

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

for the Permanent Record and the  
Appointments and Promotions Committee

Date Prepared: October 23, 2015

**Name:** Gregory C. Gray, MD, MPH, FIDSA

**Primary academic appointment:** Professor

**Primary academic department:** Department of Medicine

**Secondary appointments at Duke:** Duke Global Health Institute, Nicholas School of the Environment

**Key adjunct appointments elsewhere:**

Professor, Emerging Infectious Disease Program, Duke-NUS School of Medicine, Singapore (2015)

Professor of Global Health, Duke-Kunshan University (2015)

**Date and rank of first Duke Faculty appointment:** August 1, 2014 – Medical Instructor, Temporary

**Medical Licensure:**

Florida #108102 dates: 9/19/12 - 1/31/15

North Carolina dates: current through 7/1/16

**Specialty certification(s):** Public Health & General Preventive Medicine

**Citizen of:** United States of America

**Education:**

| Institution  | Dates attended | Degree obtained |
|--|----------------|-----------------|
| US Naval Academy   | 1973-77        | BS              |
| University of Alabama at Birmingham, School of Medicine  | 1979-83        | MD              |
| Johns Hopkins School of Hygiene & Public Health          | 1986-87        | MPH             |
| Walter Reed Army Institute of Research   Senior resident | 1987-88        | NA              |

**Scholarly societies:** Delta Omega (Public Health)

## Publications:

Refereed journals (published):

1. Sampson GL, Williams RG, House MD, Wetzel NE, Brundage JF, McNeil JG, Magruder CD, **Gray GC**. Acute rheumatic fever among Army trainees - Fort Leonard Wood, Missouri, 1987-1988. MMWR 1988;37:519-522. PMID: 3136309
2. Hyams KC, Okoth FA, Tukei PM, Mugambi M, Johnson B, Morrill JC, **Gray GC**, Woody JN. The epidemiology of hepatitis in Eastern Kenya. J of Med Vir 1989;28:106-109. PMID: 2786919
3. Malone JL, Simms TE, **Gray GC**, Wagner KF, Burge JR, Burke DS. Sources of variability in repeated T-helper lymphocyte counts from human immunodeficiency virus type I infected patients: Total lymphocyte count fluctuations and diurnal cycle are important. J of AIDS 1990;3:144-151. PMID: 1967309
4. **Gray GC**, Johnson AA, Thornton SA, Smith WA, Knobloch J, Kelley PW, Escuder LO, Huayda MA, Wignall FS. An epidemic of Oroya fever in the Peruvian Andes. Am J Trop Med Hyg 1990;42:215-221. PMID: 2316791
5. **Gray GC**, Palinkas LA, Kelley PW. Increasing incidence of varicella hospitalizations in United States Army and Navy personnel: Are today's teenagers more susceptible? Should recruits be vaccinated? Pediatrics 1990;86:867-873. PMID: 2251023
6. Struewing JP, **Gray GC**. An epidemic of respiratory complaints exacerbated by mass psychogenic illness in a military recruit population. Amer J Epidemiol 1990;132:1120-1129. PMID: 2260544
7. **Gray GC**, Struewing JP, Clever LG, Kulhenkamp JF. Worst California measles epidemic in twenty-five years - Navy preventive medicine leading California efforts. Navy Medicine 1991;July-August.
8. **Gray GC**, Escamilla J, Hyams KC, Struewing JP, Kaplan EL, Tupponce AK. Hyperendemic *Streptococcus pyogenes* infection despite prophylaxis with penicillin G benzathine. N Engl J Med 1991; 325:92-97. Summarized in the 1992 Year Book of Medicine and Doctor's Infection Newsletter May 1992. PMID: 2052057
9. Fujikawa J, Struewing JP, Hyams KC, Kaplan EL, Tupponce AK, **Gray GC**. Oral erythromycin prophylaxis against *Streptococcus pyogenes* infections in penicillin-allergic military recruits: A randomized clinical trial. J Infect Dis 1992;166:162-165. PMID: 1607691
10. Hyams KC, Struewing JP, **Gray GC**. Seroprevalence of hepatitis A, B, and C in a United States military recruit population. Milit Med 1992;157:579-582. PMID: 1470350
11. Oldfield EC, Rodier GR, **Gray GC**. Endemic infectious diseases of Somalia. Clin Infect Dis 1993;16(suppl 3):S132-157. PMID: 9815365
12. Rodier GR, Couzineau B, **Gray GC**, Chakib SO, Fox E, Bouloumie J, Watts DM. Trends of human immunodeficiency virus type-1 infection in female prostitutes and males diagnosed with a sexually transmitted disease in Djibouti, East Africa. Am J Trop Med Hyg 1993;45:682-686. PMID: 8517486
13. Struewing JP, Hyams KC, Tueller JE, **Gray GC**. The risk of measles, mumps, and varicella among young adults: A serosurvey of U.S. Navy and Marine Corps recruits. Amer J Pub Health 1993;83:1717-1720. PMC: 1694921
14. **Gray GC**, Struewing JP, Hyams KC, Escamilla J, Tupponce AK, Kaplan EL. Interpreting a single antistreptolysin O test: A comparison of the "upper limit of normal" and likelihood ratio methods. J Clin Epidemiol 1993;46:1181-1185. PMID: 8410102

15. Rodier G, Sevre JP, Binson G, **Gray GC**, Said-Salah. Clinical features associated with HIV-1 infection in adult patients diagnosed with tuberculosis in Djibouti, East Africa. Trans Roy Soc Trop Med Hyg 1993;87:676-677. PMID: 8296374
16. **Gray GC**, Mitchell BS, Tueller JE, Cross ER, Amundson DE. Pneumonia hospitalizations in the US Navy and Marine Corps: Rates and risk factors for 6,522 admissions, 1981-1991. Amer J Epidemiol 1994;139:793-802. PMID: 8178792
17. **Gray GC**, Hyams KC, Wang SP, Grayston JT. *Mycoplasma pneumoniae* and *Chlamydia pneumoniae* strain TWAR infections in U.S. Marine Corps recruits. Milit Med 1994;159:292-294. PMID: 20058422
18. **Gray GC**, Rodier GR. Pre vaccination screening for citizens of the United States living abroad who are at risk for hepatitis A. Clin Infect Dis 1994;19:225-226. Letter. PMID: 7948551
19. **Gray GC**, Rodier GR, Matras-Maslin VC, Honein MA, Ismaïl EA, Botros BA, Soliman AK, Merrell BR, Wang SP, Grayston JT. Serologic evidence of respiratory and rickettsial infections among Somali refugees. Am J Trop Med Hyg 1995;52:349-353. PMID: 7741176
20. Hyams KC, Taylor DN, **Gray GC**, Knowles JB, Malone JD. The risk of *Helicobacter pylori* infection among US military personnel deployed outside of the United States. Am J Trop Med Hyg 1995;52:109-112. PMID: 7856819
21. **Gray GC**. Acute respiratory disease in the military. Federal Practitioner 1995;12:27-33.
22. Bassily S, Kotkat A, **Gray GC**, Hyams KC, Brown FM, Imam IZ, Arthur R. Comparative study of the immunogenicity and safety of two dosing schedules of hepatitis B vaccine in neonates. Am J Trop Med Hyg 1995;53:419-422. PMID: 7485697
23. **Gray GC**, Bassily S, Omar EA, Kothat AMSA, Wang SP, Grayston JT. Serologic evidence of respiratory infections among Egyptian military recruits. J Trop Med 1994;3:23-32.
24. Amundson DE, **Gray GC**. Lower respiratory tract infection in military recruits. Federal Practitioner 1996;13:49-53.
25. Herrin VE, **Gray GC**. Decreasing rates of hospitalization for varicella among young adults. J Infect Dis 1996;174:835-838.
26. **Gray GC**, Coate BD, Anderson CM, Kang HK, Berg SW, Wignall FS, Knoke JD, Barrett-Connor E. The postwar hospitalization experience of U.S. veterans of the Persian Gulf War. N Engl J Med 1996;335:1505-1513. PMID: 8890103
27. Cowan DN, DeFraités RF, **Gray GC**, Goldenbaum M, Wishik S. The risk of birth defects among children of Persian Gulf War veterans. N Eng J Med 1997;336:1650-1656. PMID: 9171068
28. **Gray GC**, Duffy LB, Paver RJ, Putnam SD, Reynolds RJ, and Cassell GH. *Mycoplasma pneumoniae*: A frequent cause of pneumonia among U.S. Marines in southern California. Milit Med 1997;162:524-526. PMID: 9271902
29. Jansen DL, **Gray GC**, Putnam SD, Lynn F, Meade BD. Evaluation of pertussis in US Marine Corps Trainees. Clin Infect Dis 1997;25:1099-1107. PMID: 9402365
30. Oldfield EC, Bone WD, Martin CR, **Gray GC**, Olson P, Shillaci RF. Prediction of relapse after treatment of coccidioidomycosis. Clin Infect Dis 1997;25:1205-1210. PMID: 9402382
31. Cowan DN, **Gray GC**, DeFraités RF. The authors reply to A Birth defects among children of Persian Gulf War veterans. N Engl J Med 1997;337:1175-1176. Letter.

32. Araneta MR, Moore CA, Olney R, Edmonds L, Karcher J, McDonough C, Hiliopoulous K, Schlangen K, **Gray GC**. Goldenhar syndrome among infants born in military medical treatment facilities to Persian Gulf War veterans. Teratology 1997;56:244-251. PMID: 9408975
33. **Gray GC**, McPhate DC, Leinonen M, Cassell GH, Deperalta EP, Putnam SH, Karcher JA, Sawyer MH, Laurila A, Connor JD. Weekly oral azithromycin as prophylaxis for agents causing acute respiratory disease. Clin Infect Dis 1998;26:103-110. PMID: 9455517
34. **Gray GC**, Fogle EV, Albright KL. Risk factors for primary pulmonary coccidioidomycosis hospitalizations among US Navy and Marine Corps personnel, 1981 to 1994. Amer J Trop Med Hyg 1998;58:309-312. PMID: 9546408
35. Knoke JD, **Gray GC**. Hospitalizations for unexplained illnesses among US Persian Gulf War veterans. Emerging Infectious Diseases 1998;4:211-219. PMID: 9621191
36. Fryauff DJ, Shoukry MA, Wassef HY, Gray G, Schreck CE. Contact toxicity of permethrin-impregnated fabric to *Hyalomma anatolicum excavatum* (Acari:Ixodidae): effects of laundering and exposure and recovery times. J Med Entomol 1998;35:335-339. PMID: 9615556
37. Jansen DL, Meade BD, Lynn F, **Gray GC**, Putnam SD. Evaluation of pertussis in US Marine Corps trainees - reply. Clin Infect Dis 1998;27:231-2. Letter.
38. **Gray GC**, Knoke JD, Berg SW, Wignall FS, Barrett-Connor E. Counterpoint: Responding to suppositions and misunderstandings. Amer J Epidemiol 1998;148:328-333. PMID: 9717875
39. Cowan DN, **Gray GC**, DeFraités RF. Counterpoint: Responding to inadequate critique of birth defects paper. Amer J Epidemiol 1998;148:326-327. PMID: 9717874
40. **Gray GC**, Hawksworth AW, Smith TC, Kang HK, Knoke JD, Gackstetter GD. Gulf War veterans' health registries. Who is most likely to seek evaluation? Amer J Epidemiol 1998;148:343-349. PMID: 9717877
41. Knoke JD, **Gray GC**. Hospitalizations after the Gulf War - Reply to K.M. Leisure et al. Emerging Infect Dis 1998;4:709. Letter. PMID: 10036226
42. Knoke JD, **Gray GC**, Garland FC. Lack of association of testicular cancer with Persian Gulf War service. Epidemiology 1998;9:648-653. PMID:
43. **Gray GC**, Callahan JD, Hawksworth AW, Fisher CA, Gaydos JC. Respiratory Disease Among U.S. Military Personnel: Strategies to Counter Emerging Threats. Emerging Infect Dis 1999;5:379-387.
44. **Gray GC**, Kaiser KS, Hawksworth AW, Watson HL. No Serological Evidence of an association found between Gulf War service and Mycoplasma fermentans infection. Amer J Trop Med Hyg 1999; 60:752-757. PMID: 10344648
45. **Gray GC**, Kaiser KS, Hawksworth AW, Hall FW, Barrett-Connor E. Increased postwar symptoms and psychological morbidity among US Navy Gulf War veterans. Amer J Trop Med Hyg 1999;60:758-766. PMID: 10344649
46. **Gray GC**, Smith TC, Knoke JD, Heller JM. The postwar hospitalization experience of Gulf War veterans possibly exposed to chemical munitions destruction at Khamisiyah, Iraq. Amer J Epidemiol 1999;150:532-540. PMID: 10472954
47. **Gray GC**, Kassira EK, Rodier GR, Myers MC, Calamaio CA, Gregory M, Nagi MAM, Kamal K, Botros BAM, Soliman AK, Hassan NF, Gregory R, Arunkumar BK, Cope A,

- and Hyams KC. Remote village survey for agents causing hepatosplenic disease in the Republic of Yemen. Tropical Doctor 1999;29:212-219. PMID: 10578634
48. Dlugosz LJ, Hocter WJ, Kaiser KS, Knoke JD, Heller JM, Hamid NA, Reed RJ, Hilton SM, Kendler KS, **Gray GC**. Risk factors for mental disorder hospitalization after the Persian Gulf War: US Armed Forces, June 1, 1991 B September 30, 1993. J Clin Epidemiol 1999;52:1267-78. PMID: 10580791
  49. McNeill KM, Hendrix RM, Lindner JL, Benton FR, Monteith SC, Tushscherer MA, **Gray GC**, Gaydos JC. Reemergence of Adenovirus Type 4-Associated Acute Respiratory Disease in US Army Trainees Report of a Large, Persistent Epidemic. Emerging Infectious Disease 1999;5:798-801. PMC2640815
  50. **Gray GC**, Smith TC, Kang HK, Knoke JD. Are Gulf War Veterans Suffering War-Related Illnesses? Federal and Civilian Hospitalizations Examined, June 1991 to December 1994. Amer J Epidemiol 2000;151:63-71. PMID: 10625175
  51. Kaiser KS, Hawksworth AW, **Gray GC**. Pyridostigmine bromide intake during the Persian Gulf War not associated with postwar handgrip strength, Milit Med 2000;165:165-8. PMID: 10741074
  52. Knoke JD, Smith TC, **Gray GC**, Kaiser KS, Hawksworth AW. Factor analysis of self-reported symptoms: Does it identify a Gulf War syndrome? Amer J Epidemiol 2000;152:379-88. PMID: 10968383
  53. Sato P, Ryan G, Gray G, Pittman P, Hoffman K, Costello C, Rehme P, Williams R, Rubertone M, Stanek S, Strawder G, Grabenstein J, Riddle J, Trump D. Surveillance for adverse events associated with anthrax vaccine immunizations - US Department of Defense, 1998-1999. MMWR 2000;49:341-5. PMID: 10817479
  54. Smith TC, **Gray GC**, Knoke JD. Is systemic lupus erythematosus, amyotrophic lateral sclerosis, or fibromyalgia associated with Persian Gulf War service? An examination of Department of Defense hospitalization data. Amer J Epidemiol 2000;151:1053-9. PMID: 10873128
  55. Ryan M, Gray G, Hawksworth A, Malasig M, Hudspeth M, Poddar S. The Naval Health Research Center respiratory disease laboratory, Milit Med 2000;165 (suppl 2):32-34. PMID: 10920635
  56. Putnam SD, **Gray GC**, Biedenback DJ, Jones RN. Pharyngeal colonization prevalence rates for *Streptococcus pyogenes* and *Streptococcus pneumoniae* in a respiratory chemoprophylaxis intervention study using azithromycin. Clin Microbiol Infect 2000;6:2-8. PMID: 11168029
  57. Bolton, JC, Gaydos JC, Barker, T, Barson, JV, Gackstetter, GC, Gray, GC, Huff, WB, Lohman, KI, May, L, Myint, KSA, Nauschuetz, WF, Nelson, AM, Neville, JS, Niemeyer, DM, Novak, DM, O'Brief, J, Pixley, C, Plotkin, G, Rumm, PD, Wasserman, GM. Military public health laboratory workshop GroupB: A Department of Defense directory of public health laboratory services for infectious agents and public health laboratory system – 22-23 September, 1999 Milit Med 2000;165(7 suppl 2):66-69. PMID: 10920644
  58. McDonough C, **Gray GC**. Risk factors for sarcoidosis hospitalization among US Navy and Marine Corps personnel, 1981 to 1995, Milit Med 2000;8:630-2. PMID: 10957860
  59. Araneta MRG, Destiche DA, Schlangen KM, Merz RD, Forrester MB, **Gray GC**. Birth Defects Prevalence among Infants of Persian Gulf War Veterans born in Hawaii, 1989-1993. Teratology 2000;62:195-204. PMID: 10992261
  60. **Gray GC**, Goswami PR, Malasig MD, Hawksworth AW, Trump DH, Ryan MA, Schnurr

- DP for the Adenovirus Surveillance Group. Adult Adenovirus Infections: Loss of Orphaned Vaccines Precipitates Military Respiratory Disease Epidemics. Clin Infect Dis 2000;31:663-70. PMID: 11017812
61. **Gray GC**, Smith TC, Hawksworth AW, Knoke JD. RE: "Factor analysis of self-reported symptoms: does it identify a Gulf War syndrome?" Four of the authors reply. Amer J Epidemiol, 2000;152:1205-6.
  62. Bush RA, Smith TC, Honner WK, **Gray GC**. Active surveillance of birth defects among U.S. Department of Defense beneficiaries a feasibility study, Milit Med, 2001;66:179-183. PMID: 11272718
  63. Le CT, **Gray GC**, Poddar SK. A modified rapid method of nucleic acid isolation from suspension of matured virus: Applied in restriction analysis of DNA from an adenovirus prototype and a patient isolate. J Med Microbiol, 2001;50:571-4. PMID: 11393295
  64. Earhart KC, Beadle C, Miller LK, Pruss M, **Gray GC**, Ledbetter EK, Regner HL, Treanor JJ, Wallace MR. Outbreak of influenza A in the vaccinated crew of a Navy ship. Emerg Infect Dis, 2001;7:463-5. PMC2631796
  65. Ryan MAK, **Gray GC**, Malasig MD, Erdman DD, Binn LN, Asher LV, Kehl SC, Dunn BE, Zablocki CJ, Yund AJ. Report of two fatal cases of adenovirus-related illness in previously healthy young adults. MMWR, 2001;50:553-5. PMID: 11456329
  66. Malasig MD, Goswami PR, Crawford-Miksza LK, Schnurr DP, **Gray GC**. A simplified microneutralization test for serotyping adenovirus. J Clin Microbiol, 2001;39:2984-6. PMC88276
  67. Blankenship TL, Gackstetter G, **Gray GC**. History of respiratory illness at the US Naval Academy. Milit Med. 2001;166:581-6. PMID: 11469028
  68. Guarino P, Peduzzi P, Donta ST, et al. A multicenter two by two factorial trial of cognitive behavioral therapy and aerobic exercise for Gulf War veterans' illnesses: design of a veterans affairs cooperative study (CSP #470). Control Clin Trials, 2001;22:310-32. PMID: 11384792
  69. **Gray GC**, Ryan MAK. Azithromycin chemoprophylaxis. J Infect Dis, 2001;184:657.
  70. Hudspeth MK, Smith TC, Barrozo CP, Hawksworth AW, **Gray GC** for the S. *pneumoniae* Surveillance Group. National Department of Defense surveillance for invasive *Streptococcus pneumoniae*: antibiotic resistance, serotype distribution, and DNA fingerprint analysis. J Infect Dis, 2001;184:591-6. PMID: 11474429
  71. **Gray GC**, Witucki PJ, Gould MT, Bell SJ, Hiliopoulos KM, McKeehan JA, Fuller JM, Barrozo CP, Hudspeth MK, Smith TC, Ledbetter EK, Wallace MR. Randomized, placebo-controlled clinical trial of oral azithromycin prophylaxis against respiratory infections in a high risk, young adult population. Clin Infect Dis. 2001;33:983-989. PMID: 11528569
  72. Putnam SD, **Gray GC**, Biendenbach And DL, Jones RN. Response. Clin Microbiol Infect . 2001;7:397-398, ltr.
  73. **Gray GC**, Schultz RG, Gackstetter GD, McKeehan JA, Aldridge KV, Hudspeth MK, Malasig MD, Fuller JM, McBride WZ. A prospective study of respiratory infections at the United States Naval Academy. Milit Med. 2001;166:759-763. PMID: 11569436
  74. Ryan MK, Pershyn-Kisor MA, Honner WK, Reed RJ, Smith TC, **Gray GC**. "Department of Defense Birth Defects Registry." Teratology 2001;64:S26-9. PMID: 11745841
  75. Hyams KC, Smith TC, Riddle J, Trump D, **Gray GC**. The risk of hepatitis among US military personnel: a study of hospitalization records from 1974 to 1999. Milit Med.

- 2001;166:862-65.
76. Ryan MAK, McKeehan JA, **Gray GC**, and the Pneumococcal Vaccine Study Team. Pneumococcal vaccine to counter emerging infectious disease threat in the military. Milit Med, 2001;166:1087-90. PMID: 11778410
  77. Hyams KC, Barrett DH, Duque D, et al. The Recruit assessment Program: a program to collect comprehensive baseline health data from U.S. military personnel. Milit Med. 2002;167:44-7. PMID: 11799812
  78. Ryan MAG, **Gray GC**, Smith B, McKeehan JA, Hawksworth AW, Malasig MD. Large epidemic of respiratory illness from adenovirus 7 and 3 among healthy young adults. Clin Infect Dis. 2002;34:577-82. PMID: 11803503
  79. Erdman D, Xu W, Gerber S, **Gray GC**, Schnurr D, Kajon A, Anderson LJ. Molecular epidemiology of adenovirus type 7 in the United States (1996-2000). Emerging Infect Dis, 2002;8:269-277. PMC2732469
  80. Smith TC, Heller JM, Hooper TI, Gackstetter GD, **Gray GC**. Are veterans of the Gulf War experiencing illness from Kuwaiti oil well fire smoke exposure? Department of Defense hospitalization data examined. Amer J Epidemiol. 2002;155:908-917. PMID: 11994230
  81. **Gray GC**, Reed RJ, Kaiser KS, Smith TS, Gastañaga VM. The Seabee Health Study: Self-reported symptoms and medical conditions among 11,868 Gulf War era veterans. Amer J Epidemiol, 2002;155:1033-1044. PMID: 12034582
  82. Chesbrough KB, Ryan MAK, Amoroso P, Boyko EJ, Gackstetter GD, Hooper TI, Riddle JR, **Gray GC**, and the Millennium Cohort Study Group. The Millennium Cohort Study: A 21-year prospective cohort study of 140,000 military personnel. Milit Med. 2002;167:483-488. PMID: 12099044
  83. Smith TC, Smith B, Ryan MAK, **Gray GC**, Hooper TI, Heller JM, Dalager NA, Kang KK, Gackstetter GD. Ten Years and 100,000 Participants Later: Occupational and Other Factors Influencing Participation in US Gulf War Health Registries. JOEM, 2002;44:758-768. PMID: 12185797
  84. The Prevention of Invasive Group A Streptococcal Infections Workshop Participants. Prevention of invasive group A streptococcal disease among household contacts of case patients and among postpartum and postsurgical patients: Recommendations from the Centers for Disease Control and Prevention. Clin Infect Dis, 2002;35:950-9. PMID: 12355382
  85. Smith B, Ryan M, **Gray GC**, Polonsky JM, Trump DH. Tuberculosis infection among young adults enlisting in the United States Navy. Int J Epidemiol. 2002;31:934-939. PMID: 12435763
  86. Kang HK, Bullman T, MacFarlane G, **Gray GC**. Mortality among US and UK veterans of the Persian Gulf War: A review. JOEM 2002;59:794-9. PMC1763601
  87. Sanchez JL, Craig SC, Kolavic S, Hastings D, Alsip BJ, **Gray GC**, Hudspeth MK, Ryan MAK. An outbreak of pneumococcal pneumonia among military personnel at high risk: Control by low-dose azithromycin post-exposure chemoprophylaxis Milit Med 2003;168;1-6. PMID: 12546236
  88. Ryan MAK, Smith TC, Honner WK, **Gray GC**. Varicella susceptibility and vaccine use among young adults enlisting in the United States. J Med Virol 2003; 70 Suppl 1:S15-9. PMID: 12627481
  89. Donta ST, Clauw DJ, Engel CC Jr, Guarino P, Peduzzi P, Williams DA, Skinner JS,

- Barkhuizen A, Taylor T, Kazis LE, Sogg S, Hunt SC, Dougherty CM, Richardson RD, Kunkel C, Rodriguez W, Alicea E, Chiliade P, Ryan M, **Gray GC**, Lutwick L, Norwood D, Smith S, Everson M, Blackburn W, Martin W, Griffiss JM, Cooper R, Renner E, Schmitt J, McMurtry C, Thakore M, Mori D, Kerns R, Park M, Pullman-Mooar S, Bernstein J, Hershberger P, Salisbury DC, Feussner JR. Cognitive behavioral therapy and aerobic exercise for Gulf War veterans' illnesses. *JAMA* 2003;289:1396-1404. PMID: 12636462
90. Barrett DH, **Gray GC**, Doebbeling BN, Clauw D, Reeves WC, the Persian Gulf Veterans Coordinating Board. The Prevalence of Symptoms and Symptom-based Conditions Among Gulf War Veterans: Current Status of Research Findings. *Epidemiol Rev.* 2003;24:218-227. PMID: 12762094
  91. Halsell JS, Riddle JR, Atwood JE, Gardner P, Shope R, Poland GA, **Gray GC**, Ostroff S, Eckart RE, Gibson RL, Grabenstein JD, Arness MD, Tornberg DN for the Department of Defense Smallpox Vaccination Clinical Evaluation Team. Post-vaccinial myocarditis: clinical sequela after vaccination with vaccinia virus. *JAMA* 2003;289:3283-89.
  92. Araneta RG, Schlangen KM, Edmonds LD, Destiche DA, Merz RD, Hobbs CA, Flood TJ, Harris JA, Krishnamurti D, **Gray GC**. Prevalence of Birth Defects Among Infants of Gulf War Veterans in Arkansas, Arizona, California, Georgia, Hawaii, and Iowa, 1989-1993. *Birth Defects Research* 2003;67:246-260. PMID: 12854660
  93. Crum NF, Wallace MR, Lamb CR, Conlin AS, Amundson DE, Olson PE, Ryan MAK, Robinson TJ, Ryan MAK, **Gray GC**, Earhart KC. Halting a pneumococcal pneumonia outbreak among United State Marine Corps Trainees. *Am J Prev Med* 2003;25:107-11. PMID: 12880877
  94. Smith TC, **Gray GC**, Weir CJ, Heller JM, Ryan MAK. Gulf War veterans and Iraqi nerve agents at Khamisiyah: Postwar hospitalization data revisited. *Amer J Epidemiol.* 2003, 158:457-467.
  95. Barrozo CP, Russell KL, Smith TC, Hawksworth AW, Ryan MAK, **Gray GC**, DoD S. pyogenes Surveillance Group. National Department of Defense surveillance for clinical Group A streptococcal isolates, antibiotic resistance, and emm types from 8 basic training military sites. *J Clin Microbiol*, 2003;41:4808-11. PMC254343
  96. Memish ZA, Balkhy HH, Shibl AM, Barrozo CP, **Gray GC**. *Streptococcus pneumoniae* in Saudi Arabia: antibiotic resistance and serotypes among recent clinical isolates. *International J Infect Dis*, 2004;23:32-38. PMID: 14732311
  97. Araneta MRG, Kamens DR, Gastañaga VM, Zau AC, Schlangen KM, Hiliopoulos KM, **Gray GC**. Conceptions and pregnancy during the Persian Gulf War: the risk to women veterans. *Ann Epidemiol*, 2004;14:109-116. PMID: 15018883
  98. Blasiote DA, Metzgar D, Daum LT, Ryan MA, Wu J, Wills C, Le CT, Freed NE, Hansen CJ, **Gray GC**, Russell KL. Molecular Analysis of Adenovirus Isolates from Vaccinated and Unvaccinated Young Adults. *J Clin Microbiol.* 2004;42:1686-693. PMC387592
  99. Smith TC, Jimenez DL, Smith B, **Gray GC**, Hooper TI, Gackstetter GD, Heller JM, Dalager NA, Kang HK, Hyams KC, Ryan MAK. The Postwar Hospitalization Experience of Gulf War Veterans Participating in US Health Registries. *J Occup Environ Med*, 2004; 46:386-397. PMID: 15076657
  100. Guchev IA, **Gray GC**, Klochkov OI. Two regimens of azithromycin prophylaxis against community acquired respiratory and skin/soft-tissue infections among military trainees. *Clin Infect Dis.* 2004;38:1095-1101. PMID: 15095213

101. Lim ML, Gabele SE, Wallace MR, **Gray GC**, Earhart KC. Upper respiratory tract infections (URI). *Mil Med.* 2004;169:xv-xvi. Letter. PMID: 15132241
102. Smith TC, Corbeil TE; Ryan MAK, Heller JM, **Gray GC**. In-Theater Hospitalizations of US and Allied Personnel During the 1991 Gulf War. *Amer J Epidemiol*, 2004;159:1064-1076. PMID: 15155291
103. **Gray GC**, Gackstetter GD, Kang HK, Graham JT, Scott KC. After More than 10 Years of Gulf War Veteran medical evaluations, What have we learned? *J Prev Med*, 2004;26:443-452. PMID: 15165662
104. Boivin G, Mackay I, Sloots TP, Madhi S, Freymuth F, Wolf D, Shemer-Avni Y, Ludewick H, **Gray GC**, LeBlanc E. Global genetic diversity of the human metapneumovirus fusion gene. *Emerg Infect Dis*, 2004;10:1154-7. PMC3323143
105. Smith TC, Smith B, Corbeil TE, Riddle JR, and Ryan MAK, and the Millennium Cohort Study Team. Self-reported mental health among US military personnel, prior and subsequent to the terrorist attacks of September 11, 2001. *J Occup Environ Med*; 2004;46:775-82. PMID: 15300128
106. **Gray GC**, Setterquist SF, Jirsa SJ, DesJardin LE, Erdman DD. Emergent strain of human adenovirus endemic in Iowa. *Emerg Infect Dis*, 2005;11:127-8. PMC3294348
107. Hooper TI, Smith TC, **Gray GC**, Al Qahtani MS, Memish ZA, Schlangen KM, Cruess DF, Barrett DH, Schlangen KM, Ryan MAK, Gackstetter GD. Saudi-US collaboration in health research: a formula for success, *Am J Infect Control*, 2005;33:192-6. PMID: 15798676
108. Gackstetter GD, Al Qahtani MS, Smith TC, Memish ZA, Schlangen KM, Cruess DF, Barrett DH, **Gray GC**, Ryan MAK, Hooper TI. Assessing the potential health impact of the 1991 Gulf War on Saudi Arabian National Guard soldiers. *J Int Epidemiology*. 2005;34:801-8. PMID: 15737976
109. O'Shea MK, Ryan MAK, Hawksworth, AW, Alsip BJ, **Gray GC**. Symptomatic respiratory syncytial virus infection among previously healthy young adults living in a crowded military environment. *Clin Infect Dis* 2005;41:311-17. PMID: 16007526
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  156. Reed RJ, Smith TC, Wang LZ, and Sato PA. DoD-wide surveillance for illnesses requiring hospitalization potentially associated with anthrax immunization: 1998 data. San Diego Epidemiology Exchange, 11 May 2001, San Diego, CA.
  157. Schlangen KM, Smith B, Smith TC, Ryan MAK, **Gray GC**, and the Millennium Cohort Team. Do survey incentives really encourage participation? A study of incentives within the Millennium Cohort Study. San Diego Epidemiology Exchange, 11 May 2001, San Diego, CA.
  158. Schlangen KM, Smith B, Smith TC, Ryan MAK, **Gray GC**, and the Millennium Cohort Study Team. Do Survey Incentives Really Encourage Participation? A Study of Incentives

- within the Millennium Cohort Study. 41st Navy Occupational Health and Preventive Medicine Workshop, 12-17 May 2001, San Diego, CA.
159. Kaufman S, Honner WK, Reed RJ, McKeegan JA, King JC, Ryan MAK, and **Gray GC**. The value of active case validation in the Department of Defense birth defects registry. San Diego Epidemiology Exchange, 11 May 2001, San Diego, CA.
  160. Gumbs GR, Smith TC, Reed RJ, Whitmer JR, and **Gray GC**. The use of complementary and alternative medicine among active-duty Navy and Marine Corps personnel. San Diego Epidemiology Exchange, 11 May 2001, San Diego, CA.
  161. Chesbrough KB, Ryan MAK, and **Gray GC**. The Millennium cohort study. San Diego Epidemiology Exchange, 11 May 2001, San Diego, CA.
  162. Schlangen KM, Smith B, Smith TC, Ryan MAK, **Gray GC**, and the Millennium Cohort Team. Do survey incentives really encourage participation? A study of incentives within the Millennium cohort study. 41st Annual Navy Occupational Health and Preventive Medicine Workshop, 12-17 May 2001, San Diego, CA.
  163. Baker CI, Ryan MAK, **Gray GC**, and the Pneumococcal Vaccine Study Team. A double-blind, placebo-controlled efficacy trial of the 23-valent pneumococcal vaccine among military trainees at high risk of respiratory disease. 41st Annual Navy Occupational Health and Preventive Medicine Workshop, 12-17 May 2001, San Diego, CA.
  164. Hogan BA, Ryan MAK, McKeegan JA, **Gray GC**, and Hyams KC. Recruit Assessment Program pilot study. 41st Annual Navy Occupational Health and Preventive Medicine Workshop, 12-17 May 2001, San Diego, CA.
  165. Chesbrough KB, Ryan MAK, **Gray GC**, and the Millennium Cohort Study Team. The Millennium cohort study. 41st Annual Navy Occupational Health and Preventive Medicine Workshop, 12-17 May 2001, San Diego, CA.
  166. Wang LZ, Hawksworth AW, Malasig MD, and **Gray GC**. Risk factors for adenovirus infection among US military trainees. 41st Annual Navy Occupational Health and Preventive Medicine Workshop, 12-17 May 2001, San Diego, CA.
  167. Whitmer J, for the Millennium Cohort Study Team. Methods for Mail Cost Control in a Mass Mailed Survey Instrument. 42nd Navy Occupational Health and Preventive Medicine Workshop, 14-22 March 2002, Chesapeake, VA.
  168. Lim ML, Wallace MR, **Gray GC**, Gabele SG, Javery T, Earhart KC, Naval Medical Center-San Diego and Naval Health Research Center, San Diego CA. Influenza Among Military Personnel at Sea: Report of a Pilot Study. American Society of Microbiology. 19-23 May 2002 Salt Lake City, Utah.
  169. Wang LZ, Hawksworth AW, **Gray GC**. A dichotomous logistic regression model for predictors of adenovirus infection among military trainees. Western Users of SAS Software, 5-7 Sept 2001, San Francisco, CA.
  170. Earhart, KC, Conlin A, Crum, NF, Olson, PE, Robinson, TJ, Ryan M, **Gray GC**. Pneumococcal pneumonia outbreak in military recruits. Infectious Disease Society of American 2001, 25-28 October, 2001, San Francisco, CA. Abstract 876.
  171. Ryan MAK, Honner WK, and **Gray GC**. Risk factors associated with group A streptococcal pharyngitis in military recruits. 41st Interscience Conference on Antimicrobial Agents and Chemotherapy. December 16-19, 2001, Chicago, IL.
  172. Hawksworth AW, Malasig MD, Williams ST, Hewitson D, Wolf S., Conolly JL, Ryan MAK, and **Gray GC**. Clinical evaluation of two rapid diagnostic tests for influenza. 41st

- Interscience Conference on Antimicrobial Agents and Chemotherapy. December 16-19, 2001, Chicago, IL.
173. Evans LA, Chesbrough KB, Ryan MAK, and **Gray GC** for the Millennium Cohort Study Team. The Millennium Cohort Study: Launch of the Largest Longitudinal Study of Military Men and Women. First Interagency Research Symposium on Health Issues of Military and Veteran Women, 6-7 June 2002, Arlington, VA.
  174. Sanchez JL, Kolavic-Gray SA, Hudspeth M, Janoff EN, Mathews C, Polyak C, Craig SC, Feighner BH, Alsip BJ, James GO, Gay S, **Gray GC**, Malasig M, Bautista C. Randomized, double-blind, placebo-controlled efficacy trial of 23-valent pneumococcal vaccine and benzathine penicillin G in the prevention of acute febrile respiratory disease and cellulitis among US military personnel. *Am J Trop Med Hyg* 2001; 65(3) Suppl.; (Abstract No. 349).
  175. Setterquist S, **Gray GC**. A Comparison of LLC-MK2 and R-Mix (A549, Mv1Lu) Cells for the Detection of Human Metapneumovirus (hMPV) 19th Clinical Virology Symposium. April 27-30, 2003. Clearwater Beach, FL.
  176. Gumbs G, Ryan MAK, Millennium Cohort Team. The Millennium Cohort Study. 6th Annual Force Health Protection Conference, 11-17 Aug 2003, Albuquerque, NM.
  177. **Gray GC**, Setterquist S, Jirsa SJ, Desjardin LE, Erdman DD. An Emergent, Possibly More Virulent, Strain of Human Adenovirus Has Become Endemic in the Midwest. International Conference on Emerging Infectious Diseases, Feb 29 - Mar 3, 2004, Atlanta, GA
  178. **Gray GC**, Setterquist S, Sanchez JL, Peret TC, Boivin G, Canas LC, Neville JS, Chauca G, Olson JG. Human Metapneumovirus and Respiratory Infections in South America. International Conference on Emerging Infectious Diseases, Feb 29 - Mar 3, 2004, Atlanta, GA
  179. Chretien JP, Smith TC, Smith B, Corbeil TE, Young S, Ryan MAK. An Evaluation of Early Response Bias in the Millennium Cohort. 43rd Navy Occupational Health and Preventive Medicine Workshop, 20-26 Mar 2004, Chesapeake, VA. Awarded best research and development research poster.
  180. Smith TC, Smith B, Corbeil TE, Riddle JR, Ryan MAK. Self-Reported Mental Health Among US Military Personnel, Prior and Subsequent to the Terrorist Attacks of September 11, 2001. 43rd Navy Occupational Health and Preventive Medicine Workshop, 20-26 Mar 2004, Chesapeake, VA.
  181. Gumbs G, Clark S, Corbeil T, Hume S, Jackson S, Martin N, Reed R, Smith B, Smith T, Speigle S, Wells T, Whitmer J, Young S, Ryan M. The Millennium Cohort Study. 43rd Navy Occupational and Preventive Medicine Workshop, 20-26 Mar 2004, Chesapeake, VA. Awarded best research and development information poster.
  182. Setterquist S, **Gray GC**, Jirsa SJ, Desjardin LE, Erdman DD. An Emergent, Possibly More Virulent, Strain of Human Adenovirus Has Become Endemic in the Midwest. University of Iowa's Research Week, Mar 30-April 2, 2004, Iowa City, IA
  183. Setterquist S, **Gray GC**, Sanchez JL, Peret TC, Boivin G, Canas LC, Neville JS, Chauca G, Olson JG. Human Metapneumovirus and Respiratory Infections in South America. University of Iowa's Research Week, Mar 30-April 2, 2004, Iowa City, IA
  184. Myers K, Setterquist S, Lucy E, Desjardin LE, Olsen C, Katz J, Thacker E, Bridges C, **Gray GC**. Are Iowa's Meat Processing Workers at Increased Risk of Zoonotic Infections? University of Iowa's Research Week, Mar 30-April 2, 2004, Iowa City, IA

185. Appelgate DM, **Gray GC**, Alden B, Doern GV. Evaluation of New Rapid Diagnostic Tests For Influenza A and Respiratory Syncytial Virus. University of Iowa's Research Week, Mar 30-April 2, 2004, Iowa City, IA
186. Ryan M and the Millennium Cohort Study Team. The Millennium Cohort Study. Human Factors and Medicine Panel Symposium on NATO Medical Surveillance and Response: Research and Technology Opportunities and Options, HFM-108/SY-013, 19-21 April 2004, Budapest, Hungary.
187. Gaydos CA, Ginocchio C, LeBar W, Lovchik J, Hammerschlag M, Mazzulli T, **Gray GC**, Khalil A, Wood B, Rothman R. Performance of the BDProbeTec™ ET System for the Detection of the *Chlamydiaceae* family and Its Evaluation in Clinical Respiratory Specimens. American Society for Microbiology 104th General Meeting, May 23-27, 2004, New Orleans, LA.
188. Gray G, Duffy L, Gaydos CA, Ginocchio CC, LeBar W, Lovchik J, Hammerschlag M, Mazzulli T, Rothman R. BD ProbeTec™ ET System for the Detection of the *Mycoplasma pneumoniae* from Clinical Respiratory Specimens. American Society for Microbiology 104th General Meeting, May 23-27, 2004, New Orleans, LA.
189. Wellman D, Appelgate D, Poulter M, Gray G. Evaluation of new rapid diagnostic tests for respiratory syncytial virus, influenza A, and influenza B. 21st Clinical Virology Symposium. May 8-11, 2005. Clearwater Beach, FL.
190. Serotype distribution of respiratory adenoviruses in Egypt determined by serial multiplex PCR. Metzgar D, Osuna M, Yingst S, Rakha M, Earhart K, Elyan D, Esmat H, Darwish M, Kajon A, Wu J, y Gray G, Ryan M, and Russell K. 44th Navy Occupational Health and Preventive Medicine Workshop, 12-18 Feb 2005, Virginia Beach, VA.
191. Kajon AE, Moseley J, Wadleigh A, **Gray GC**, Metzgar D, Ryan MAK, Russell KL. Molecular epidemiology of adenovirus type 4 infections of military recruits between 1997 and 2002. TH International Union of Microbiological Sciences Conference: Microbes in a Changing World. July 23-28, 2005, San Francisco, CA.
192. Rainwater KR, **Gray GC**, Jones FR. Drinking water contamination as a Peruvian military base in the Amazon River basin. University of Iowa 7th Student Interdisciplinary Health Research Poster Session, April 21, 2005, Iowa City, IA
193. Smith B, Smith TC, Corbeil TE, **Gray GC**, Ryan MK for the Millennium Cohort Study Team. When Epidemiology Meets the Internet: Web-Based Questionnaires. 2005 San Diego Epidemiology Research Exchange, May 6th, 2005, San Diego, CA.
194. Riddle JR, Smith TC, Smith B, Corbeil TE, Engel CC, Wells T, Hoge C, Adkins J, Zamorski M, Blazer D, for the Millennium Cohort Study Team. Health Effects of Military Service: The Mental Health of the Millennium Cohort. 2005 San Diego Epidemiology Research Exchange, May 6th, 2005, San Diego, CA.
195. Smith B, Smith TC, Corbeil TE, **Gray GC**, Ryan MA for the Millennium Cohort Study Team. When Epidemiology Meets the Internet: Web-Based Surveys. San Diego Epidemiology Research Exchange, May 6th, 2005, San Diego, CA
196. Smith B, Smith TC, Corbeil TE, **Gray GC**, Ryan MA for the Millennium Cohort Study Team. When Epidemiology Meets the Internet: Web-Based Surveys. USUHS Research Week. Exchange, May 5-9, 2005, San Diego, CA
197. Smith B, Smith TC, Corbeil TE, **Gray GC**, Ryan MA for the Millennium Cohort Study Team. When Epidemiology Meets the Internet: Web-Based Surveys. 8th Annual Force Health Protection Conference. Louisville, KY, August 7-12, 2005.

198. Riddle JR, Smith TC, Smith B, Corbeil TE, Engel CC, Wells T, Hoge C, Adkins J, Zamorski M, Blazer D, for the Millennium Cohort Study Team. Prevalence of Mental Health Morbidity in the US Military: The Baseline Mental Health of the Millennium Cohort. 8th Annual Force Health Protection Conference. Louisville, KY, August 7-12, 2005.
199. Chauca G, Cabada M, Montano SM, Gamero ME, Laguna A, Maldonado F, Sanchez JL, **Gray GC**, Canas L, Olson JG. Upper Respiratory Tract Viral Pathogens in Cusco – Peru, 2000:2005. American Society of Tropical Medicine and Hygiene 54th Annual Meeting Washington, DC, December 11-15, 2005
200. **Gray GC**, McCarthy T, Capuano AW, Lynch CF, Wellman DA, Leshner KA, Setterquist SF, Miller NJ, Gillette PAP, Olson CW, Klimov AI, Alavanja MC, Katz JM. Population-based Surveillance for Zoonotic Influenza A in Agricultural Workers. International Conference on Emerging Infectious Diseases, Mar 19-22, 2006, Atlanta , GA.
201. **Gray GC**, Capuano AW, Setterquist SF, Erdman DD, Newell ND , Abed Y, Doern GC, Sarah SE, Boivin G. Risk factors for Human Metapneumovirus Infection and Genomic Variation at a US Midwestern Referral Laboratory. International Conference on Emerging Infectious Diseases, Mar 19-22, 2006, Atlanta , GA.
202. Velayudhan B, Nagaraja K, Thachil A, Shaw D, **Gray GC**, Halvorson D. Human Metapneumovirus Causes Clinical Signs in Turkeys . International Conference on Emerging Infectious Diseases, Mar 19-22, 2006, Atlanta , GA.
203. **Gray GC**, McCarthy T, LeBeck M, Erdman DD, Schnurr DP, Russell KL, Kajon AE, Dawson JD, Doern GV, Crawford-Miksza LK. National Surveillance for Emerging Adenovirus Infections. International Conference on Emerging Infectious Diseases, Mar 19-22, 2006, Atlanta, GA.
204. Ramirez A, Capuano AW, Wellman DA, Setterquist SF, **Gray GC**. Zoonotic Influenza Risk and Personal Protective Devices. International Conference on Emerging Infectious Diseases, Mar 19-22, 2006, Atlanta , GA. PMC1673213.
205. Gill JS, Webby R, Gilchrist MJ, **Gray GC**. Avian Influenza Infection in Waterfowl Hunters and Wildlife Professionals. International Conference on Emerging Infectious Diseases, Mar 19-22, 2006, Atlanta , GA.
206. **Gray GC**, Capuano AW, Setterquist SF, Erdman DD, Newell ND , Abed Y, Doern GC, Sarah SE, Boivin G. Risk Factors for Human Metapneumovirus Infection and Genomic Variation at a US Midwestern Referral Laboratory. University of Iowa Research Week Mar 28-31, 2006, Iowa City, IA.
207. **Gray GC**, McCarthy T, Capuano AW, Lynch CF, Wellman DA, Leshner KA, Setterquist SF, Miller NJ, Gillette PAP, Olson CW, Klimov AI, Alavanja MC, Katz JM. Population-based Surveillance for Zoonotic Influenza A in Agricultural Workers. University of Iowa Research Week Mar 28-31, 2006, Iowa City, IA.
208. **Gray GC**, McCarthy T, LeBeck M, Erdman DD, Schnurr DP, Russell KL, Kajon AE, Dawson JD, Doern GV, Crawford-Miksza LK. National Surveillance for Emerging Adenovirus Infections. University of Iowa Research Week Mar 28-31, 2006, Iowa City, IA.
209. Capuano AW, Dawson AW, **Gray GC**. Maximizing the Statistical Assessment of Antibody Titer Data: The Proportional Odds Model. University of Iowa Research Week Mar 28-31, 2006, Iowa City, IA.

210. Lebeck M, McCarthy T, Hall N, Russell KL, Erdman DD, **Gray GC**. Adenovirus Contamination of Surface Water Samples. University of Iowa Research Week Mar 28-31, 2006, Iowa City, IA.
211. Barry-Murphy K, Setterquist S, Gray G, Elliott G, Reid S. Development Of A Novel Immunoassay For The Detection Of Human Metapneumovirus In Clinical Specimens. Clinical Virology Symposium, Clearwater Florida, April 30 - May 3, 2006
212. **Gray GC**, McCarthy T, Capuano AW, Lynch CF, Wellman DA, Leshner KA, Setterquist SF, Miller NJ, Gillette PAP, Olson CW, Klimov AI, Alavanja MC, Katz JM. Population-based Surveillance for Zoonotic Influenza A in Agricultural Workers. Second North American Congress on Epidemiology, June 21-24, 2006, Seattle, WA.
213. Chu LK, Smith B, Smith TC, Boyko EJ, Gackstetter GD, **Gray GC**, Heller JM, Weese CB, Ryan MAK, and the Millennium Cohort Study Team. Respiratory Illness in OIF/OEF Deployers of the Millennium Cohort Study. 9th Annual Force Health Protection Conference, August 6 - 11, 2006, Albuquerque, NM.
214. Hall N, Obrien E, Weyer P, Gray G, Field W. Microcystin Toxin and Enterococci Indicator Levels Associated with Freshwater Recreational Waterborne Illness. American Society of Microbiology, 107th General Meeting, May 21 - 25, 2007, Toronto, Ontario, Canada.
215. Davis, M, Kamel F, Hoppin J, Alavanja M, Freeman L, Gray G, McKhann G, Nelson K, Silbergeld EK Neurologic symptoms associated with raising poultry and swine among participants in the Agricultural Health Study APHA 137th Annual Meeting, November 7-11, 2009, Philadelphia, PA.
216. Heil GL, McCarthy T, Yoon KJ, Liu S, Saad MD, Smith CB, Houck JA, Dawson E, Rowlen K, **Gray GC**. Mchip, a Low Density Microarray, Differentiates Among Seasonal Human H1N1, Classical Swine H1N1, and 2009 Pandemic Influenza A (H1N1). International Symposium on Neglected Influenza Viruses, 3-5 February 2010, Amelia Island, FL.
217. Baker WS, Heil GL, **Gray GC**. Canine Influenza Virus among Persons Occupationally Exposed to Dogs. International Symposium on Neglected Influenza Viruses, 3-5 February 2010, Amelia Island, FL.
218. **Gray GC**, Bender JB, Bridges CB, Daly RF, Baker WS, Heil GL, Capuano AW, Gramer MR, Schmitt BJ, Swenson SL, Cox NJ. Pandemic Influenza Virus Among Healthy US Swine Show Pigs. International Symposium on Neglected Influenza Viruses, 3-5 February 2010, Amelia Island, FL.
219. Bender JB, Beaudoin A, Gramer MR, Baker WS, **Gray GC**. Influenza virus among Midwestern pigs, 2008 – 2009. CSTE, 2010 Annual Meeting, Council of State and Territorial Epidemiologists, June 6-10, 2010
220. Baker WS, Brower A, **Gray GC**. Evidence for Brucella canis Infection among Persons Occupationally Exposed to Dogs. International Conference on Emerging Infectious Diseases, 11-14 July 2010, Atlanta, GA.
221. Vegosen L, Davis M, Silbergeld E, Breyse P, Gray G, Beane Freeman L, Kame F. Occupational Exposure to Campylobacter jejuni and Autoimmune Peripheral Neuropathy in Farmers. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 July 2010.
222. Chorazy ML, Lebeck MG, McCarthy TA, Richter SS, Torner JC, **Gray GC**. Polymicrobial Acute Respiratory Tract Infections Are Common among a Hospital-based

- Pediatric Population. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 July 2010.
223. Barr KL, Reese K, Heil GL, **Gray GC**. Recovery of Live Virus from ViveST™ After Storage at Ambient Temperature. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
  224. Heil GL, Yondon M, Jamiyan B, Zayat B, **Gray GC**. Equine Influenza A Epizootic in Mongolia, 2011: Isolation and Characterization of a H3N8 Virus. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
  225. Waltzek TB, Cortes-Hinojosa GA, Wellehan JFX, **Gray GC**. US National Surveillance for Influenza Viruses among Marine Mammals. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
  226. Anderson BD, Barr KL, Heil GL, Friary JA, **Gray GC**. A Comparison of Viral Fitness and Virulence between Emergent Human Adenovirus 14p1 and Prototype 14p Strains. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
  227. Atanasova KR, Hesse RA, **Gray GC**. Serological Evidence of Human Infection with Porcine Reproductive and Respiratory Syndrome Virus. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
  228. Khuntirat B, Yoon LK, Chittagampitch M, Tannitisupawong D, Krueger WS, Supawat K, Blair PJ, Putnam SD, Gibbons RV, Sawanpanyalert P, Heil GL, Friary JA, **Gray GC**. "Subclinical or Mild Pandemic Influenza A (H1N1) Virus Infection among Adults in Rural Thailand." XIV International Symposium on Respiratory Viral Infections, 23-26 March 2012, Istanbul, Turkey.
  229. Wellehan, JFX, Cortes-Hinojosa G, Gulland FMD, Goldstein T, Venn-Watson, S, **Gray GC**. Walking in the California Sea Lion (*Zalophus californianus*) Adenovirus (OtAdV-2) genome. Florida Marine Mammal Health Conference IV, Sarasota, FL, April 24-27, 2012.
  230. Vegosen L, Breysse PN, Agnew J, **Gray GC**, Nachamkin I, Sheikh K, Kamel F, Silbergeld E. Occupational Exposure to Farm Animals and Antibody Biomarkers of *Campylobacter jejuni* Exposure and Autoimmune Peripheral Neuropathy. Occupational exposure to farm animals and antibody biomarkers of *campylobacter jejuni* exposure and autoimmune peripheral neuropathy. 141st APHA Annual Meeting, November 2-6, 2014.
  231. Burnell FJ, Holmes MA, Roiko AH, Lowe JB, Heil GL, White SK, and **Gray GC**. Little Evidence of Human Infection with Equine Influenza during the 2007 Epizootic, Queensland Australia. 31st Annual Clinical Virology Symposium and Annual Meeting of the Pan American Society for Clinical Virology, Daytona Beach, Florida, April 26-29 2015
  232. Anderson BD, Ma M, Xia Y, Wang T, Shu B, Lednicky JA, **Gray GC**. A One Health Approach for Studying Swine Influenza Virus Transmission in Pig Farms, China. 3rd International Symposium on Neglected Influenza Viruses, Athens, Georgia, USA, April 15-17, 2015.
  233. Anderson BD, Ma M, Xia Y, Wang T, Shu B, Lednicky JA, **Gray GC**. A One Health Approach for Studying Swine Influenza Virus Transmission in Pig Farms, China. International Conference on Emerging Infectious Diseases, Atlanta, Georgia, USA, August 24-26, 2015

c: Editorials, position, and background papers

Consultant appointments: (Include US government, state, private organizations, etc.)

| Position Title                   | Dates of Service | Location / institution   |
|----------------------------------|------------------|--|
| Member                           | 2002-6           | US Armed Forces Epidemiological Board  |
| Interim Chief Scientific Advisor | 2006-7           | University of Iowa Hygienic Laboratory (260 employees)   |
| Adjunct Professor                | 2008-            | University of the Sunshine Coast, Maroochydore, Australia  |
| Member Board of Advisors         | 2008-            | Center for Health Policy and Public Health at Babeş-Bolyai University in Cluj-Napoca, Romania.   |
| Member                           | 2010-12          | IOM Committee on Readjustment Needs of Military Personnel, Veterans and their Families   |
| Member                           | 2010-13          | 2010-12 FDA/CBER Vaccines and Related Biological Products Advisory Committee   |
| Member                           | 2010-13          | IOM Board on the Health of Select Populations  |
| Member                           | 2010-13          | IOM Medical Follow-up Agency Advisory Committee  |
| Visiting Professor               | 2012-            | Institute of Microbiology and Epidemiology, Academy of Military Medical Science, Beijing, P.R. China   |
| Member                           | 2012-            | Board of the Department of Veterans Affairs' National Center for Occupational Health and Infection Control (COHIC)   |
| Member                           | 2012             | National Marine Mammal Foundation Scientific Advisory Board  |
| Member                           | 2013             | Advisory Board member, Cluj School of Public Health, Babeş-Bolyai University, Cluj-Napoca, Romania   |
| Visiting Professor               | Oct 2013         | Sun Yat-sen University, College of Public Health, Guangzhou, P.R. China  |
| "High End Foreign Expert"        | 2014             | Sun Yat-sen University, College of Public Health, Guangzhou, P.R. China. This is a top 10 national university and only the 2 <sup>nd</sup> time they have won one of these prestigious grants. |
| Ding Ying Guest Professor        | 2014-17          | South China Agricultural University, Guangzho, P.R. China. Visting Professorship (Nov 7, 2014-Nov 6, 2017)   |

Professional awards and special recognitions:

| Year | Title  |
|------|--|
| 1983 | Excellence in Psychiatry Award, University of Alabama at Birmingham, School of Medicine  |
| 1990 | Navy Commendation Medal and a Meritorious Unit Commendation from the Secretary of the Navy for epidemiologic research. Finished third overall in the 1990 Cairo (Egypt) Grand Prix Triathlon |
| 1993 | Awarded the Louis Weinstein award for best clinical paper in <i>Clinical Infectious Diseases</i> .   |
| 1994 | Awarded the Albert Leary Gihon Medal for outstanding accomplishments in Navy Preventive Medicine   |

| Year   | Title  |
|--------|--|
| 1996   | Nominated by the Navy's Bureau of Medicine and Surgery for the Association of Military Surgeons of the United States Gorgas Medal for distinguished work in preventive medicine  |
| 1998   | Received Brooke Visiting Professorship from the Epidemiology & Public Health Medicine Section of the Royal Society of Medicine (London) for epidemiological work among Gulf War veterans   |
| 1998   | Nominated by the Navy's Bureau of Medicine and Surgery for the Department of the Navy's Captain Robert Dexter Conrad Award for epidemiological research. This award is the Navy's highest honor for scientific achievement   |
| 2000   | Finalist for US Medicine's Frank Berry Prize in Federal Medicine   |
| 2000   | Screened for Commanding Officer, US Navy   |
| 2000   | Drafted and won funding for DoD's largest ever prospective cohort study, the Millennium Cohort Study (n=140,000 x 21 years)  |
| 2000   | Drafted and won grant for the DoD's largest ever vaccine trial, 23-Valent Pneumococcal Vaccine Trial (n=191,000)   |
| 2001   | The Navy Operational Research Award (Gregory C. Gray Award for Operational Research) and the Navy Respiratory Disease Laboratory (Gregory C. Gray Respiratory Disease Laboratory) were named in his honor  |
| 2001   | Received Department of Defense Legion of Merit Medal for exceptionally meritorious conduct (epidemiological research) for the Department of Defense  |
| 2003   | Secretary of Defense Medal for Outstanding Public Service. DoD's 2 <sup>nd</sup> highest award for a civilian  |
| 2005   | College of Public Health nominee for University of Iowa's President and Provost Award for Teaching Excellence  |
| 2005   | University of Iowa College of Public Health Faculty Teaching Award   |
| 2005   | Global Health Studies Program Faculty Member of the Year   |
| 2005-6 | Appointed a special consultant to the Department of Defense/Health Affairs regarding pandemic influenza  |
| 2006   | College of Public Health nominee for University of Iowa's President and Provost Award for Teaching Excellence  |
| 2006   | JR Irons Keynote Lecturer: "The Potential for Animal to Human Transmission: Science vs. Speculation" 2006 International and Southwest Conferences on Diseases Transmissible to Man, San Antonio, Texas, August 1-4, 2006.  |
| 2006   | Nominated by students to be featured in the "Mentorship Matters" section of the University of Iowa College of Public Health Epidemiology Student Association newsletter.   |
| 2007-  | Appointed as a mentor in the Medical Scientist Training Program at the University of Iowa's Carver College of Medicine.  |
| 2007   | Walter L. Wilkins Award for Excellence in Navy Biomedical Research for best published paper from the Naval Health Research Center, San Diego; Russell KL, Hawksworth AW, Ryan MA, Strickler J, Irvine M, Hansen CJ, <b>Gray GC</b> , Gaydos JC. Vaccine-preventable adenoviral respiratory illness in US military recruits, 1999-2004. Vaccine. 2006;15:2835-42. |
| 2007   | Epidemiology Student Association Outstanding Mentor award  |
| 2007   | University of Iowa College of Public Health Faculty Research Award   |
| 2008   | Nominated & elected into the Delta Omega Public Health Honor Society, Alpha Phi Chapter  |
| 2008   | Organized an International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, May 15-16, 70 participants from 5 countries attended  |

| Year    | Title   |
|---------|---|
| 2008-   | Proposed, won funding and approval for a new Certificate in Emerging Infectious Diseases Epidemiology program – focused upon helping international professionals work towards a degree in public health, 24 trainees during 2008-9; 33 trainees 2009-10 |
| 2008-   | Invited to participate in the FAO-OIE-WHO Joint Technical Consultation on Avian Influenza at the Human Animal Interface, Verona, Italy, 7-9 October   |
| 2008-11 | Appointed to the Infectious Disease Society of America's National & Global Public Health Committee  |
| 2009    | University of Iowa International Studies Faculty Mentor of the Year   |
| 2009    | Association of Schools of Public Health, photograph of the month, July  |
| 2009    | Named University of Iowa College of Public Health Distinguished Faculty Lecturer  |
| 2009    | Organized 2nd International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, July 8-10, 140 participants attended  |
| 2009    | Received the Medal of Honor from Mongolia's Minister of Health for health sector development (MoH's highest award)  |
| 2009    | Received the Peace Medal awarded by the President of Mongolia for research and prevention of communicable diseases (The Mongolian government's highest honor for a foreigner)   |
| 2009    | Selected as an ad hoc reviewer for NIAID's study section Infectious Diseases, Reproductive Health, Asthma and Pulmonary Conditions (IRAP)   |
| 2009    | Association of Schools of Public Health, photograph of the month, September   |
| 2010-13 | Appointed to the FDA/CBER Vaccines and Related Biological Products Advisory Committee   |
| 2010    | Organized 3rd International Symposium on Emerging Infectious Diseases, Mongolia, July 29-30, 120 participants from 4 countries attended   |
| 2010    | Organized and Co-chaired the first International Symposium on Neglected Influenza Viruses, 3-5 February 2010, Amelia Island, FL   |
| 2012    | Established world's first public health PhD degree with a One Health concentration at the University of Florida   |
| 2012    | Established US's first public health Masters Health Science degree with a One Health concentration at the University of Florida   |
| 2012    | Established a Certificate in One Health at the University of Florida  |
| 2012    | Organized 4th International Symposium on Emerging Infectious Diseases, Mongolia, July 29-30, 105 participants, September 6-7  |
| 2012    | Selected as an ad hoc reviewer for NIAID's study section Clinical Research and Field Studies Study (CRFS)   |
| 2013    | Co-chaired the second International Symposium on Neglected Influenza Viruses, March 7-8, Dublin, Ireland  |

Organizations and participation: (Offices held, committee assignments, etc.)

| Year      | Organizations and participation                           |
|-----------|---|
| 1986-2004 | Member, American Society of Tropical Medicine and Hygiene |
| 1989-     | Member, American Society of Microbiology                  |
| 1989-2008 | Member, Society for Epidemiological Research              |
| 1992-     | Member, Infectious Disease Society of America             |
| 1997-     | Fellow, Infectious Disease Society of America             |
| 2000-     | Association of Military Surgeons of the United States     |

|         |  |
|---------|--|
| 2009-10 | Member, European Society for Clinical Virology   |
| 2007-12 | Board member, International Society for Influenza and Other Respiratory Virus Diseases |
| 2008-14 | Associate Editor, <i>Journal of Infection and Public Health</i>                        |
| 2008-11 | Editorial Board, <i>Journal of Clinical Virology</i>                                   |
| 2010-14 | International Advisory Committee, <i>Journal of Military and Veterans' Health</i>      |
| 2010-14 | Board of Advisors, Board on the Health of Select Populations, Institute of Medicine    |
| 2010-14 | Medical Follow-up Agency Advisory Committee, Institute of Medicine                     |
| 2011-   | USA Councilor, Edward Jenner Vaccine Society   |
| 2011-   | Editorial Board, journal <i>Influenza and Other Respiratory Viruses</i>                |
| 2014-   | Editorial Board, journal <i>Military Medical Research (Beijing, China)</i>             |

**TO BE COMPLETED FOR CHAIR**

Teaching responsibilities including continuing education:

| Semester Year | Course Title/<br>Number   | Semester Hours | # Students | Role     | Percent Responsible |
|---------------|---|----------------|------------|----------|---------------------|
| Fall 2001     | Intro to Pub Hlth/170:101   | 3              | 20         | Speaker  | 7%                  |
| Spring 2002   | Epi of Infect Dis/173:255   | 3              | 20         | Director | 35%                 |
| Fall 2002     | Epi I/173:140   | 3              | 50         | Speaker  | 3%                  |
| Spring 2003   | Res Meth Dis Studies/175:175  | 3              | 8          | Speaker  | 3%                  |
| Spring 2003   | Intro to US Health Care Sys/174:102   | 3              | 28         | Speaker  | 3%                  |
| Fall 2003     | Epi of Infect Dis/173:255   | 3              | 25         | Director | 35%                 |
| Spring 2004   | Diag Micro Epidemiol/173:155  | 3              | 15         | Director | 30%                 |
| Spring 2004   | Natural Hazards/ 44:197   | 3              | 6          | Speaker  | 3%                  |
| Spring 2004   | Intro to US Health Care Sys/174:102   | 3              | 45         | Speaker  | 3%                  |
| Spring 2004   | University of Iowa's Center for International Rural and Environmental Health and Trnava University (Web link to Eastern Europe) | NA             | 18         | Speaker  | 3%                  |
| Fall 2004     | Introduction to Public Health 170:100   | 3              | 50         | Speaker  | 3%                  |
| Fall 2004     | Epi of Infect Dis/173:255   | 3              | 28         | Director | 35%                 |
| Spring 2005   | Diag Micro Epidemiol/173:155  | 3              | 12         | Speaker  | 3%                  |
| Spring 2005   | Global Environmental Health/ 175:195 International Internet-based lecture   | 2              | 16         | Speaker  | 6%                  |
| Spring        | Intro to US Health Care   | 3              | 45         | Speaker  | 3%                  |

| Semester Year | Course Title/<br>Number   | Semester Hours | # Students | Role          | Percent Responsible |
|---------------|---|----------------|------------|---------------|---------------------|
| 2005          | Sys/174:102   |                |            |               |                     |
| Fall 2005     | Global Health Seminar/152:150   | 2-3            | 25         | Speaker       | 3%                  |
| Summer 2005   | Zoonotic Diseases (173:157)   | 2              | 20         | Co-director   | 30%                 |
| Summer 2005   | Applied Infectious Disease Epidemiology (Ohio State University)   | 2              | 80         | Director      | 100%                |
| Fall 2005     | Fogarty Center sponsored Workshop in Cluj-Napoca, Romania: Epidemiology, Prevention and Control of Acute Viral Respiratory Infections (1.5 days, Sept 16 & 17 <sup>th</sup> ) | NA             | 24         | Director      | 80%                 |
| Fall 2005     | Epi of Infect Dis/173:255   | 3              | 25         | Director      | 40%                 |
| Spring 2006   | Diag Micro Epidemiol/173:155  | 3              | 8          | Speaker       | 3%                  |
| Summer 2006   | Applied Infectious Disease Epidemiology (Ohio State University)   | 2              | 40         | Director      | 100%                |
| Fall 2006     | Epi of Infect Dis/173:255   | 3              | 20         | Director      | 40%                 |
| Spring 2007   | Diag Micro Epidemiol/173:155  | 3              | 6          | Speaker       | 3%                  |
| Spring 2007   | Global Environmental Health/175:195 International Internet-based lecture  | 2              | 20         | Speaker       | 3%                  |
| Summer 2007   | Zoonotic Diseases (173:157)   | 2 or 3         | 45         | Director      | 40%                 |
| Summer 2007   | Applied Infectious Disease Epidemiology (Ohio State University)   | 2              | 35         | Director      | 100%                |
| Fall 2007     | Epi of Infect Dis/173:255   | 3              | 15         | Director      | 40%                 |
| Summer 2008   | Zoonotic Diseases (173:157)   | 2 or 3         | 45         | Director      | 40%                 |
| Summer 2008   | Applied Infectious Disease Epidemiology (173:159)   | 2              | 29         | Director      | 100%                |
| Summer 2008   | Applied Infectious Disease Epidemiology (Ohio State University)   | 2              | 32         | Director      | 100%                |
| Fall 2008     | Epi of Infect Dis/173:255   | 3              | 17         | Director      | 40%                 |
| Fall 2008     | Writing a Research Proposal/173:210   | 3              | 7          | Review grants | 2%                  |
| Summer 2009   | Zoonotic Diseases (173:157)   | 2 or 3         | 39         | Director      | 40%                 |
| Summer        | Applied Infectious Disease  | 2              | 44         | Director      | 100%                |

| Semester Year | Course Title/<br>Number   | Semester Hours | # Students | Role     | Percent Responsible |
|---------------|---|----------------|------------|----------|---------------------|
| 2009          | Epidemiology (173:159)  |                |            |          |                     |
| Summer 2009   | Applied Infectious Disease Epidemiology (Ohio State University)   | 2              | 24         | Director | 100%                |
| Fall 2009     | Epi of Infect Dis/173:255   | 3              | 11         | Director | 40%                 |
| Summer 2010   | PHC 6937 Applied Infectious Disease Epidemiology  | 3              | 39         | Director | 100%                |
| Summer 2010   | PHC 6937 An Introduction to Entomology, Zoonotic Diseases, and Food Safety  | 3              | 39         | Director | 40%                 |
| Fall 2010     | PHC 6001 Epidemiology of Infectious Diseases  | 3              | 2          | Speaker  | 3%                  |
| Fall 2010     | Introductions to Health Professions Course  | 2              | 200        | Speaker  | 3%                  |
| Summer 2011   | PHC 6937 Applied Infectious Disease Epidemiology  | 3              | 39         | Director | 100%                |
| Summer 2011   | PHC 6515 An Introduction to Entomology, Zoonotic Diseases, and Food Safety  | 3              | 39         | Director | 40%                 |
| Fall 2011     | VETMED Seminars International Veterinary Medicine   | 2              | 50         | Speaker  | 3%                  |
| Fall 2011     | "Emerging Infectious Diseases", Public Health Engineering course  | 2              | 50         | Speaker  | 3%                  |
| Fall 2011     | "Career Opportunities in Environmental and Global Health", Introductions to Health Professions Course                                     | 2              | 200        | Speaker  | 3%                  |
| Spring 2012   | Department of Environmental Engineering Sciences Spring 2012 Seminar One Health: A Promising Approach to Difficult Public Health Problems | 1              | 40         | Speaker  | 3%                  |
| Spring 2012   | PHC 6601 Seminar in Contemporary Public Health, One Health: A Promising Approach to Difficult Public Health Problems                      | 1              | 80         | Speaker  | 3%                  |
| Summer 2012   | PHC 6937 Applied Infectious Disease Epidemiology  | 3              | 28         | Director | 100%                |
| Summer 2012   | PHC 6515 An Introduction to Entomology, Zoonotic Diseases,  | 3              | 45         | Director | 40%                 |

| Semester Year      | Course Title/<br>Number  | Semester Hours | # Students | Role     | Percent Responsible |
|--------------------|--|----------------|------------|----------|---------------------|
|                    | and Food Safety  |                |            |          |                     |
| Fall 2012          | ANS 3934 Careers in Livestock Industry   | 3              | 59         | Speaker  | 3%                  |
| Summer 2013        | PHC 6006 An Introduction to One Health Problem Solving   | 3              | 40         | Director | 40%                 |
| Summer 2012        | PHC 6515 An Introduction to Entomology, Zoonotic Diseases, and Food Safety   | 3              | 45         | Director | 40%                 |
| Fall 2012          | ANS 3934 Careers in Livestock Industry   | 3              | 59         | Speaker  | 3%                  |
| Fall 2013          | “Career Opportunities in Environmental and Global Health”, Introductions to Health Professions Course  | 2              | 200        | Speaker  | 3%                  |
| Spring 2014        | Environmental & Global Health Journal Club   | 1              | 10         | Director | 40%                 |
| Summer 2014        | PHC 6006 An Introduction to One Health Problem Solving   | 3              | 40         | Director | 40%                 |
| October 16th, 2014 | GLHLTH 701: Global Health Challenges Pandemic Influenza, Duke University, Duke University, Durham, NC,   | 3              | 35         | Speaker  | 3%                  |
| January 12th, 2015 | VPH 650: Population Medicine Forum. One Health: A Promising Approach to Difficult Public Health Problems, North Carolina State University, Raleigh, NC,  | 3              | 25         | Speaker  | 3%                  |
| January 20th, 2015 | ENV 537: Environmental Health. One Health: A Promising Approach to Difficult Public Health Problems, Duke University   | 3              | 50         | Speaker  | 3%                  |
| January 20th, 2015 | ENV 774/GLHLTH 771: One Health Intellectual Exchange Group Course: Philosophy to Practical Integration of Human, Animal, and Environmental Health, Neglected influenzas, Duke University, Durham, NC | 2-3            | 35         | Speaker  | 3%                  |
| Summer 2015        | GLHLTH 731 One Health: Introduction to the One Health Approach   | 1              | 14         | Director | 40%                 |
| Summer 2015        | GLHLTH 735 One Health: An Introduction to Entomology,  | 3              | 13         | Director | 40%                 |

| Semester Year     | Course Title/<br>Number  | Semester Hours | # Students | Role    | Percent Responsible |
|-------------------|--|----------------|------------|---------|---------------------|
|                   | Zoonotic Diseases, and Food Safety   |                |            |         |                     |
| October 8th, 2015 | GLHLTH 701: Global Health Zoonotic Influenza Disease Threats: Employing the One Health Approach<br>Duke University, Duke University, Durham, NC, | 3              | 35         | Speaker | 3%                  |

Areas of research interests (basic and applied) - list:

- Epidemiology of acute respiratory infections
- Epidemiology of zoonotic diseases
- Epidemiology of adenovirus infections
- Epidemiology of influenza virus infections
- Emerging infectious diseases
- Military Veterans Health

External support - gifts, grants, and contracts:

Past:

| Title Source P.I.  | % Effort<br>% Support | Direct Funds<br>Period of Funding                                   |
|--|-----------------------|---|
| A Study of the Safety, Tolerability and Immunogenicity of Two Injections of Alum adjuvanted, inactivated hepatitis A vaccine<br>In Healthy Adults<br>Merck Sharp & Dohme Research Laboratories<br>Role: PI |                       | \$18,000<br>5/28/91-3/31/92   |
| Epidemiology and Threat Assessment of Infectious Disease of Military Importance in Western Asia and Eastern Africa<br>Naval Medical Research & Development Command<br>Role: PI                             |                       | \$323,000<br>10/2/91-8/5/92   |
| Mycoplasma Infections Among Navy Personnel with Pneumonia<br>University of Alabama at Birmingham<br>Role: PI   |                       | Cooperative Research and Development Agreement<br>11/17/93-11/18/95 |
| Epidemiologic Studies of Morbidity Among Gulf War Veterans: A Search for Etiologic Agents and Risk Factors<br>Department of Defense/Health Affairs<br>Role: PI   |                       | \$10,139,000<br>4/20/94-9/30/99                                     |

| Title<br>Source<br>P.I.   | % Effort<br>% Support | Direct Funds<br>Period of Funding |
|---|-----------------------|-----------------------------------|
| Weekly Oral Azithromycin and Benzathine Penicillin G as Agents to Prevent Respiratory Disease<br>Navy Bureau of Medicine & Surgery<br>Role: PI  |                       | \$110,000<br>5/25/94-9/30/95      |
| Risk Factors for Chorioamion Infection and Adverse Pregnancy Outcome Among Active-Duty Military Women and Dependent Women<br>Department of the Army, Defense Women's Health Research Program<br>Gail Cassell-PI<br>Role: Coinvestigator |                       | \$1,000,000<br>10/95-10/99        |
| An Epidemiological Study of the Immunologic, Bacteriologic and Demographic Risk Factors for Invasive <i>Streptococcus pyogenes</i> Infections Among US Military Personnel<br>Naval Medical Research & Development Command<br>Role: PI   |                       | \$160,000<br>7/1/95-8/30/99       |
| Triservice Adenovirus Isolation and Typing Surveillance<br>Bureau of Medicine and Surgery<br>Role: PI   |                       | \$300,000<br>10/1/96-9/30/97      |
| Department of Defense Infectious Disease Surveillance and Response System<br>Department of Defense/Health Affairs<br>Role: PI   |                       | \$400,000<br>10/1/97-9/30/98      |
| Pilot Study: Surveillance of Birth Defects Among US Naval Health Care Beneficiaries in San Diego County<br>Department of Defense<br>Role: PI  |                       | \$300,000<br>10/1/97-9/30/98      |
| Influenza surveillance<br>Department of Defense Infectious Disease Surveillance and Response System<br>Role: PI   |                       | \$117,000<br>10/1/97-9/30/98      |
| Clinical trial of azithromycin as prophylaxis against bacterial agents causing acute respiratory disease among military trainees<br>Headquarters US Special Operations Command<br>Role: PI  |                       | \$48,720<br>6/23/98-9/30/99       |
| Department of Defense Infectious Disease Surveillance and Response System<br>Department of Defense/Health Affairs<br>Role: PI   |                       | \$507,603<br>10/1/98-9/30/99      |

| Title<br>Source<br>P.I.  | % Effort<br>% Support | Direct Funds<br>Period of Funding |
|--|-----------------------|-----------------------------------|
| National Surveillance for Birth Defects Among<br>Department of Defense Health Care Beneficiaries<br>Department of Defense<br>Role: PI  |                       | \$2,152,000<br>10/1/98-9/30/03    |
| VA Cooperative Study 475, Antibiotic Treatment of<br>Gulf War Veterans' Illnesses<br>Role: Coinvestigator  |                       | \$231,117<br>5/15/99-9/30/01      |
| VA Cooperative Study 470, A Randomized,<br>Multi-Center, Controlled Trial of Multi-Modal Therapy<br>in Veterans with Gulf War Illnesses<br>Role: PI  |                       | \$761,354<br>5/15/99-9/30/01      |
| Department of Defense Infectious Disease Surveillance<br>and Response System<br>Department of Defense/Health Affairs<br>Gregory Gray-PI  |                       | \$650,000<br>10/1/99-9/30/00      |
| Development of Surveillance Instruments to Evaluate<br>the Health of Military Personnel: Recruit Assessment<br>Program<br>Naval Medical Research Center<br>Role: Coinvestigator  |                       | \$291,000<br>11/18/99-9/30/01     |
| Department of Defense Center for<br>Deployment Health Research<br>Department of Defense/Health Affairs<br>Role: PI   |                       | \$9,000,000<br>10/1/99-5/31/04    |
| DoD-wide Medical Surveillance for Potential<br>Long-Term Adverse Events associated with<br>Anthrax Immunization in Active Duty Service<br>Members, Proposal I: Hospitalizations<br>US Army Medical Research and Material Command<br>Role: Coinvestigator                     |                       | \$475,174<br>/1/99-9/30/03        |
| Surveillance of <i>B. pertussis</i> among Military Trainees<br>with Respiratory Disease:<br>Development and Validation of a Highly<br>Sensitive PCR and Beacon Probe-based<br>Method for Diagnosis of Pertussis<br>US Army Medical Research and Material Command<br>Role: PI |                       | \$397,304<br>11/1/99-10/1/02      |
| Double-Blind Placebo-Controlled Clinical Effectiveness<br>Trial of the 23-Valent<br>Pneumococcal Vaccine Among Military<br>Trainees at High Risk of Respiratory Disease<br>US Army Medical Research and Material Command   |                       | \$801,476<br>1/17/00-7/17/02      |

| Title<br>Source<br>P.I.  | % Effort<br>% Support | Direct Funds<br>Period of Funding |
|--|-----------------------|-----------------------------------|
| Role: PI   |                       |                                   |
| Prospective Studies of US Military Forces: The Millennium Cohort Study<br>Department of Defense/Director, BioSystems<br>ODUSD(S&T)<br>Role: PI   |                       | \$3,000,000<br>1/17/00-/17/22     |
| Randomized, controlled trial of combination treatment with pyridostigmine, DEET, and permethrin<br>US Army Medical Research and Material Command<br>Role: Coinvestigator                                 |                       | \$1,260,218<br>7/1/00-5/31/04     |
| An Epidemiological Study of the Occurrence of Amyotrophic Lateral Sclerosis (ALS) Among Gulf War Veterans<br>Department of Veterans Affairs<br>Role: Coinvestigator                                      |                       | \$78,295<br>8/14/00-9/30/02       |
| Cooperative Research and Development Agreement Between Naval Health Research Center and Quidel Corporation: Rapid Flu Test Kit Study<br>Quidel Corporation<br>Role: PI                                   |                       | \$38,000<br>1/22/01-9/30/01       |
| Department of Defense Infectious Disease Surveillance and Response System<br>Department of Defense/Health Affairs<br>Role: PI  |                       | \$704,000<br>10/1/00-9/30/01      |
| Iowa Center for Public Health Preparedness<br>CDC/ASPH Cooperative Agreement<br>Chris Atchison-PI<br>Role: coordinate Grand Rounds   | 10%<br>10%            | \$5,630,395<br>10/01/01 – 9/30/08 |
| International Programs UI<br>Surveillance for Emerging Viral Respiratory Pathogens in South America<br>Role: PI  | 2%<br>0%              | \$10,000<br>7/1/02-6/30/04        |
| Becton Dickinson<br>Clinical Evaluation of a New System for the Detection of the Chlamydiaceae family, Legionella pneumophila, and Mycoplasma pneumoniae from Clinical Respiratory Specimens<br>Role: PI | 5%<br>0%              | \$ variable<br>9/15/02-3/31/03    |
| Merck & Company<br>Merck V21 Protocol 016 - this is a phase II double-blind, randomized, multicenter trial of a combination vaccine among healthy children.<br>Role: PI                                  | 5%<br>0%              | \$ variable<br>10/18/02-6/01/03   |

| Title<br>Source<br>P.I.  | % Effort<br>% Support       | Direct Funds<br>Period of Funding |
|--|-----------------------------|-----------------------------------|
| Center for Health Effects of Environmental Contamination University of Iowa - Seroprevalence of West Nile Virus and Influenza A in Meat Processing Workers<br>Kendall Myers' project design (graduate student)<br>Role: PI | 2%<br>0%                    | \$10,000<br>10/1/03-9/30/04       |
| SA Scientific<br>Evaluations of Rapid Diagnostic Tests for Respiratory Viruses<br>Role: PI   | 1%<br>2%                    | \$ variable<br>3/1/03-2/28/04     |
| Basic and Clinical Approaches to Controlling Human Respiratory Pathogens<br>Response to NIH-NIAID-DMID-03-05<br>PI: Michael Apicella<br>Role: coinvestigator   | variable                    | \$1,000,000<br>10/1/03-10/31/04   |
| Sexually Transmitted Infections as a Risk Factor for Prostate Cancer among Military<br>DoD<br>PI: Leslie Dennis<br>Role: coinvestigator  | 5-10%<br>5% Y1<br>10% Y2-Y3 | \$375,000<br>12/01/03-11/30/06    |
| Binax Adenovirus and Parinfluenza Clinical Study<br>Binax<br>Role: PI  | 4%<br>4%                    | \$10,938<br>10/1/03-10/1/05       |
| Hawkeye Flu Study<br>CDC<br>Role: PI   | 5%<br>0%                    | \$130,000<br>12/1/03-6/30/04      |
| Directigen EZ Flu A+B Clinical Evaluation for Detection of Influenza A and B: Dry Swab Evaluation<br>Becton Dickinson<br>Role: PI  | 2%<br>2%                    | \$21,388<br>12/1/03-5/1/04        |
| Are Iowans Exposed to Wild Ducks, Geese, and Game Birds at Risk of Avian Influenza Infections?<br>Center for Health Effects of Environmental Contamination University of Iowa<br>Role: coinvestigator                      | 2%<br>0%                    | \$24,000<br>6/1/04-5/31/06        |
| National Surveillance for Emerging Adenovirus Infections<br>NIH / NIAID R01 AI053034<br>Role: PI   | 30%<br>30%                  | \$1,953,825<br>4/1/04-4/01/10     |
| Human Metapneumovirus: Identifying High Risk Populations and Viral Genotype Variation<br>NIH / NIAID R03 AI054570<br>Role: PI  | 5%<br>5%                    | \$100,000<br>3/1/2004-2/28/06     |

| Title<br>Source<br>P.I.   | % Effort<br>% Support | Direct Funds<br>Period of Funding  |
|---|-----------------------|------------------------------------|
| Population-based Surveillance for Zoonotic Influenza A<br>NIH / NIAID R21 AI059214-01<br>Role: PI   | 5%<br>5%              | \$200,000<br>10/01/04-9/30/06      |
| A Randomized, Double-blind, Placebo Controlled Trial<br>to Evaluate the Efficacy of Fluviral® Influenza vaccine<br>in Human Adults 18 to 49 Years of Age, Protocol, No.<br>IDB-707-106<br>ID Biomedical / GlaxoSmithKline Biologicals<br>Role: PI | 30%<br>30%            | \$251,000<br>10/01/04-9/30/06      |
| Randomised, Double Blind, Multicentre, Placebo<br>Controlled Phase III Study of the Safety and<br>Tolerability Following Administration of Live<br>Attenuate JE Vaccine (ChimeriVax®- JE)<br>Acambis<br>Role: PI                                  | 30%<br>30%            | \$260,000<br>12/15/05-10/31/06     |
| Studies of Avian Influenza Transmission in Asia<br>NIH / NIAID R01 AI068803-01<br>Role: PI  | 10%<br>10%            | \$1,260,000<br>08/15/06 - 07/31/11 |
| Identifying Risk Factors for Zoonotic Influenza<br>Transmission to Man (Nigeria, Mongolia, Romania)<br>US DoD GEIS<br>Role: PI  | 10%<br>10%            | \$2,756,000<br>2/01/08- 9/30/2010  |
| GEIS-University of Florida Certificate in Emerging<br>Infectious Disease Research<br>US DoD GEIS<br>Role: PI  | 15%<br>15%            | \$2,014,000<br>2/1/08- 9/30/2012   |
| University of Florida Certificate in Emerging Infectious<br>Disease Research<br>US Dept of State<br>Role: PI  | 15%<br>15%            | \$510,467<br>10/1/09-9/20/12       |
| Swine Influenza at Swine Shows<br>US CDC<br>Role: PI  | 2%<br>2%              | \$205,500<br>8/1/08-7/31/09        |
| Prospective Study of US Bird Banders for Evidence of<br>Avian Influenza Virus Infections<br>NIAID<br>Role: PI   | 5%<br>0%              | \$100,000<br>8/1/08-7/31/09        |
| Influenza Research Studies in Romania and Mongolia<br>Fee Service Agreement for NIAID Center of Excellence<br>at St. Jude Childrens Hospital<br>Role: PI  | 2%<br>2%              | \$40,000<br>4/01/2012-3/31/2013    |
| Mchip Supplement (on Avian Study)<br>Role: PI   | 3%<br>0%              | \$72,000<br>8/1/08-7/31/09         |

| Title<br>Source<br>P.I.   | % Effort<br>% Support | Direct Funds<br>Period of Funding |
|---|-----------------------|-----------------------------------|
| Prospective Study of US Animal Agricultural Workers<br>NIH / NIAID R01 AI0068803 (ARRA)<br>Role: PI   | 5%<br>5%              | \$242,000<br>08/09/10-08/08/12    |
| Prospective Study of US Animal Agricultural Workers<br>US Dept of Defense<br>Role: PI   | 5%<br>5%              | \$805,000<br>3/1/2009-9/29/2011   |
| Field Laboratory for Infectious Disease Resear<br>US Dept of Defense<br>Role: PI  | 2%<br>0%              | \$100,041<br>4/1/2010-9/30/2010   |
| Epidemiological Study of Persons with Intense<br>Exposure to Ruminants for Rift Valley Fever Virus<br>Infection<br>Dept of Homeland Security<br>Role: PI        | 3%<br>1%              | \$199,238<br>7/1/2010-6/30/2013   |
| Severe Acute Respiratory Infection (SARI) &<br>Community (CAP) Acquired Pneumonia (CAP)<br>Surveillance Study in Republic of Georgia<br>US DoD GEIS<br>Role: PI | 14%<br>14%            | \$659,000<br>9/30/2011-9/29/2014  |
| The Epidemiology of Severe Acute Respiratory Illness<br>Among High-Risk Army Ranger Trainees<br>US DoD GEIS<br>Role: PI   | 12%<br>12%            | \$387,000<br>9/30/2011-11/1/2012  |
| One Health Center for Environmental and Occupational<br>Research United States<br>NIH/Foragarty International Center<br>Role: PI                                | 3%<br>3%              | \$39,729<br>9/20/12-8/31/14       |
| University of Florida Certificate in One Health<br>US DoD GEIS<br>Role: PI  | 10%<br>10%            | \$366,000<br>10/01/12- 9/30/2013  |
| University of Florida Certificate in One Health<br>US Dept of State<br>Role: PI   | 4%<br>4%              | \$408,535<br>10/01/12- 9/30/2013  |
| Acceleration of Deployment of an Infectious Disease<br>and Biothreat Advanced Diagnostic Device in CLIA<br>Waiver<br>Biofire Diagnostics<br>Role: PI            | 0.5%<br>0.5%          | \$11,591<br>9/24/2010-8/31/13     |
| Quidel Rapid test Sensitivity of Swine Influenza<br>Viruses<br>Quidel Inc.<br>Role: PI  | 1.7%<br>1.7%          | \$112,129<br>9/6/2012-8/31/2013   |
| University of Florida Certificate in One Health   | 4%                    | \$334,823 annual direct           |

| Title<br>Source<br>P.I.      | % Effort<br>% Support | Direct Funds<br>Period of Funding |
|------------------------------|-----------------------|-----------------------------------|
| US Dept of State<br>Role: PI | 4%                    | 4/1/13- 6/30/2014                 |

ACTIVE

1R01AI108993-01A1 (Gray) PI 07/01/2014-06/30/2019 4.2 calendar months  
NIH/NIAID \$309,583 annual direct

**Swine Influenza Virus Transmission in Confined Animal Feeding Operations, China**

In this controlled, 5-yr project, we will collaborate with leading Chinese infectious disease researchers and employ a One Health approach (human, animal, and environment) to study SIV transmission in Confined Animal Feeding Operations in mainland China.

1D43TW009373 (Gray) PI 09/01/2013-08/31/2018 .48 calendar months  
NIH/Fogarty International Center \$307,673 annual direct

**One Health Innovation Fellowships for Zoonotic Disease Research In Mongolia**

This training program establishes a US-Mongolia multidisciplinary partnership to address zoonotic disease burdens in Mongolia.

R24TW009546-S1 (Gray) PI 09/22/2012-08/31/2015 .36 calendar months  
NIH/Fogarty International Center, NIEHS, NIOSH \$26,751 annual direct

**One Health Center for Environmental and Occupational Research Romania/United States (supplement)**

Capitalizing upon a previously existing network of research collaborations, in this pilot grant we are developing a One Health Center for Environmental and Occupational Research GEOHealth Hub at the Babeş-Bolyai University in Cluj-Napoca, Romania. The GEOHealth Hub will coordinate research and training collaborations in 11 additional academic centers located in Albania, Armenia, Georgia, Kazakhstan, and Moldova. The GEOHealth Hub will focus upon 3 research and training areas: 1) Aquatic Health, 2) Food Safety, and 3) Zoonotic Diseases

CO2300411 (Gray) PI 04/01/2014-06/15/2015 1.80 calendar months  
US State Department/ US Civilian R&D Fdn 193,881 annual direct

**Certificate in One Health Program 2015**

The primary purpose of this 9-credit-hour graduate program certificate is to support developing countries through providing their public health and veterinary health professionals with training in One Health-related disciplines (epidemiology, virology, environmental health, zoonotic diseases, food safety). (year-to-year funding)

Clinical activity - type of practice and estimate of time commitment:

None in recent years

Participation in academic and administrative activities of the University and Medical Center

| Position Title               | Dates of Service        | Location / Institution                                       |
|------------------------------|-------------------------|--|
| Medical Student              | 1979-83                 | University of Alabama at Birmingham, School of Medicine      |
| Internal Medicine Internship | 1983-84                 | Navy Hospital San Diego                                      |
| General Medical Officer      | 1984-86                 | Naval Medical Clinic San Diego                               |
| Director of the Clinic       | 1985-86<br>(six months) | Naval Medical Clinic San Diego                               |
| Graduate Student             | 1986-87                 | Johns Hopkins University School of Hygiene and Public Health |

| Position Title                                   | Dates of Service | Location / Institution  |
|--|------------------|---|
| Senior Resident                                  | 1987-88          | General Preventive Medicine Residency at Walter Reed Army Institute of Research                                 |
| Teaching Fellow                                  | 1987-88          | Uniformed Services University of Health Sciences  |
| Head, Epidemiology Dept.                         | 1988-90          | Navy Environmental and Preventive Medicine Unit No. 5, San Diego  |
| Head, Epidemiology Branch                        | 1990-92          | Naval Medical Research Unit No. 3, Cairo Egypt  |
| Chairman   | 1990-92          | Committee for the Protection of Human Subjects  |
| Epidemiologist                                   | 1992-01          | Naval Health Research Center, San Diego   |
| Assistant Clinical Professor                     | 1992-00          | Dept of Community & Family Medicine, School of Medicine, University of California, San Diego                    |
| Research Associate                               | 1993-00          | National Research Council   |
| Chief, Emerging Illness Division                 | 1996-99          | Naval Health Research Center, San Diego (> 45 professionals)  |
| Director   | 1996-01          | Established a DoD Respiratory Disease Reference Laboratory  |
| Director   | 1998-01          | Established Navy Node in the DoD Surveillance and Response System for Emerging Infectious Diseases              |
| Director   | 1999-01          | Established a Clinical Trial Center for the Naval Health Research Center  |
| Director   | 1999-01          | Established DoD Center for Deployment Health Research (>60 professionals)                                       |
| Advanced to Adjunct Associate Clinical Professor | 2000-01          | Dept of Family & Preventive Medicine, School of Medicine, University of California, San Diego                   |
| Clinician  | 2000-01          | Naval Medical Center San Diego  |
| Appointed Adjunct Professor                      | 2000-            | Preventive Medicine & Biometrics (Epidemiology), Uniformed Services University of Health Sciences, Bethesda, MD |
| Professor  | 2001-9           | Dept of Epidemiology, College of Public health, University of Iowa, Iowa City, IA                               |
| Director   | 2003-9           | Center for Emerging Infectious Diseases, College of Public health, University of Iowa, Iowa City, IA            |
| Granted tenure                                   | 2004             | Dept of Epidemiology, College of Public health, University of Iowa, Iowa City, IA                               |
| Received secondary appointment                   | 2004-9           | International Programs, University of Iowa, Iowa City, IA   |
| Interim Chief Scientific Advisor                 | 2006-7           | University of Iowa Hygienic Laboratory (260 employees)  |
| Adjunct Professor                                | 2008-            | University of the Sunshine Coast, Maroochydore, Australia   |
| Member Board of Advisors                         | 2008-            | Center for Health Policy and Public Health at Babeş-Bolyai University in Cluj-Napoca, Romania.                  |

| Position Title                         | Dates of Service | Location / Institution   |
|--|------------------|--|
| Professor (tenured) and Founding Chair | 2010-14          | Department of Environmental and Global Health<br>College of Public Health and Health Professions<br>University of Florida, Gainesville, FL |
| Professor                              | 2010-14          | Department of Infectious Diseases and Pathology,<br>College of Veterinary Medicine, University of Florida,<br>Gainesville, FL              |
| Director                               | 2010-14          | Global Pathogens Laboratory, Emerging Pathogens<br>Institute, University of Florida  |
| Director                               | 2014             | One Health Center of Excellence for Research and<br>Training   |

#### Invited Presentations

| <u>Year</u> | <u>Title</u>   | <u>Organization</u>   |
|-------------|--|---|
| 1988        | Investigation of a fatal febrile illness outbreak in the Peruvian Andes                  | The Armed Forces Epidemiological Board, Walter Reed Army Institute of Research                            |
| 1989        | Streptococcal surveillance (Navy)  | The Armed Forces Epidemiological Board, Walter Reed Army Institute of Research                            |
| 1989        | Streptococcal disease in recruit training  | 31 <sup>st</sup> Navy Occupational Health and Preventive Medicine Workshop                                |
| 1989        | Risk factors for varicella in the Navy   | 31 <sup>st</sup> Navy Occupational Health and Preventive Medicine Workshop                                |
| 1989        | Navy streptococcal surveillance – Tropical Medicine Course                               | Walter Reed Army Institute of Research  |
| 1989        | Streptococcus update   | The Armed Forces Epidemiological Board, Walter Reed Army Institute of Research                            |
| 1989        | Streptococcal disease  | UCSD-SDSU General Preventive Medicine Residency Program, San Diego State University                       |
| 1990        | The increasing incidence of varicella admissions in Army and Navy populations 1975-1988  | UCSD Department of Community & Family Medicine Clinical Epidemiology Conference, University of California |
| 1990        | Navy question: Varicella immunization  | The Armed Forces Epidemiological Board, Walter Reed Army Institute of Research                            |
| 1990        | Streptococcal disease control program  | 32 <sup>nd</sup> Navy Occupational Health and Preventive Medicine Workshop                                |
| 1990        | Varicella (chickenpox) among recruits  | 32 <sup>nd</sup> Navy Occupational Health and Preventive Medicine Workshop                                |
| 1990        | Equipping the epidemiologist: Optical scanners, film recorders, and statistical software | 32 <sup>nd</sup> Navy Occupational Health and Preventive Medicine Workshop                                |
| 1990        | The failure of benzathine penicillin G to prevent streptococcal infection among recruits | 32 <sup>nd</sup> Navy Occupational Health and Preventive Medicine Workshop                                |

| <u>Year</u> | <u>Title</u>  | <u>Organization</u>   |
|-------------|---|---|
| 1990        | The failure of benzathine penicillin G to prevent streptococcal colonization and infection of the pharynx: A prospective study of 874 military recruits | San Diego Epidemiology Research Exchange  |
| 1990        | Navy streptococcal surveillance – Tropical Medicine Course  | Walter Reed Army Institute of Research  |
| 1992        | The epidemiology and prevention of acute respiratory disease in military populations  | Military Disease Hazard Research Program  |
| 1992        | Acute respiratory infections in military personnel  | Navy Epidemiology Board   |
| 1993        | Respiratory disease in military populations: Strategies to withstand the changing bacterial threat  | 34 <sup>th</sup> Navy Occupational Health and Preventive Medicine Workshop  |
| 1993        | From the Andes mountain range of Peru to the world’s hottest desert of Djibouti: Conducting epidemiologic research for the US Navy                      | Microbiology Graduate Students and Medical Student Research Society, University of Alabama  |
| 1993        | Respiratory disease in military populations: Strategies to withstand the changing bacterial threat  | Armed Forces Epidemiologic Board  |
| 1994        | Epidemiologic studies of morbidity among Gulf War veterans: A search for etiologic agents and risk factors  | Defense Science Board Task Force  |
| 1994        | Acute respiratory disease problems  | Armed Forces Epidemiologic Board  |
| 1994        | Update on proposed US Navy Gulf War veteran research studies  | Armed Forces Epidemiologic Board  |
| 1994        | Epidemiologic studies of morbidity among Persian Gulf veterans  | National Academy of Science’s Committee to Review Health Consequences of Service during the Persian Gulf War                                      |
| 1994        | Recent Navy streptococcal and other respiratory disease pathogen epidemiology   | Consultation (Workshop) on the Emergence of Streptococcal Toxic Shock-Like Syndrome, National Institutes of Health – Fogarty International Center |
| 1995        | Gulf War veteran research   | Department of Defense/Health Affairs, The Pentagon  |
| 1995        | DoD/VA epidemiologic studies of morbidity among Persian Gulf War veterans   | 36 <sup>th</sup> Navy Occupational and Preventive Medicine Workshop   |
| 1995        | Respiratory disease surveillance: Camp Pendleton, CA  | 36 <sup>th</sup> Navy Occupational and Preventive Medicine Workshop   |
| 1995        | Navy respiratory disease study  | United States Army Preventive Medicine Symposium  |
| 1995        | Methodological issues in epidemiological studies of morbidity among Gulf War veterans   | Presidential Advisory Committee on Gulf War Veterans’ Illnesses   |

| <u>Year</u> | <u>Title</u>  | <u>Organization</u>  |
|-------------|---|--|
| 1996        | Recent epidemiologic studies regarding varicella and respiratory pathogens  | 37 <sup>th</sup> Navy Occupational and Preventive Medicine Workshop                                    |
| 1996        | Morbidity among Gulf War veterans   | Operational Preventive Medicine Course, Navy Environmental and Preventive Medicine Unit No. 5          |
| 1996        | Infectious diseases among military trainees – Tropical Medicine Course  | Uniformed Services University of Health Sciences   |
| 1996        | Reproductive health issues and Persian Gulf War service: What I tell veterans who are concerned about having children | Current Concepts of Persian Gulf Veterans' Illnesses, Department of Veterans Affairs                   |
| 1996        | Post-war hospitalization experience of Persian Gulf War veterans  | Armed Forces Epidemiological Board   |
| 1997        | Epidemiologic studies among Persian Gulf War veterans   | Government Accounting Team Visit   |
| 1997        | Epidemiologic studies among Persian Gulf War veterans   | UCSD Department of Family & Preventive Medicine, Clinical Epidemiology Conference                      |
| 1997        | Respiratory disease control in military basic training camps  | 3 <sup>rd</sup> Annual Uniformed Services Recruit & Trainee Health Care Symposium                      |
| 1997        | Clinical research: A strategy for publishing in the peer-reviewed literature  | Keynote Address, Clinical Research Symposium, Naval Hospital   |
| 1997        | Hospitalization studies among Persian Gulf War veterans   | Health Consequences of Persian Gulf Service  |
| 1997        | Birth defects among children of Persian Gulf veterans   | Health Consequences of Persian Gulf Service  |
| 1997        | Gulf War veteran morbidity  | Operational Medicine Preventive Medicine Course, Navy Environmental and Preventive Medicine Unit No. 5 |
| 1997        | Infectious disease threats to military trainees – Tropical Medicine Course  | Uniformed Services University of Health Sciences   |
| 1997        | Adenovirus surveillance   | Armed Forces Epidemiological Board   |
| 1997        | Gulf War health effects epidemiology: A recap   | US Army Preventive Medicine Officer's Symposium  |
| 1997        | Six presentations   | US/UK Gulf Epidemiological Research Meetings   |
| 1997        | Presentations to representatives of veteran service organizations regarding Goldenhar syndrome research study         | The Pentagon   |
| 1998        | Gulf War research update  | 39 <sup>th</sup> Annual Navy Occupational and Preventive Medicine Workshop                             |
| 1998        | DoD respiratory disease surveillance  | 39 <sup>th</sup> Annual Navy Occupational and Preventive Medicine Workshop                             |

| <u>Year</u> | <u>Title</u>   | <u>Organization</u>   |
|-------------|--|---|
| 1998        | Navy Emerging Illness Program  | Twelfth Annual Spring Armed Forces Infectious Disease Society Tri-Service Infectious Disease Conference                                     |
| 1998        | Measuring the Health of Persian Gulf War Veterans  | Naval Research Center Activity – Institute of Medicine  |
| 1998        | Respiratory Infections of Military Importance – Military Tropical Medicine Course  | Uniformed Services University of Health Sciences  |
| 1998        | DoD Epidemiology Research Programme – Gulf Health Research Meeting   | The Royal Society of Medicine   |
| 1999        | Respiratory Disease Testing  | Fifth Annual Uniformed Services Recruit and Trainee Healthcare Symposium  |
| 1999        | Symptoms after Extreme Events: Roles for Epidemiological Research  | The Naval Health Research Center Experience: - Thirteenth Conference on Military Medicine, Uniformed Services University of Health Sciences |
| 1999        | Important Infectious Disease Epidemiology Issues in the Military Training Environment – Infectious Disease Epidemiology Course | Uniformed Services University of Health Sciences  |
| 1999        | Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats  | California State Health Department Laboratory   |
| 1999        | ARD Update   | Armed Forces Epidemiological Board  |
| 1999        | Accreditation of a Medical Research Laboratory   | Military Public Health Laboratory Symposium/Workshop  |
| 1999        | Illnesses Among Gulf War Veterans: What do the Epidemiological Data Show?  | NMCSW Womens Health Group, Naval Medical Center San Diego   |
| 1999        | Illnesses Among Gulf War Veterans: What do the Epidemiological Data Show?  | UCSD Biomedical and Clinical Research Center Seminar Series   |
| 1999        | Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats  | UCSD San Diego Epidemiology Monthly Seminar   |
| 1999        | Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats  | 2 <sup>nd</sup> International Symposium on Hospital – Acquired Infections   |
| 2000        | Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats  | University of Iowa School of Public Health  |
| 2000        | Illnesses Among Gulf War Veterans: What do the Epidemiological Data Show?  | Fortieth Navy Occupational Health and Preventive Medicine Workshop  |

| <u>Year</u> | <u>Title</u>  | <u>Organization</u>   |
|-------------|---|---|
| 2000        | Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats   | Fortieth Navy Occupational Health and Preventive Medicine Workshop                |
| 2000        | The DoD global response to emerging infection threats in plenary session III. The shrinking world of global health: When global health issues become local health issues, Prevention 2000 | American College of Preventive Medicine   |
| 2000        | Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats   | Southern California American Society of Microbiology Spring Symposium             |
| 2000        | Illnesses Among Gulf War Veterans: What do the Epidemiological Data Show? Solving Medical Mysteries: Graduate Course: Disease and Causation in Historical Perspective                     | San Diego State University  |
| 2000        | Morbidity and other losses associated with the failure of adenovirus vaccine  | Armed Forces Epidemiological Board  |
| 2000        | Adult Adenovirus Infections: Loss of Orphaned Vaccines Precipitates US Military Respiratory Disease   | III International Symposium on Respiratory Viral Infections                       |
| 2001        | Respiratory Disease Among US Military Personnel: Responding to Emerging Threats   | University of North Carolina, School of Public Health                             |
| 2001        | Respiratory Disease Among US Military Personnel: Responding to Emerging Threats   | University of Minnesota, School of Public Health                                  |
| 2001        | The Millennium Cohort Study and other New Research Initiatives at the DoD Center for Deployment Health Research   | Conference on Illnesses among Gulf War Veterans: A Decade of Scientific Research  |
| 2001        | Respiratory Disease Among US Military Personnel: Responding to Emerging Threats   | University of Texas at Houston, School of Public Health                           |
| 2001        | Respiratory Disease Among US Military Personnel: Responding to Emerging Threats   | 41 <sup>st</sup> Annual Navy Occupational Health and Preventive Medicine Workshop |
| 2001        | Clinical Diagnosis & Treatment for Various Biological Warfare Agents  | Iowa ICN video conference (200 sites)   |
| 2001        | Speaker and panel member (bioterrorism)   | SecureIowa (business conference), December 6, 2001, Des Moines, Iowa              |
| 2001        | Bioterrorism  | College of Public Health Faculty Meeting, University of Iowa, December 14, 2001   |

| <u>Year</u> | <u>Title</u>  | <u>Organization</u>   |
|-------------|---|---|
| 2002        | Adenovirus an emerging pathogen in the United States  | Annual Japanese Pediatric Infectious Disease meeting Sapporo, Japan November 9, 2002  |
| 2002        | Seminar “Epidemiological, clinical and laboratory diagnostic aspects of adenoviral infection” | Annual Japanese Pediatric Infectious Disease meeting Sapporo, Japan November 9, 2002  |
| 2002        | Smallpox Update   | College of Public Health Faculty Meeting, University of Iowa, December 15, 2002   |
| 2003        | Bioterrorism and US Public Health Response  | Seminar to Peru’s Instituto Nacional Salud (INS), Lima, Peru, June 23 <sup>rd</sup> , 2003  |
| 2003        | Adenovirus and Human Metapneumovirus: Emerging Pathogens                                      | Seminar to Peru’s Instituto Nacional Salud (INS), Lima, Peru, June 23 <sup>rd</sup> , 2003  |
| 2003        | Agents of Bioterrorism and Public Health Response   | Broadlawns Medical Center, Des Moines, October 2 <sup>nd</sup> , 2003   |
| 2003        | Emerging Infectious Diseases: New Vaccine Strategies Needed                                   | Scientific Seminar, Becton Dickenson, Research Triangle, North Carolina, October 17 <sup>th</sup> , 2003  |
| 2003        | Adenovirus an Emerging Pathogens  | Molecular Microbiology and Immunology Dept - Johns Hopkins University, December 4 <sup>th</sup> , 2003  |
| 2005        | Zoonotic Influenza and Public Health: Why the Concern?  | Engaging our Communities, Public Health Seminar Series, The University of Arizona Mel & Enid Zuckerman College of Public Health, Tuscon, AZ, February 1st.    |
| 2005        | Infectious Disease Threats to the Military  | to students in course “Control & Prevention of Infectious Diseases”, Uniformed Services University of Health Sciences, Bethesda, MD, February 4th             |
| 2005        | Zoonotic Influenza and Public Health: Why the Concern?  | Preventive Medicine and Biometrics Faculty Seminar, Uniformed Services University of Health Sciences, Bethesda, MD, February 4th                              |
| 2005        | Human adenovirus: An Emerging Pathogen  | 2005 Association of Public Health Laboratories Infectious Disease Conference, Orlando, FL, March 2-4.   |
| 2005        | Zoonotic influenza and public health: Why the concern?  | 55 <sup>th</sup> Annual Conference on Diseases in Nature Transmissible to Man, College Station, Tex, June 1-3   |
| 2005        | Adenovirus an Emerging Pathogen   | State of the Science on Adenoviruses: Expert Workshop, Manhattan Beach, CA, Sept 26   |
| 2005        | Adenovirus an Emerging Pathogen   | DARPA’s Defense Sciences Office, Predicting Health and Disease workshop, Annapolis, MD, November 17-18  |
| 2005        | Zoonotic Influenza and Public Health: Why the Concern?  | Zoonotic Diseases Series, University of Pennsylvania, Philadelphia, PA, Nov 21st  |
| 2006        | Infectious Disease Threats to the Military  | To students in course “Control & Prevention of Infectious Diseases”, Uniformed Services University of Health Sciences, Bethesda, MD, February 3 <sup>rd</sup> |
| 2006        | Emerging Infectious Disease Research in the US Midwest  | Preventive Medicine and Biometrics Faculty Seminar, Uniformed Services University of Health Sciences, Bethesda, MD, February 3rd                              |

| <u>Year</u> | <u>Title</u>   | <u>Organization</u>  |
|-------------|--|--|
| 2006        | Invited Plenary - Avian Flu and Flu Pandemics: How Big a Threat?   | Prevention 2006, Reno, Nevada, February 25th   |
| 2006        | Bird Flu and Human Health: Why the Concern   | 2006 Public Health Conference, Ames, Iowa, Mar 28 <sup>th</sup> -29 <sup>th</sup>  |
| 2006        | Avian Influenza and Public Health: How Ready Are We?   | The 8 <sup>th</sup> Annual Occupational Health Symposium – Caring for Workers in the Heartland, Iowa City, IA, Mar 29-31st   |
| 2006        | Zoonotic Disease at the Human Animal Nexus: Research at the University of Iowa Center for Emerging Infectious Diseases | Annual Scientific Research Conference “Edmiin Chuulgan 48” of the Health Sciences University, University of Mongolia, Ulaanbaatar, Mongolia, April 24  |
| 2006        | Avian Influenza and Public Health: Why the Concern?  | Iowa Multi-Hazard Bio-Preparedness Symposium, Ames, IA, June 2   |
| 2006        | The Pandemic Threat of Avian Influenza: An Update for Health Care Professionals  | The 14 <sup>th</sup> Annual Congress on Women’s Health, Hilton Head, SC, June 5.   |
| 2006        | Research in the Public Eye: Research on Gulf War Illness   | Second North American Congress of Epidemiology, June 21-24, Seattle, WA  |
| 2006        | University of Iowa Research Regarding Zoonotic Influenza   | National Commission on Industrial Farm Animal Production, June 28, Des Moines, IA  |
| 2006        | Zoonotic Disease at the Human Animal Nexus: Research at the University of Iowa Center for Emerging Infectious Diseases | Comparative Biosciences Seminars program at the University of Minnesota, September 13 <sup>th</sup> .  |
| 2006        | Adenovirus as an Emerging Pathogen   | 12 <sup>th</sup> Annual ID Symposium, St. Francis Health Center, Topeka, KA, December 7th  |
| 2006        | Emerging Infections  | 12 <sup>th</sup> Annual ID Symposium, St. Francis Health Center, Topeka, KA, December 7th  |
| 2006        | Zoonotic Disease at the Human-Animal Nexus: Research at the University of Iowa Center for Emerging Infectious Diseases | The Department of Medical Science, Ministry of Public Health, Bangkok, Thailand, December 15th   |
| 2007        | Zoonotic Influenza: Agricultural Workers at High Risk of Infection   | Visiting Professor, Translational Immunovirology Biodefense Core Program, Mayo Clinic, Rochester, Minnesota, January 8th   |
| 2007        | Conducting Research at the Human –Animal Nexus   | Epidemiology Seminar, University of Michigan, Ann Arbor, MI, March 21 <sup>st</sup>  |
| 2007        | Zoonotic Influenza Research  | Upper Midwest And Thailand CDC Zoonotic Disease Cooperative Research Center: St. Paul, MN, March 27th  |
| 2007        | Zoonotic influenza: Agricultural workers at high risk of infection   | Pathology Research Lecture Series, University of California at San Diego, April 2 <sup>nd</sup>  |
| 2007        | Human Metapneumovirus: Why should you test for this newly recognized virus?  | Detecting the virus behind the symptom... evolution of immunoassays for the newly discovered viruses (special luncheon symposium). 23rd Annual Clinical Virology Symposium, Clearwater, FL, April 30th |

| <u>Year</u> | <u>Title</u>   | <u>Organization</u>   |
|-------------|--|---|
| 2007        | Conducting Research at the Human-Animal Nexus  | Epidemiology Seminar, University of South Florida, Tampa, Florida, May 1st  |
| 2007        | Zoonotic influenza: Agricultural workers at high risk of infection   | Seminar, St. Jude Children's Research Hospital, Memphis, TN, May 10th   |
| 2007        | Zoonotic influenza: Agricultural workers at high risk of infection   | Illuminate internet seminar, Agrisafe Network, May 16th   |
| 2007        | Zoonotic Disease at the Human Animal Nexus: Research at the University of Iowa Center for Emerging Infectious Diseases | National Center for Communicable Diseases, Ulaanbaatar, Mongolia, Ulaanbaatar, Mongolia, April 24   |
| 2007        | Zoonotic influenza: Agricultural workers at high risk of infection   | International Research in Infectious Diseases. 2007 Annual Meeting, Bethesda, MD, May 31  |
| 2007        | Human adenovirus: An Emerging Pathogen of Newly Recognized Importance  | Special microbiology seminar, US EPA-Cincinnati, Cincinnati, Ohio, August 22, 2007  |
| 2007        | Zoonotic Disease at the Human Animal Nexus   | Midwest Regional Center Excellence for Bioterrorism and Emerging Infectious Diseases, Washington University, St. Louis, MO, August 23, 2007                                 |
| 2007        | The Importance of Including Swine and Poultry Workers in Influenza Preparedness Plans                                  | USAHA Committee on Transmissible Diseases of Poultry and Other Avian Species, Reno, Nevada, October 23  |
| 2007        | Zoonotic Diseases: Their Importance and Neglect  | Internal Medicine Grand Rounds. University of Nebraska Medical Center, Omaha, Nebraska, November 16   |
| 2007        | The University of Iowa Center for Emerging Infectious Disease Research Activities                                      | Iowa Emerging Infectious Diseases Symposium, Dec 6th  |
| 2008        | Pandemic Influenza: Surveillance and Research Update   | 2 <sup>nd</sup> Avian & Pandemic Influenza Training Workshop, GCC Centre for Infection Control & Saudi Society for Public Health, Riyadh, Saudi Arabia, Jan 5 <sup>th</sup> |
| 2008        | Zoonotic influenza: Agricultural workers at high risk of infection   | 2 <sup>nd</sup> Avian & Pandemic Influenza Training Workshop, GCC Centre for Infection Control & Saudi Society for Public Health, Riyadh, Saudi Arabia, Jan 7th             |
| 2008        | Zoonotic Diseases: Their Importance and Neglect  | Department of Natural Resource Ecology and Management, Iowa State University, Ames, IA Jan 18th   |
| 2008        | Zoonotic Diseases: Their Importance and Neglect  | Seminar, University of Nigeria, Nsukka, Nigeria, Jan 30   |
| 2008        | CEID Zoonotic Influenza Research   | Avian Influenza Workshop, Tulcea, Romania, Feb 7th  |
| 2008        | Agricultural Workers at Increased Risk of Zoonotic Influenza Infection   | Avian Influenza Workshop, Tulcea, Romania, Feb 7th  |
| 2008        | Zoonotic Diseases: Their Importance and Neglect  | Avian Influenza Workshop, Tulcea, Romania, Feb 8th  |

| <u>Year</u> | <u>Title</u>   | <u>Organization</u>  |
|-------------|--|--|
| 2008        | Zoonotic Disease at the Human-Animal Nexus: Research as the University of Iowa Center for Emerging Infectious Diseases | University of Sunshine Coast, Maroochydore, Australia, Feb 26  |
| 2008        | Epidemiology:Adventures in Serving Populations   | University of Sunshine Coast, Maroochydore, Australia, Feb 26  |
| 2008        | Animal to Human Disease Transmission: Science vs. Speculation  | University of Sunshine Coast, Maroochydore, Australia, Feb 27th  |
| 2008        | Pandemic Influenza: Surveillance and Research Update   | University of Sunshine Coast, Maroochydore, Australia, Feb 29th  |
| 2008        | Recent Outbreaks of Emerging Respiratory Pathogens: Issues and Challenges  | International Conference on Emerging Infectious Diseases. Atlanta, GA. Mar 18  |
| 2008        | Zoonotic Influenza Transmission to Man   | International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, May 15-16  |
| 2008        | Zoonotic Diseases:Their Importance and Neglect   | University of Florida, Emerging Pathogens Institute Seminar, Gainesville, FL, June 11th  |
| 2008        | Pandemic Influenza Planning: Shouldn't Swine and Poultry Workers Be Included?  | Keynote Symposium: Poultry Science Association 97 <sup>th</sup> Annual Meeting, Niagara Falls, Canada, July 20th                                     |
| 2008        | Veterinarian's Risk of Zoonotic Infections   | Forum on Prevention for One Health-One Medicine at the 145 <sup>th</sup> AVMA Annual Convention, New Orleans, LA, July 22 <sup>nd</sup> .            |
| 2008        | Emerging Respiratory Virus Threats: An Update  | Clinical Didactic Series, Pathology Department, University of Iowa College of Medicine, Iowa City, IA, October 29 <sup>th</sup> .                    |
| 2008        | Evidence for Swine, Avian, and Equine Influenza Virus Infections in Man  | Emerging Infections: A Tribute to the One Medicine, One Health Concept, Manhattan, KS, November 14th   |
| 2009        | Zoonotic Diseases Their Importance and Neglect   | Claremont Graduate University School Of Community And Global Health, Claremont, CA, January 20th   |
| 2009        | CEID Research  | University of California Davis, School of Veterinary Medicine, Davis, CA, January 21st   |
| 2009        | Swine, Horse and Dog Influenza Virus: Threat to Humans   | XI International Symposium on Respiratory Viral Infections, Bangkok, Thailand, Feb 19-22   |
| 2009        | Recent Virulent Adenovirus Outbreaks in the United States  | International Symposium on Viral Respiratory Disease Surveillance, Seville, Spain, Mar 25 - 27 March   |
| 2009        | Evidence of Previous Avian Influenza Infections Among Poultry-Exposed Adults   | 7th International Symposium on Avian Influenza will be held at the University of Georgia Center for Continuing Education, Athens, Georgia, April 5-8 |

| <u>Year</u> | <u>Title</u>  | <u>Organization</u>  |
|-------------|---|--|
| 2009        | Zoonotic Diseases: Their Public Health Importance and Neglect                                 | Abram S. Benenson Distinguished Lecture, San Diego Epidemiology Research Exchange, San Diego, CA, May 8, 100 professionals and students              |
| 2009        | Zoonotic Diseases: Their Public Health Importance and Neglect                                 | 2nd International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, July 8-10  |
| 2009        | Zoonotic Diseases: Their Importance and Neglect   | University of Iowa College of Public Health Distinguished Faculty Lecture, Iowa City, IA, August 25, 110 professionals                               |
| 2009        | Zoonotic Diseases: Their Importance and Neglect   | Epidemiology Seminar, University of Nebraska College of Public Health, Omaha, NE, August 31, 50 professionals  |
| 2009        | Swine, Equine, and other Zoonotic Influenza Threats   | ISC International Conference on Emerging Zoonotic Diseases, Cairo, Egypt, October 15 <sup>th</sup> , 150 professionals                               |
| 2009        | Influenza Virus Threats to Swine Agriculture Workers: What Do We Know?                        | Program of Research on the Economic of Invasive Species Management 2009, Washington, DC, October 22, 80 professionals.                               |
| 2009        | Swine Influenza: What Do We Know About These Viruses and Their Threat to Humans?              | Café Scientifique of Iowa City, Iowa City, IA, 10 professionals, Nov 18th  |
| 2010        | Zoonotic Influenza - Implications for Agricultural Workers                                    | ASHCA-NIOSH Joint Conference Dallas, TX, Jan 27-28   |
| 2010        | Swine, Equine, & Canine Influenza Viruses: Epidemiological Evidence for Zoonotic Transmission | One Health Symposium, Midwest Veterinary Conference, Ohio Veterinary Medical Association, Columbus, OH Feb 25-28                                     |
| 2010        | Adenovirus 14, the Lethal Cold Virus  | 2010 Biology of Acute Respiratory Infection Gordon Research Conf. Ventura, CA, Mar 19-23   |
| 2010        | The Animal/Human Interface in Support of Human Disease Surveillance                           | Moving Towards Comprehensive Global Disease Surveillance, US Department of State, Marshall Conference Center, Washington, DC, June 16-17             |
| 2010        | Swine Influenza at State and County Fairs   | 3rd Annual Influenza at the Human-Animal Interface Research Partner's Meeting, Centers for Disease Control and Prevention, Atlanta, GA, August 22-23 |
| 2010        | Swine, Avian, Equine, & Canine Influenza: Epidemiological Studies at the Human-Animal Nexus   | Dept Research Conference, Department of Molecular Genetics & Microbiology, College of Medicine, University of Florida, Gainesville, FL, August 31    |
| 2010        | The Animal/Human Interface in Support of Human Disease Surveillance                           | Medical Intelligence for Homeland Security Workshop 2010, Intelligence and US One Health Initiative, Herndon, VA, September 10                       |
| 2010        | Neglected Influenza Viruses   | A(H1N1) Pandemic 2009, Results and Perspectives, Batumi, Republic of Georgia, Sept 28-30   |
| 2011        | Zoonotic Diseases: Their Importance and Neglect   | College of Veterinary Medicine, Mississippi State University, Mississippi State, MS, March 7   |
| 2011        | One Health Research at the Human-Animal Nexus   | College of Animal Science & Technology, Jiangxi Agricultural University, Nanchang, China, June 20th  |

| <u>Year</u> | <u>Title</u>  | <u>Organization</u>  |
|-------------|---|--|
| 2011        | One Health Research at the Human-Animal Nexus                                       | College of Veterinary Medicine, South China Agricultural University, Guangzhou, China, June 21.  |
| 2011        | Human Adenovirus Infections: New Understanding, New Vaccines and New Threats        | Pasteur Institute, Shanghai, China June 23   |
| 2011        | The One Health Initiative: Moving From Rhetoric to Risk Assessment                  | NIEHS Workshop to Examine the Interactions between Environmental Exposures and Infectious Agents in the Etiology of Human Disease, Research Triangle Park, NC, September 8-9 |
| 2011        | Zoonotic Diseases: Their Public Health Importance & Neglect                         | Chinese National Influenza Center, Chinese Centers for Disease Control, Beijing, China, October 17   |
| 2011        | Zoonotic Diseases: Their Public Health Importance & Neglect                         | Veterinary College, China Agricultural University, Beijing, China, October 18  |
| 2011        | Zoonotic Diseases: Their Public Health Importance & Neglect                         | Nanjing Agricultural University, Nanjing, China, October 19  |
| 2012        | Animal Workers and Zoonotic Infections: What Do We Know?                            | International Conference on Emerging Infectious Diseases. Atlanta, GA, March 11-14   |
| 2012        | The One Health Initiative: A Promising Approach to Difficult Public Health Problems | One Health: Environmental Health Considerations for Global Emerging Infectious Diseases and Illnesses, Denver, CO, June 12   |
| 2012        | The One Health Initiative: A Promising Approach to Difficult Public Health Problems | School of Veterinary Medicine, China Agricultural University, Beijing, China, June 18  |
| 2012        | The One Health Initiative: A Promising Approach to Difficult Public Health Problems | Beijing Institute of Microbiology and Epidemiology, Beijing, China, June 19  |
| 2012        | Research at the University of Florida   | Institute of Viral Disease Control and Prevention, China Center for Communicable Diseases, Beijing, China, June 21   |
| 2012        | The One Health Initiative: A Promising Approach to Difficult Public Health Problems | One Border One Health, San Diego, CA, July 26th  |
| 2012        | Swine Influenza   | University of Florida Animal Care Services Staff, August 29  |
| 2012        | The One Health Initiative: A Promising Approach to Difficult Public Health Problems | 4 <sup>th</sup> International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, Sept 6-7.  |
| 2012        | Emerging Influenza Virus Threats: An Update   | Grand Rounds, Internal Medicine Department, College of Medicine, University of Florida. Gainesville, FL, October 25 <sup>th</sup> .  |
| 2012        | Emerging Influenza Virus Threats: An Update   | Dean's Lecture, University of South Florida, Tampa, FL, November 1 <sup>st</sup> , 2012  |
| 2012        | The One Health Initiative: A Promising Approach to Difficult Public Health Problems | Stemfest, Sante Fe College, Gainesville, FL, November 26 <sup>th</sup> , 2012  |

| <u>Year</u> | <u>Title</u>   | <u>Organization</u>  |
|-------------|--|--|
| 2012        | The One Health Initiative: A Promising Approach to Difficult Public Health Problems        | National Center for Environmental Research, US Environmental Protection Agency, Washington, DC, November 29 <sup>th</sup> , 2012                                   |
| 2013        | One Health: A Promising Approach to Difficult Public Health Problems                       | Office of the Chief Scientist, Food and Drug Administration, Rockville, MD, February 26 <sup>th</sup>  |
| 2013        | One Health: A Promising Approach to Difficult Public Health Problems                       | Florida International University, May 28 <sup>th</sup>   |
| 2013        | Epidemiological Studies of Avian, Equine, and Canine Influenza Infections in Man           | 7 <sup>th</sup> Annual CEIRS meeting, Annual CEIRS Surveillance meeting, Memphis, TN July 8-11   |
| 2013        | One Health: A Promising Approach to Difficult Public Health Problems                       | Keynote address for 2013 Annual Tennessee Public Health Association, Franklin, TN September 11 <sup>th</sup> .   |
| 2013        | One Health: A Promising Approach to Difficult Public Health Problems                       | University of Hong Kong, Hong Kong, China, October 7 <sup>th</sup>   |
| 2013        | One Health: A New Professional Imperative  | Sun Yat-sen University, Guangzhou, China, October 8 <sup>th</sup>  |
| 2013        | One Health: A Promising Approach to Difficult Public Health Problems                       | Guangdong Provincial Center for Disease Control, Guangzhou, China, October 10 <sup>th</sup>  |
| 2013        | Influenza: An Introduction to Epidemiological Research                                     | Sun Yat-sen University, Guangzhou, China, October 11 <sup>th</sup>   |
| 2013        | Emerging Adenovirus Threats: Should China Develop Adenovirus Vaccines?                     | 83rd New Prospective and New Theory Academic Salon, China Association for Science and Technology (CAST), Jinan, Shandong Province, China, October 18 <sup>th</sup> |
| 2013        | One Health: A Promising Approach to Difficult Public Health Problems                       | Guangzhou Municipal CDC, Guangzhou, China, October 21 <sup>st</sup>  |
| 2013        | One Health: A Promising Approach to Difficult Public Health Problems                       | Guangzhou Center for Animal Health Inspection, Guangzhou, China, October 22 <sup>nd</sup>  |
| 2013        | Advice for Careers in Research   | Sun Yat-sen University, Guangzhou, China, October 26 <sup>th</sup>   |
| 2013        | One Health: A Promising Approach to Difficult Public Health Problems                       | South China Agricultural University, Guangzhou, China, October 28 <sup>th</sup>  |
| 2013        | Advice for Careers in Research   | South China Agricultural University, Guangzhou, China, October 29 <sup>th</sup>  |
| 2013        | From Haiti to the Hajj: Real Time Science to Prevent Pandemics with Professor Glenn Morris | Council for the Advancement of Science Writing, University of Florida, Gainesville, FL, November 3 <sup>rd</sup>   |
| 2013        | Epidemiological Studies of Avian, Equine, & Canine Influenza Infections in Man             | National Center for Occupational Health and Infection Control, Department of Veterans Affairs, Gainesville, FL, December 11  |
| 2013        | Embracing the One Health Paradigm in Approaching Complex Zoonotic Disease Problems         | Noon Infectious Disease Conference, Division of Infectious Diseases, Department of Medicine, Johns Hopkins University, Baltimore, MD, Dec 16 <sup>th</sup>         |

| <u>Year</u> | <u>Title</u>   | <u>Organization</u>  |
|-------------|--|--|
| 2014        | Embracing the One Health Paradigm in Approaching Complex Zoonotic Disease Problems | Campus-wise seminar series, Texas A&M University, January 22   |
| 2014        | University of Florida One Health Academic Programs                                 | Health Professional Education Reform Through Trans-disciplinary Ecosystem Health/One Health Approach: Lessons Learned from Around the Globe (side meeting) The Prince Mahidol Award Conference, Pattaya, Thailand, January 27-28 |
| 2014        | Embracing the One Health Paradigm in Approaching Complex Zoonotic Disease Problems | US Association of State and Territorial Epidemiologists Preparedness Policy Committee (online presentation), February 7th  |
| 2014        | “One Health: A Promising Approach to Difficult Public Health Problems”             | College Wide Seminar, University of Arizona College of Public Health, Tuscon, AZ, March 12   |
| 2014        | Epidemiological Studies of Avian, Equine, and Canine Influenza Infections in Man   | Epidemiology Seminar, University of Arizona College of Public Health, Tuscon, AZ, March 13   |
| 2014        | One Health: A Promising Approach to Difficult Public Health Problems”              | Zhongshan Centers for Disease Control, Zhongshan District, Guangdong Province, China, April 1  |
| 2014        | One Health: A Promising Approach to Difficult Public Health Problems               | Institute of Animal Health Guangdong Academy of Agricultural Sciences, Guangdong Province, China, April 4  |
| 2014        | Emerging Zoonotic Influenza Virus Threats: An Update                               | Internal Medicine Grand Rounds, Duke University Durham, NC, April 22   |
| 2014        | Embracing the One Health Paradigm in Approaching Complex Public Health Problems    | One Health Course, Durham, NC, April 22  |
| 2014        | One Health: A Promising Approach to Difficult Public Health Problems               | Online lecture, Tennessee Department of Public Health, One Health Group, August 14 <sup>th</sup> .   |
| 2014        | One Health: A Promising Approach to Difficult Public Health Problems               | Keynote address, 2014 One Health leadership Experience, Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada, August 23 <sup>rd</sup> .   |
| 2014        | International Trends in One Health Research Funding and Graduate Education         | International Symposium for One Health Research, Guangzhou, Guangdong, China, November 22  |
| 2015        | Conducting Medical Research at the Human-Animal Interface                          | Duke Clinical Research Undergraduate Experience (dCRUE), January 12th  |
| 2015        | Duke/Duke-NUS One Health Research & Training Activities                            | Duke-NUS/Duke Symposium 2015 “Infectious Diseases – Molecules to Man, March 11th   |
| 2015        | One Health: A Promising Approach to Complex Public Health Problems                 | Lecture to Wuxi Municipal Centers for Disease Control and Prevention, Wuxi, China, March 24th  |
| 2015        | Emerging Adenovirus Infections: Identifying Genetic Markers for Virulence          | 3rd Scientific Advisory Meeting of the Global Center for Mass Gathering Medicine, Riyadh, Saudi Arabia, March 29th   |

| <u>Year</u> | <u>Title</u>  | <u>Organization</u>  |
|-------------|---|--|
| 2015        | Novel pathogen discovery for Saudi patients with unexplained SARI   | 3rd Scientific Advisory Meeting of the Global Center for Mass Gathering Medicine, Riyadh, Saudi Arabia, March 30th       |
| 2015        | Overview of Our One Health Research   | Briefing Singapore's Defense Science Organization Laboratories and Duke-NUS emerging infectious diseases program         |
| 2015        | Emerging Adenovirus Threats and New Interventions   | Lecture to Singapore infectious disease physicians at Singapore General Hospital, April 29th                             |
| 2015        | Duke/Duke-NUS/DKU One Health Research & Training Activities   | Lecture to NC Dept. of Agriculture veterinary professionals, July 21st   |
| 2015        | Emerging Avian Influenza Virus Threats: An Update   | Lecture to Duke Healthcare Preparedness Region, Durham, NC, July 31st  |
| 2015        | Opportunities in One Health Research Funding and Education  | International Conference on Emerging Infectious Diseases, Atlanta, GA, August 26.  |
| 2015        | One Health: A Promising Approach to Difficult Public Health Problems                                      | 15th National Virology Conference, Ulaanbaatar, Mongolia, September 17   |
| 2015        | Advice for Careers in Research  | Address to students, College of Veterinary Medicine, South China Agricultural University, Guangzhou, China, September 21 |
| 2015        | Emerging Respiratory Virus Threats You May Not Have Recently Discussed and Why Should Veterinarians Care? | College of Veterinary Medicine, South China Agricultural University, Guangzhou, China, September 22                      |
| 2015        | Opportunities in One Health Research Funding and Education  | International Symposium on Safety Assessment of Veterinary Antimicrobial Agents, Guangzhou, China, September 23.         |
| 2015        | Emerging Respiratory Virus Threats You May Not Have Recently Discussed                                    | Guangdong Provincial Hospital of Chinese Medicine, Guangdong, China, Sept 24   |
| 2015        | Emerging Respiratory Virus Threats You May Not Have Recently Discussed                                    | Jiangsu CDC, Nanjing, China, Sept 28th   |
| 2015        | The One Health Approach to Wicked Public Health Problems  | Shanghai Infectious Disease Clinical Center, Sept 29th   |
| 2015        | The One Health Approach to Wicked Public Health Problems  | Duke Kunshan University, Kunshan, China, Sept 30th   |

#### Visiting Professorships

| <u>Year</u> | <u>Location</u>  |
|-------------|--|
| 1998        | Received Brooke Visiting Professorship from the Epidemiology & Public Health Medicine Section of the Royal Society of Medicine (London) for epidemiological work among Gulf War veterans |
| 2002        | Iowa Lutheran Hospital, Des Moines, Iowa, September 12 <sup>th</sup>   |

|         |   |
|---------|---|
| 2003    | North Iowa Mercy Health Center, Mason City, Iowa, April 16 <sup>th</sup>                    |
| 2006    | North Iowa Mercy Health Center, Mason City, Iowa, November 8 <sup>th</sup>                  |
| 2007    | Translational Immunovirology Biodefense Core Program, Mayo Clinic, Rochester, Minnesota     |
| 2012-   | Institute of Microbiology and Epidemiology, Academy of Military Medical Science, P.R. China |
| 2013-17 | Guest Professor, South China Agricultural University, Guangzhou, P.R. China                 |

Offices/appointments held in professional organizations (least to most recent)

*Editorships/Boards*

| <u>Year</u> |  |
|-------------|--|
| 2007-12     | Board member, International Society for Influenza and Other Respiratory Virus Diseases |
| 2008-14     | Associate Editor, <i>Journal of Infection and Public Health</i>                        |
| 2008-11     | Editorial Board, <i>Journal of Clinical Virology</i>                                   |
| 2010-14     | International Advisory Committee, <i>Journal of Military and Veterans' Health</i>      |
| 2010-14     | Board of Advisors, Board on the Health of Select Populations, Institute of Medicine    |
| 2010-14     | Medical Follow-up Agency Advisory Committee, Institute of Medicine                     |
| 2011-       | USA Councilor, Edward Jenner Vaccine Society   |
| 2011-       | Editorial Board, journal <i>Influenza and Other Respiratory Viruses</i>                |
| 2014-       | Editorial Board, journal <i>Military Medical Research (Beijing, China)</i>             |

*Review Panels*

| <u>Year</u> | <u>Title</u>  |
|-------------|---|
| 1997        | Special Emphasis Panel to review and rate proposals to conduct studies of illnesses among Persian Gulf War veterans, National Center for Environmental Health, Centers for Disease Control and Prevention |
| 1997        | Planning Committee for VA's national health survey of Persian Gulf veterans and their families  |
|             | Executive Committee for VA Cooperative Study #458, National Health Survey of Gulf War era veterans and their families – Phase III Physical Examinations   |
| 1999        | Department of Veterans Affairs Gulf War Field Advisory Group  |
| 2000        | Meeting on the Prevention of Invasive Group A Streptococcal Infections, Centers for Disease Control and Prevention  |
| 2000        | NASA, Mars Sample Handling Protocol Workshop Series   |
| 2002-3      | Institute of Medicine's Advisory Panel for the Study of Long-term Health Effects of Participation in Project SHAD (Shipboard Hazard and Defense)  |
| 2002-3      | Data Safety Monitoring Board of the National Smallpox Vaccination Program   |
| 2003        | At the invitation of the United Kingdom's Medical Research Council, served as the US discussant for "Review of Research Related to Gulf War Veterans' Illnesses"  |
| 2005        | John R. LaMontagne Memorial Symposium on Pandemic Influenza Research, National Academy of Science (special invitation to participate)   |
| 2009        | FAO, OIE, WHO (OFFLU) Scientific Consultation on Potential Risks of Influenza A/H1N1 at the Animal Human Interface, June 3  |

*Departmental, Collegiate or University Service Positions*

| <u>Year</u> | <u>Position</u>  |
|-------------|--|
| 2003-       | Global Health Studies Program (GHSP) Executive Committee |

|           |  |
|-----------|--|
| 2003-4    | College of Medicine, College of Public Health, Veterans Administration Research Week Organization Committee for 2004 |
| 2003-4    | College of Public Health Scholarly Productivity Task Force   |
| 2003-     | College of Public Health Research Council  |
| 2003-6    | College of Public Health Faculty Council   |
| 2004-5    | College of Public Health Faculty Promotion and Tenure Committee  |
| 2003-5    | Faculty Productivity Task Force  |
| 2004-5    | College of Public Health Security Committee  |
| 2006-9    | MPH Admissions Committee   |
| 2006-7    | Influenza Pandemic Preparedness Committee  |
| 2007-9    | Faculty Review Committee   |
| 2008-2009 | Iowa Center of Birth Defects Research and Prevention Executive Committee   |

*Professional Organizations (state and/or national)*

| <u>Year</u> | <u>Organization</u>  | <u>Position</u> |
|-------------|--|-----------------|
| 1986-2004   | American Society of Tropical Medicine and Hygiene                        | Member          |
| 1989-       | American Society of Microbiology   | Member          |
| 1989-2008   | Society for Epidemiological Research                                     | Member          |
| 1992-       | Infectious Disease Society of America                                    | Member          |
| 1997-       | Infectious Disease Society of America                                    | Fellow          |
| 2000-       | Association of Military Surgeons of the United States                    | Member          |
| 2006        | International Society for Influenza and Other Respiratory Virus Diseases | Member          |
| 2009-10     | European Society for Clinical Virology                                   | Member          |
| 2011        | Edward Jenner Vaccine Society  | USA Councilor   |

Other Professional Service

*Refereed Manuscripts*

| <u>Year</u> | <u>Title</u>  |
|-------------|---|
| Since 1996  | American Journal of Tropical Medicine and Hygiene           |
| Since 1997  | Clinical Infectious Diseases                                |
| Since 1997  | Lancet  |
| Since 1998  | New England Journal of Medicine                             |
| Since 1998  | Emerging Infectious Diseases                                |
| Since 1998  | JAMA, top 10% reviewer 1999                                 |
| Since 2000  | British Medical Journal                                     |
| Since 2000  | Journal of Epidemiology and Community Health                |
| Since 2000  | Chest   |
| Since 2001  | American Journal of Preventive Medicine                     |
| Since 2001  | American Journal of Epidemiology                            |
| Since 2002  | American Journal of Public Health                           |
| Since 2004  | Journal of Exposure Analysis and Environmental Epidemiology |

| <u>Year</u> | <u>Title</u>                 |
|-------------|------------------------------|
| Since 2004  | Vaccine                      |
| Since 2005  | Journal of Clinical Virology |
| Since 2006- | Numerous journals            |

*Organize Conference, Paper Session, etc.*

| <u>Year</u> | <u>Title</u>  |
|-------------|---|
| 2002        | Center for Preparedness Grand Rounds: Responding to Ebola Outbreaks: The International Collaboration of the World Health Organization's Global Outbreak Alert and Response Network Ray Arthur, PhD of the World Health Organization   |
| 2002        | Center for Preparedness Grand Rounds: Rapid Laboratory and Field Identification of Human and Agricultural Bioterrorism Agents - Gary Long, PhD of TetraCore, Inc.   |
| 2002        | Center for Preparedness Grand Rounds: Antibioterrorism: CDC's Strategy and Perspective - Stephen M. Ostroff, MD of the Centers for Disease Control and Prevention   |
| 2002        | Center for Preparedness Grand Rounds: Agroterrorism Increasing Awareness and Preparedness - Radford Davis, DVM, PhD, Iowa State University  |
| 2002        | Special College of Public Health Seminar: Current Issues in Biomedical Publication - Phil B. Fontanarosa, MD, Executive Deputy Editor of the Journal of the American Medical Association  |
| 2003        | Center for Preparedness Grand Rounds: Detecting Agents of Bioterrorism: An Overview of Environmental Sampling Techniques - Wayne T. Sanderson, University of Iowa   |
| 2003        | Center for Preparedness Grand Rounds: The Threat of SARS: What We Know, What We Don't Know, and What We Need to Do - J. Todd Weber, MD of the Centers for Disease Control and Prevention  |
| 2003        | Center for Preparedness Grand Rounds: Psychosocial Issues Arising from the Aftermath of Disasters, War, and Other Traumatic Events - Charles C. Engel, Jr., MD, MPH of the Walter Reed Army Medical Center  |
| 2003        | Special College of Public Health Seminar: Bugs, Bombs and Band-aids: Vector-borne Disease Research in South America - Dr. Jeffrey Stancil, PhD, Head, Vectors of Disease Program of the Navy Medical Research Center Detachment, Peru   |
| 2003        | Special College of Public Health Seminar: Reproductive Health Surveillance in the U.S. Military: The Dept. of Defense Birth and Infant Health Registry - Margaret A. K. Ryan, MD, MPH Director, DoD Center for Deployment Health Research and the DoD Birth and Infant Health Registry at the Naval Health Research Center, San Diego |
| 2003        | Special College of Public Health Seminar: HIV Vaccines: A Light at the End of the Tunnel - Jose Sanchez, MD, MPH of the US Naval Medical Research Center Detachment in Lima, Peru   |
| 2004        | Center for Preparedness Grand Rounds: Remembering the Zebras: Tools for Public Health Officials and Veterinarians Slide Presentation – Dr. James Roth, DVM, PhD, of the The Center for Food Security and Public Health (CFSPH) at Iowa State University   |
| 2004        | Center for Preparedness Grand Rounds: Pandemic Flu: Current Influenza Epidemiology and National Pandemic Preparations - Keiji Fukuda, MD of the Influenza Branch, National Center for Infectious Diseases, Centers for Disease Control & Prevention   |
| 2004        | Center for Preparedness Grand Rounds: BIOTERRORISM: Close Encounters of the Lab Kind - Mary J.R. Gilchrist, Ph.D. Director University of Iowa Hygienic Laboratory   |
| 2004        | University of Iowa College of Medicine, College of Public Health, VA Medical Center   |

| <u>Year</u> | <u>Title</u>   |
|-------------|--|
|             | Research Week special lecture: The Group A Streptococcus: A Persistent Pest and a Perplexing Biologic Provocateur - Edward L. Kaplan, MD of the Department of Pediatrics, University of Minnesota Medical School |
| 2004        | Center for Preparedness Grand Rounds: Evidence and Anecdote: Medicine and Science in the Popular Press - David M. Brown, MD, science and medicine reporter for the The Washington Post                           |
| 2004        | Center for Preparedness Grand Rounds: Prions: Public Health Threat? - James Torner, PhD, professor and head of epidemiology, The University of Iowa  |
| 2005        | Special College of Public Health Seminar: HIV Threat Assessment and Epidemiology: Efforts by the US Military HIV Research Program - Jose L. Sanchez, M.D., MPH of the Walter Reed Army Institute of Research     |
| 2007        | Organized Iowa Emerging Infectious Disease Symposium, Dec 6 <sup>th</sup> , Iowa City, IA  |
| 2008        | Organized an International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, May 15-16, 70 participants from 5 countries attended  |
| 2008        | Assisted in organizing Iowa Emerging Infectious Disease Symposium, Dec 6 <sup>th</sup> , Ames, IA  |
| 2009        | Key organizer, International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, July 9-10   |
| 2010        | Organized and co-chaired the ISIRV International Symposium on Neglected Influenza Viruses, Amelia Island, Fl, February 3-5   |
| 2010        | Key organizer, International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, July 29-30  |
| 2012        | Key organizer, International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, September 6-7   |
| 2013        | Co-chaired the ISIRV International Symposium on Neglected Influenza Viruses, Dublin, Ireland, March 7-8  |
| 2014        | Key member of Scientific Planning Committee, International Symposium for One Health Research, Guangzhou, Guangdong, China, November 22-23  |

*Departmental, Collegiate or University Committees (other than teaching)*

| <u>Year</u> | <u>Title</u>  |
|-------------|---|
| 2002        | Admissions Committee for Dual Degree and Other General Track MPH Students |
| 2002-3      | COM-CPH Collegiate Nomination Committee                                   |
| 2002-3      | COPH, Electronic Communications Committee                                 |

*State or National Committees*

| <u>Year</u> | <u>Title</u>  |
|-------------|---|
| 2002-3      | Health Resources and Services Administration Cooperative Agreement Subcommittee, Iowa Dept of Public Health |

*Professionally Relevant Community Involvement*

| <u>Year</u> | <u>Activity</u>  |
|-------------|--|
| 2002        | Agents of Bioterrorism We are Most Likely to Encounter -Community Education session, Mercy Medical Center, Dyersville/Tri-State Occupational Health Dyersville, IA September 4 <sup>th</sup> |

|      |   |
|------|---|
| 2002 | Agents of Bioterrorism We are Most Likely to Encounter -Community Education – Presentation to Iowa City’s “The Club” Iowa City, IA, September 24 <sup>th</sup>  |
| 2002 | Iowa City radio talk show on bioterrorism WSUI “Iowa Talks” , November 15 <sup>th</sup> , 2001  |
| 2003 | Epidemiology: Adventures in Serving Populations – Presentation to AP biology students, West High School, Iowa City, IA, February 12 <sup>th</sup>   |
| 2004 | “Bird Flu and Human Health: Why the Concern?” An Educational Outreach Program Co-Sponsored by the UI College of Public Health, the UI Alumni Association, and the Hawkeye Community College, Waterloo, IA, Oct 19 <sup>th</sup> |
| 2005 | Avian influenza and public health: Why the concern? 43 <sup>rd</sup> annual Junior Science and Humanities Symposium (200 high school students), Sheraton, Iowa City, February 24 <sup>th</sup> .                                |
| 2005 | Avian influenza and public health: Why the concern? Biology Undergraduate Society, University of Iowa. Mar 28 <sup>th</sup>   |
| 2005 | Avian influenza and public health: Why the concern? Education and Training Advisory Committee (EdTrAC), Des Moines, IA Sept 8th   |
| 2005 | Center of Emerging Infectious Diseases Activities, Talk of Iowa, AM930, Radio Show Interview  |
| 2005 | Bird flu and public health: Why the concern? Iowa Western Community College in Council Bluffs October 19 <sup>th</sup>  |
| 2005 | Bird flu and public health: Why the concern? Iowa Anti-Terrorism Advisory Council Meeting (ATAC) meeting in Cedar Rapids, Iowa November 8th   |
| 2006 | Science and Overview of Pandemic Influenza at the Pandemic Influenza: Human and Animal Impacts. A Multi-Disciplinary Workshop. Ankeny, IA January 12th  |
| 2006 | Bird flu and public health: Why the concern? Calculus students, Regina HS, Iowa City, IA, Jan 17 <sup>th</sup> .  |
| 2006 | Risk of Pandemic Influenza and Course of Disease. Cedar Rapids Area Chamber of Commerce, Cedar Rapids, IA, Sept 28 <sup>th</sup> .  |
| 2006 | Pandemic Influenza and Public Health: Why the Concern? State Health Registry of Iowa Staff Meeting, Iowa City, IA, August 31 <sup>st</sup>  |
| 2008 | The Pandemic Threat of Avian Influenza: An Update for Health Care Professionals Midwestern Conference Health Care in the Elderly, Iowa City, IA, January 24th   |
| 2010 | Zoonotic Diseases: Their Importance and Neglect, University of Florida Pre-Med AMSA students, March 24 <sup>th</sup>  |
| 2011 | Examples of Environmental & Global Health Research, Sunrise Rotary Club, Oct 6, 2011  |

*Professional Consulting*

| <u>Year</u> | <u>Organization</u>    | <u>Role</u>                                       |
|-------------|------------------------|---|
| 2001        | Dynport Vaccines, Inc. | Consultant for Research Proposal                  |
| 2001        | GEO Centers. Inc.      | Review of Research Protocols                      |
| 2006-7      | Duramed, Inc.          | Data Management Committee for adenovirus vaccines |
| 2006        | CSL Biotherapies       | Scientific Advisory Board for influenza vaccine   |

*Other*

| <u>Year</u> | <u>Activity</u> | <u>Role</u> |
|-------------|-----------------|-------------|
|-------------|-----------------|-------------|

|      |   |  |
|------|---|--|
| 2007 | July 5-6 <sup>th</sup> , Prevention and Control of Avian Influenza in US” (AICAP, <a href="http://www.aicap.umd.edu">www.aicap.umd.edu</a> ), Cooperative Agricultural Projects (CAP) currently funded by the CSREES-USDA | Reviewed and scored research proposals |
|------|---|--|

## Students Advised

### Graduate Students

| <u>Began</u> | <u>Name</u>             | <u>Degree Objective</u> | <u>Outcome</u>  |
|--------------|-------------------------|-------------------------|-----------------|
| 2002         | Ann Farmer              | MS (Epi)                | MS 2003         |
| 2002         | Carol McGhan            | MPH                     | MPH 2006        |
| 2002         | Vaidarbhi Kolavennu     | MS (Epi)                | MS 2004         |
| 2002         | Glenda Dvorak           | MPH                     | MPH 2003        |
| 2002         | Jamie Johnston          | MPH                     | MPH 2003        |
| 2002         | Mike Parker             | MS (Epi)                | May 2007        |
| 2003         | Danielle Bickett-Weddle | MPH                     | MPH 2004        |
| 2003         | Susan Brockus           | MPH                     | MPH 2004        |
| 2003         | Ann Peters              | MPH                     | MPH 2004        |
| 2003         | Katie Steneroden        | MPH                     | MPH 2004        |
| 2003         | Karry Jannie            | MPH                     | MPH 2004        |
| 2003         | Laura Quinn             | MPH (Epi)               | MPH 2004        |
| 2003         | Sarah Starks            | MS (Epi)                | MS 2004         |
| 2004         | Sarah Starks            | PhD (Epi)               | Dec 2010        |
| 2003         | Sam Messer              | MPH                     | MPH 2006        |
| 2004         | Alex Ramirez            | MPH                     | MPH 2006        |
| 2004         | Michele Anderson        | DVM/MPH                 | MPH 2006        |
| 2005         | Ingrid Trevino          | MPH (internat'l)        | MPH 2006        |
| 2005         | Bryan Buss              | MPH                     | MPH 2006        |
| 2005         | Margaret Chorazy        | PhD (Epi)               | PhD Spring 2010 |
| 2005         | Mohammad Ghazi Kayali   | PhD (Epi)               | PhD Aug 2008    |
| 2005         | Mike Male               | MS                      | MS Dec 2009     |
| 2007         | Jennifer Christensen    | DVM/MPH                 | MPH May 2009    |
| 2007         | Amanda Silverberg       | DVM/MPH                 | MPH Dec 2008    |
| 2007         | Kim Gudenhauf           | DVM/MPH                 | MPH May 2009    |
| 2007         | Sam Messer, MPH         | MS (Epidemiology)       | MS Dec 2009     |
| 2007         | Whitney Baker, MPH      | PhD (Epidemiology)      | MPH Summer 2010 |
| 2008         | Fernandez, Charlene     | MPH for practicing vets | MPH Spring 2010 |
| 2008         | Weaver, Genevieve       | MPH for practicing vets | MPH Spring 2010 |
| 2009         | Haugen, Brett. MD       | MPH                     | MPH Spring 2010 |
| 2009         | Emily Beard             | DVM/MPH                 | MPH Spring 2012 |
| 2009         | Crew, Page E            | MS (epi)                | MS May 2011     |
| 2009         | Schultz, Jonathan       | MPH (epi)               | MPH May 2011    |

| <u>Began</u> | <u>Name</u>                     | <u>Degree Objective</u> | <u>Outcome</u> |
|--------------|---------------------------------|-------------------------|----------------|
| 2010         | Anderson, Ben                   | MPH (EGH)               | MPH April 2012 |
| 2010         | Clark, Nadia                    | MPH (EGH)               | MPH April 2012 |
| 2010         | Davies, Jennifer                | MPH (EGH)               | MPH April 2012 |
| 2010         | Derby, Robin                    | MPH (EGH)               | MPH April 2012 |
| 2011         | Su, Yi                          | MPH (EGH)               | MPH April 2013 |
| 2011         | Alsahafi, Yaser                 | PhD (EGH)               |                |
| 2012         | Anderson, Ben, MPH              | PhD (EGH One Health)    |                |
| 2012         | Khan, Mohammed Salah Uddin, DVM | PhD (EGH)               |                |
| 2012         | Mary Leigh Morris               | MHS (One Health)        | MHS Dec 2013   |
| 2012         | Tia Reddick                     | MHS (One Health)        | MHS Dec 2013   |
| 2012         | Lauren Stevenson                | MHS (One Health)        | MHS Dec 2013   |
| 2013         | Don Neiffer, DMV                | MHS (One Health)        |                |
| 2013         | Nnanyelugo Odezulu              | MHS (One Health)        | MHS Aug 2014   |
| 2013         | Jane Ritho                      | MHS (One Health)        |                |
| 2013         | Bahareh Keith, MD               | MHS (One Health)        |                |
| 2013         | Jonnie Dietz                    | MHS (One Health)        |                |
| 2013         | Sarah Keller/White, MPH         | PhD (EGH One Health)    |                |
| 2013         | Marissa Valentine, MPH          | PhD (EGH One Health)    |                |
| 2015         | Laura Pulscher                  | MS (Global Health)      |                |
| 2015         | Fatima, Hiba                    | MS (Global Health)      |                |
| 2015         | Tom Moore                       | MS (Global Health)      |                |
| 2015         | Christophe Hansen-Estruch       | MD                      |                |

*Professional/Postdoctoral Students*

| <u>Began</u> | <u>Name</u>   | <u>Degree Objective</u>                     | <u>Role</u>         |
|--------------|---|---|---------------------|
| 2006         | Selim Kilic (Physician epidemiologist, Turkey)                        | Postdoc 12 months                           | Mentor              |
| 2009         | Burmaa Alexander (Physician epidemiologist, Mongolia)                 | NIAID influenza laboratory trainee 2 months | Laboratory director |
| 2009         | Dr. Ulziimaa Daramragchaan (Physician epidemiologist, Mongolia)       | NIAID influenza laboratory trainee 2 months | Laboratory director |
| 2009-11      | BP Khuntirat (junior investigator, physician epidemiologist Thailand) | NIAID R01 collaborator                      | Mentor              |
| 2010-11      | Amanda Rice, PhD  | Faculty                                     | PI                  |
| 2011-12      | Tom Waltzek, DVM, PhD   | Faculty                                     | PI                  |
| 2010-12      | Kalina Atanosova, PhD   | Training                                    | PI                  |
| 2010-12      | Kelli Barr, PhD   | Training                                    | PI                  |
| 2011-13      | Whitney Krueger, PhD  | Training                                    | PI                  |
| 2014-15      | Sophia Papageorgiou, DVM, MPVM, PhD                                   | Training                                    | PI                  |

|       |                                    |          |    |
|-------|------------------------------------|----------|----|
| 2014- | Boldbaatar Bazartseren, DVM, PhD   | Training | PI |
| 2014- | Sukhbaatar Lkhagvatseren, DVM, PhD | Training | PI |
| 2015- | Von Fricken, Michael, PhD          | Training | PI |
| 2015- | Dereken Johnson, PhD               | Training | PI |
| 2015- | Ulziimaa Daramragchaa, MD          | Training | PI |
| 2015- | Maitsetset Chuluunbaatar, MS       | Training | PI |

*MPH Practicum / MS Preceptorship*

| <u>Year</u> | <u>Name</u>             | <u>Degree Objective</u> | <u>Role</u>  |
|-------------|-------------------------|-------------------------|--|
| 2003        | Ann Farmer              | MS (epi)                | Preceptorship committee  |
| 2003        | Glenda Dvorak           | MPH                     | Practicum committee  |
| 2003        | Jamie Johnston          | MPH                     | Practicum committee  |
| 2003        | Danielle Bickett-Weddle | MPH                     | Practicum committee  |
| 2003        | Susan Brockus           | MPH                     | Practicum committee  |
| 2003        | Ann Peters              | MPH                     | Practicum committee  |
| 2003        | Katie Steneroden        | MPH                     | Practicum committee  |
| 2003        | Chris Galeazzi          | MPH                     | Practicum committee  |
| 2004        | Vaidarbhi Kolavennu     | MS (epi)                | Preceptorship committee  |
| 2004        | Meghan Harris           | MPH                     | Practicum committee  |
| 2004        | Jared Taylor            | MPH                     | Practicum committee  |
| 2004        | Dipa Brahmhatt          | MPH                     | Practicum committee  |
| 2004        | Kaitlin Rainwater       | MPH                     | Arranged practicum in Peru,<br>Practicum committee             |
| 2004        | Stacy Holzbauer         | MPH                     | Arranged practicum in Peru,<br>Practicum committee             |
| 2004        | Tina Parker             | MS (epi)                | Arranged overseas training in Peru                             |
| 2004        | Mike Parker             | MS (epi)                | Arranged overseas training in Peru                             |
| 2004        | Karry Jannie            | MPH                     | Practicum preceptor / committee                                |
| 2004        | Alex Ramirez            | MPH                     | Practicum preceptor / committee                                |
| 2005        | Kerry Leedom            | MPH                     | Practicum preceptor / committee                                |
| 2005        | Ingrid Trivino          | MPH                     | Arranged practicum in Peru<br>Practicum committee              |
| 2005        | Ernesto Ortiz           | MPH                     | Arranged practicum in Peru                                     |
| 2005        | Lindsay Schulz          | MPH                     | Arranged practicum in Egypt<br>Practicum preceptor / committee |
| 2005        | Sam Messer              | MPH                     | Arranged practicum at USAMRIID                                 |
| 2005        | Ashley Miller           | MPH                     | Arranged practicum in Egypt<br>Practicum committee             |
| 2006        | Diana von Stein         | MPH                     | Arranged practicum at USAMRIID                                 |
| 2006        | Natalie Rice            | MPH                     | Arranged practicum at USAMRIID                                 |
| 2007        | Matt Noble              | MPH                     | Arranged practicum at NAMRU2                                   |
| 2007        | Kristin Wyant           | MPH                     | Arranged practicum at NAMRU2                                   |
| 2007        | Laura Lee               | MPH                     | Arranged practicum at AFRIMS                                   |

|      |                     |           |   |
|------|---------------------|-----------|---|
| 2007 | Sam Messer          | PhD       | Arranged practicum at NAMRU2  |
| 2007 | Laurie Leder        | MPH       | Arranged practicum at USAMRIID  |
| 2007 | Erin Moritz-Korolev | PhD       | Arranged training at USAMRIID   |
| 2008 | Adaugo Ndubuisi     | MPH       | Arranged practicum at University of Nigeria Nsukka  |
| 2008 | Emma Gelman         | MPH       | Arranged practicum at National Center Communicable Diseases, Ulaabaatar, Mongolia               |
| 2008 | Amanda Silberberg   | MPH       | Arranged practicum at Veterinary Medical Institute, Ulaabaatar, Mongolia                        |
| 2008 | Amanda Irish-Key    | BS honors | Arranged summer international training at University of Nigeria Nsukka                          |
| 2008 | Nicole Pearson      | MPH       | Arranged practicum at Tulcea County Sanitary Veterinary & Food Safety Authority, Tulcea Romania |
| 2009 | Brianna Dannon      | MPH       | Arranged practicum at National Center Communicable Diseases, Ulaabaatar, Mongolia               |
| 2010 | Sarah Franz         | MPH       | Arranged practicum at Veterinary Medical Institute, Ulaabaatar, Mongolia                        |
| 2010 | Amando-Jo Joswig    | MPH       | Arranged practicum at Veterinary Medical Institute, Ulaabaatar, Mongolia                        |

*Dissertation/Thesis*

| <u>Year</u> | <u>Name</u>               | <u>Degree Objective</u> | <u>Role</u>  |
|-------------|---------------------------|-------------------------|--|
| 2002-       | Kendall Myers             | PhD                     | Dissertation advisor / committee                       |
| 2003        | Julie Wood                | MS (epi)                | Member, thesis committee                               |
| 2004-       | Mike Parker               | MS (epi)                | Member, thesis committee                               |
| 2004        | Tina Parker               | MS (epi)                | Member, thesis committee                               |
| 2004-5      | Sandy Olson (Univ. of WI) | MS                      | Thesis research advisor / committee                    |
| 2004-       | Sarah Starks              | PhD                     | Member, dissertation committee                         |
| 2006        | Roberto Saenz             | PhD                     | Member, dissertation committee                         |
| 2005-7      | Matt Murphy               | PhD                     | Member, dissertation committee                         |
| 2006-8      | Ghazi Kayali              | PhD                     | Dissertation advisor, Chair, dissertation committee    |
| 2006-10     | Maggie Chorazy, MS        | PhD                     | Dissertation advisor, Co-Chair, dissertation committee |
| 2009-10     | Erin Moritz-Korolev, MS   | PhD                     | Dissertation committee                                 |
| 2013-       | Galaxia Cortés-Hinojosa   | PhD                     | Member, dissertation committee                         |

|         |                         |         |   |
|---------|-------------------------|---------|---|
| 2007-12 | Whitney Baker, MPH      | PhD     | Dissertation advisor, Chair, dissertation committee |
| 2011-   | Cuc Tran, MPH           | PhD-EGH | Dissertation advisor, Chair, dissertation committee |
| 2011-   | Ali Messenger, MPH      | PhD-EGH | Member, dissertation committee                      |
| 2011-   | Maha Adel Elbadry       | PhD-EGH | Member, dissertation committee                      |
| 2011-   | Yaser Abdulaziz Alshafi | PhD-EGH | Dissertation advisor, Chair, dissertation committee |
| 2012-   | Ben Anderson, MPH       | PhD-EGH | Dissertation advisor, Chair, dissertation committee |
| 2012-   | Salah Uddin Khan, MPH   | PhD-EGH | Academic Advisor                                    |
| 2012-   | Xiao Zheng (Bela)       | PhD-EGH | Member, dissertation committee                      |
| 2013    | Sarah White             | PhD-OH  | Committee Chair                                     |

#### Other Advising/Mentoring

| <u>Began</u> | <u>Name</u>         | <u>Position</u>                                       | <u>Role</u> |
|--------------|---------------------|---|-------------|
| 2002 summer  | George Hightower    | Summer Research Opportunities Program (undergraduate) | Mentor      |
| 2003 spring  | Muhammed Jabang     | Fogarty Scholar from The Gambia                       | Mentor      |
| 2003 summer  | Edisa Albino        | Summer Research Opportunities Program (undergraduate) | Mentor      |
| 2003         | Emily Wagstron      | Laboratory intern (undergraduate)                     | Mentor      |
| 2004 summer  | Kendra Grams        | Laboratory intern (undergraduate from Coe College)    | Mentor      |
| 2004 fall    | Alexandru Coman     | Fogarty Scholar from Romania                          | Advisor     |
| 2005         | Jill Dinkla         | Laboratory intern (undergraduate)                     | Mentor      |
| 2005         | Scott Teesdale      | Laboratory intern (undergraduate)                     | Mentor      |
| 2005         | Rebecca Milburn     | Laboratory intern (undergraduate)                     | Mentor      |
| 2005         | Lindsay Bodkins     | Laboratory intern (undergraduate)                     | Mentor      |
| 2005         | Daniella Moga       | Fogarty Scholar from Romania                          | Advisor     |
| 2005         | Ernesto Ortiz       | Laboratory intern (MPH student)                       | Mentor      |
| 2006         | Laura Lee           | Laboratory intern (undergraduate)                     | Mentor      |
| 2006         | Martha Carvour      | Laboratory intern (MD/MPH student)                    | Mentor      |
| 2006         | Will Heise          | Laboratory intern (MD/MPH student)                    | Mentor      |
| 2006         | Phil Van Der Griend | Laboratory intern (MPH student)                       | Mentor      |
| 2006         | Sean McGee          | Laboratory intern (Biology)                           | Mentor      |
| 2006         | Margaret Chorazy    | Laboratory intern (PhD student)                       | Mentor      |
| 2006         | Brad Randles        | Laboratory intern (MD/MPH student)                    | Mentor      |

|      |                      |   |                     |
|------|----------------------|---|---------------------|
| 2006 | James Bechtel        | Laboratory intern (Biochemistry student)  | Mentor              |
| 2007 | Erin Moritz          | Laboratory intern (PhD student)   | Mentor              |
| 2007 | Pradeep Bandaru      | Laboratory intern (Physics)   | Mentor              |
| 2007 | Emily Funk           | Laboratory intern Chemistry & math major, Boston University                     | Mentor              |
| 2007 | Meri Good            | Laboratory intern UI MPH student  | Mentor              |
| 2007 | Brett Powell         | Laboratory intern UI MPH student  | Mentor              |
| 2007 | Taylor Seemuth       | Laboratory intern Freshman at ISU   | Mentor              |
| 2007 | Osarumen Okunbor     | Laboratory intern Univ of MOi-Columbia, SROP student, Psychology                | Mentor              |
| 2007 | Brandon Alleman      | Laboratory intern MD/PhD student  | Mentor              |
| 2007 | Abby Harper          | Laboratory intern UI Epi MS student   | Mentor              |
| 2007 | Andrew Oga           | Laboratory intern, National Veterinary Research Institute Vom, Nigeria          | Mentor              |
| 2008 | Courtney Cook        | Laboratory intern, Epi MS student, Univ of IA CPH                               | Mentor              |
| 2008 | Erin Reynolds        | Laboratory intern, Epi PhD student, Univ of IA CPH                              | Mentor              |
| 2008 | Hsiu-yin Chiang      | Laboratory intern, Epi PhD student, Univ of IA CPH                              | Mentor              |
| 2008 | Phil Scheibel        | Laboratory intern, Biological sciences and psychology undergrad, Univ of IA     | Mentor              |
| 2008 | Eric Elliott         | Laboratory intern, Biological sciences, Undergrad, Wheaton College, Wheaton, IL | Mentor              |
| 2008 | Eric Hawkins         | Laboratory intern, Epi MS student, Univ of IA CPH                               | Mentor              |
| 2008 | Tracy Lynn MacIntyre | Laboratory intern, Epi MS student, Univ of IA CPH                               | Mentor              |
| 2008 | Val Clottey          | CEID research assistant Gray RA   | Mentor              |
| 2008 | Nicole Pearson       | Laboratory intern, Epi MPH student, Univ of IA, CPH                             | Mentor              |
| 2009 | Ipar Zeynep Demir    | MS epidemiology student   | Laboratory director |
| 2009 | Laura Vonnahme       | MPH (epi) student,  | Laboratory director |
| 2009 | Anne Dressler        | MS epidemiology student,  | Laboratory director |
| 2009 | Amanda Irish         | Laboratory intern, MPH student  | Laboratory director |
| 2009 | Lauren Levitz        | Laboratory intern, Undergrad at Brown University                                | Laboratory director |
| 2009 | Thomas Heineman      | Undergrad Univ of IA / Oxford University, Chemistry major                       | Laboratory director |

Other Contributions to Institutional Programs

*Institutional Conferences, Grand Rounds, Journal Clubs*

| <u>Year</u> | <u>Title</u>   | <u>Location</u>   |
|-------------|--|---|
| 2001        | Epidemiology Journal Club – Meningococcal meningitis prevention  | University of Iowa  |
| 2002        | Epidemiology Journal Club – Cryptic Contagions in a Covert Cohort  | University of Iowa  |
| 2002        | Grand Rounds: Agents of Bioterrorism We are Most Likely to Encounter, February 21, 2002  | Iowa Cable Network presentation for the Center for Public Health Preparedness, from Iowa City, IA |
| 2002        | Epidemiological Studies Among Gulf War Veterans: How Would you Evaluate Non-specific Symptoms and Non-specific Exposures?<br>Epidemiology Department Seminar, March 11th   | University of Iowa  |
| 2002        | Grand Rounds: Responding to the Threat of Bioterrorism: Lessons Learned to Date (Moderator), April 25 <sup>th</sup>  | Iowa Cable Network presentation for the Center for Public Health Preparedness from Iowa City      |
| 2002        | Presidential Seminar: Role of the College of Public Health in Response to Counter-Bioterrorism Initiative, May 12th  | University of Iowa, College of Medicine   |
| 2003        | University of Iowa Research Week 2003. Gave presentation Biodefense Research Opportunities Through the DoD and CDC, April 4 <sup>th</sup>  | University of Iowa, College of Medicine   |
| 2003        | University of Iowa’s College of Public Health’s Board of Advisor’s meeting, Led discussion “Responding to Emerging Infectious Diseases.” April 8th   | University of Iowa College of Medicine  |
| 2003        | University of Iowa’s Center for Public Preparedness Conference “Revisiting the New Reality: Improving Iowa’s Preparedness Capacity. Moderated discussion. “Understanding Issues Related to Biological Agents and Public Health.” April 9 <sup>th</sup> | University of Iowa Memorial Union   |
| 2003        | University of Iowa’s Center for Public Preparedness Train-the-Trainer Program “Agents of Bioterrorism and their Impact on Public Health” April 10 <sup>th</sup>  | University of Iowa Oakdale Auditorium   |
| 2003        | “Yesterday’s Scourge Is Today’s Most Feared Bioterrorism Threat” WorkSafe Iowa May 2 <sup>nd</sup>   | Des Moines  |
| 2003        | “The Center for Emerging Infectious Diseases: Activities and Opportunities” Epidemiology Department Seminar, September 29  | University of Iowa  |

| <u>Year</u> | <u>Title</u>   | <u>Location</u>  |
|-------------|--|--|
| 2004        | “Zoonotic Influenza and Public Health: Why the Concern?” Epidemiology Department Seminar, March 22   | University of Iowa   |
| 2004        | “Zoonotic Influenza and Public Health: Why the Concern?” Iowa Conference on Emerging Infectious Diseases, April 21   | Iowa Memorial Union, University of Iowa                                      |
| 2004        | “Center for Emerging Infectious Diseases: Research Activities”, Sept 17  | Center for Comparative Genomics Research Club, University of Iowa            |
| 2004        | “Center for Emerging Infectious Diseases: Research Activities”, Oct 15   | Center for Health Effects of Environmental Contamination, University of Iowa |
| 2004        | Seminar for College of Public Health Students students interested in studying abroad, Dec 8  | University of Iowa   |
| 2005        | Seminar for College of Public Health Students students interested in international training, Sept 2  | University of Iowa   |
| 2005        | “Bird Flu – Where is My Tamiflu?” Epidemiology Department Seminar, November 14th   | University of Iowa   |
| 2006        | “Introduction to the Issue: Science and Overview” at the Pandemic Influenza: Human and Animal Impacts Multi-Disciplinary Workshop, January 12 <sup>th</sup> . Drafted workshop pandemic scenario; scenario facilitator | University Hygienic Laboratory, Ames, IA                                     |
| 2006        | “Emerging Infectious Disease Research in the US Midwest” lecture to University of Iowa’s Medicus (pre-medical society) Feb 27 <sup>th</sup> .  | University of Iowa   |
| 2007        | Research Opportunities at the Center for Emerging Infectious Diseases Sept 7 <sup>th</sup>   | Student Research Club, University of Iowa College of Medicine                |

### *Teaching Committees*

| <u>Year</u> | <u>Committee Name</u>   |
|-------------|---|
| 2003-2007   | Global Health Studies Program, Executive Committee, University of Iowa  |
| 2006-7      | MPH Admissions, University of Iowa  |
| 2006-7      | MS Exam. PhD Qualifying Exam Review   |
| 2007-9      | MPH Steering Committee, University of Iowa  |
| 2008-9      | Advisory Board, University of Iowa’s Minority Health and Health Disparities International Training and Research (MHIRT), University of Iowa |
| 2008-9      | Plan of study (epidemiology), University of Iowa  |
| 2008-9      | MS Admissions, University of Iowa   |

### *Formal Study to Improve Teaching Abilities*

| <u>Year</u> | <u>Institution</u> | <u>Course Title</u> |
|-------------|--------------------|---------------------|
| 2001        | University of Iowa | NexTT Workshops     |
| 2002        | University of Iowa | NTITLE 2002         |

|      |   |   |
|------|---|---|
| 2003 | University of Iowa                            | SAS: Data analysis training                                   |
| 2003 | University of Iowa                            | Introduction to Skillsoft                                     |
| 2004 | National Center for Biotechnology Information | A Field Guide to GenBank and NCBI Molecular Biology Resources |

*Local and Regional CME Talks*

| <u>Year</u> | <u>Title</u>  | <u>Location</u>  |
|-------------|---|--|
| 2002        | Keynote speaker and session lecturer “Agents of Bioterrorism and Public Health Response, Part I and Part II”  | 2002 Iowa Pharmacy Association’s Educational Expo, January 18-20, 2002, West Des Moines, Iowa.                         |
| 2002        | Bioterrorism Panel: Physician Effectiveness & Collaborative Preparedness During Large Scale Community Emergency   | ACP-ASIM Iowa Chapter Scientific Meeting<br>University of Iowa, Iowa City, IA<br>May 4 <sup>th</sup>                   |
| 2002        | Agents of Bioterrorism We are Most Likely to Encounter  | Joint Medical Staff Meeting, Allen College, Waterloo, IA<br>May 7 <sup>th</sup>  |
| 2002        | Agents of Bioterrorism We are Most Likely to Encounter  | Visiting Professor Program at Iowa Lutheran Hospital, Des Moines, IA<br>September 12 <sup>th</sup>                     |
| 2002        | Medical Epidemiology: Adventures in Serving Populations   | Presentation to American Medical Student Association, Fall 2002 Region VIII Conference<br>September 28 <sup>th</sup>   |
| 2002        | Adenovirus and human metapneumovirus: emerging human respiratory pathogens  | The Second Biannual All Iowa Virology Symposium<br>University of Iowa<br>October 25 <sup>th</sup> and 26 <sup>th</sup> |
| 2003        | Smallpox: Yesterday's Scourge is Today's Most Feared Bioterrorism Threat  | Seminar<br>College of Veterinary Medicine, Iowa State University<br>Ames, Iowa<br>April 15 <sup>th</sup>               |
| 2003        | Bioterrorism and Public Health Response (Parts I and II)  | Visiting Professor Program at North Iowa Mercy Health Center, Mason City, Iowa, April 16 <sup>th</sup>                 |
| 2003        | “Smallpox: From Past Affliction to Present-Day Threat” Lifelong Learning Series co-sponsored by the UI College of Public Health and the UI Alumni Association May 1 <sup>st</sup> | Northeast Iowa Community College   |
| 2004        | Zoonotic Influenza and Public Health  | Iowa Veterinary Medical Association’s Winter Conference, Scheman Building, Ames, Iowa,<br>February 13 <sup>th</sup>    |
| 2004        | Medical Epidemiology: Adventures in Serving Populations   | Presentation to UI Medical Students,<br>April 15, 2004   |

| <u>Year</u> | <u>Title</u>  | <u>Location</u>   |
|-------------|---|---|
| 2005        | Zoonotic influenza and public health: Why the concern?    | Presentation to medical staff, Broadlawns Medical Center, Des Moines, IA, July 21 <sup>st</sup> |
| 2006        | Avian Influenza and Public Health: Why the Concern?       | Mary Greeley Medical Center, Ames, IA, May 18   |
| 2006        | Zoonotic Influenza & Public Health                        | Visiting Professor Program at North Iowa Mercy Health Center, Mason City, Iowa, November 8th    |
| 2006        | Agents of Bioterrorism & Public Health                    | Visiting Professor Program at North Iowa Mercy Health Center, Mason City, Iowa, November 8th    |
| 2006        | Pandemic Influenza: An Update for Clinicians              | Presentation to the Dubuque County Medical Society, Dubuque, Iowa, November 14th                |
| 2009        | Recent Virulent Adenovirus Outbreaks in the United States | Presentation to Department of Emergency Medicine, University of Iowa Health Care                |

## **Course Materials**

### **University of Iowa**

Epidemiology of Infectious Diseases (173:255) – While at the University of Iowa I designed and directed this 3-semester hour course at the University of Iowa from 2002 to 2009. It served as an introduction to the underlying epidemiological concepts of infection disease including causation, surveillance, prevention, and control. Course materials included readings, lectures, discussions, and an oral presentation. In 2004-006, we video-recorded each lecture such that students might make up missed lectures.

Diagnostic Microbiology for Epidemiologists (173:155) – While at the University of Iowa with the help of adjunct faculty member, I designed this 3-semester hour course that introduces public health students to microbiological culture, antigen detection, immunological, and molecular amplification laboratory techniques for bacteria, viruses, parasites, and fungi. Course materials include readings, lectures, laboratory demonstrations, and laboratory exercises. I served as the course director the first year (spring 04) and passed the leadership to another faculty member in 2005. I served as a lecturer until 2008.

Zoonotic Diseases (173:157) – While at the University of Iowa I designed and directed this 2-semester hour course each summer from 2005 to 2009. The course introduced public health students to the epidemiology and control of zoonotic diseases. It involved considerable field and laboratory work (e.g. mosquito & tick collection and identification). Course materials include readings, lectures, field studies, and laboratory exercises.

### **Ohio State University**

Applied Infectious Disease Epidemiology (173:159) – I designed and taught this 5-day course at Ohio State University during the summers of 2005 to 2009. The 2 semester hour course included a practical overview of host factors, environmental factors, and microbiological factors that influence this dynamic field of study. Through lectures and exercises, students were introduced to infectious disease surveillance, diagnostic tools, outbreak investigations, vaccine trials, public health interventions, biodefense, emerging infectious diseases, and analytical approaches as they

pertain to infectious disease prevention and control. In 2008-9 we introduced this course to the summer program at the University of Iowa. In 2010 I began teaching this course at the University of Florida. This course is a requirement of for students taking the Certificate in Emerging Infectious Disease Research training.

### **Iuliu Moldovan Institute of Public Health in Cluj-Napoca**

Respiratory Disease Epidemiology and Control: A Workshop for Epidemiologists and Microbiologists – In the fall of 2005, the Director of the Iuliu Moldovan Institute of Public Health in Cluj-Napoca, Romania invited me to develop and teach a 2-day workshop to Romanian epidemiologists and clinical microbiologists. The workshop discussed the epidemiology, surveillance, prevention, and control of frequent viral and bacterial causes of respiratory infections. The course consists of 16 didactic and laboratory sessions.

### **University of Florida**

An Introduction to Entomology, Zoonotic Diseases, and Food Safety (PHC 6515) - I designed and directed this 2 credit course at the University of Florida from 2010-2014. The course used classroom lectures, field exercises, group discussions, readings, and examinations to teach the principals. This course is a requirement of for students taking the Certificate in Emerging Infectious Disease Research training and later the Certificate in One Health program, as well as the Masters (One Health Concentration) and PhD (One Health concentration).

An Introduction to One Health Problem Solving (PHC 6006) – I designed and directed this 1 credit course at the University of Florida during 2013 and 2014. The course introduced the graduate student to the value of employing an interdisciplinary one health approach to complex complex public health problems. The course is required for the Certificate in One Health program.

### **Duke University**

One Health: An Introduction to Entomology, Zoonotic Diseases, and Food Safety (GLHLTH 735) - I designed and direct this 3 credit course at Duke University. First classes will occur in May 2015. The course used classroom lectures, field exercises, group discussions, readings, and examinations to teach the principals.

One Health: An Introduction to the One Health Approach (GLHLTH 731) – I designed and direct this 1 credit course at Duke University. First classes will occur in May 2015. The course introduced the graduate student to the value of employing an interdisciplinary one health approach to complex complex public health problems.

One Health: Public Health Laboratory Techniques (GLHLTH 739 - 1 credit hr). This 5-day afternoon course will introduce students to public health laboratory methods. A special emphasis will be placed upon respiratory virus work, especially influenza. I have found a consultant to teach this course.

One Health: An Introduction to Environmental Health (GLHLTH 732) - 3 credit hrs). This 6–day concentrated course will examine sources, routes, media, and health outcomes associated with biological, chemical, and physical agents in the environment. Effects of agents on disease, water quality, air quality, food safety, and land resources are reviewed, as well as legal frameworks, policies, and practices associated with environmental health and intended to improve public health. I have found a consultant to teach this course.