004.
111. Emerging Respiratory Infections. Internal Medicine Grand Rounds. University of Puerto Rico School of Medicine. San Juan, Puerto Rico. April 12, 2005.

112. Efficacy of polysaccharide vaccine in adults – the US experience. 5th International Symposia on Pneumococci and Pneumococcal Vaccines, Alice Springs, AU. April 5, 2006.
113. Epidemiology of Pneumococcal Disease and Efficacy of Polysaccharide Vaccines in Adults. 12th International Congress on Infectious Diseases. Lisboa, Portugal. June 17, 2006.