

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
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  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
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  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.
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  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.
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  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
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  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
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  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
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  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
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  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
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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
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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
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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
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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, McKeehan 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, McKeehan 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.
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  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

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



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

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

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

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

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

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

Title Source P.I.	% Effort % Support	Direct Funds Period of Funding
US Dept of State 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 (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 College of Public Health and Health Professions University of Florida, Gainesville, FL
Professor	2010-14	Department of Infectious Diseases and Pathology, College of Veterinary Medicine, University of Florida, Gainesville, FL
Director	2010-14	Global Pathogens Laboratory, Emerging Pathogens Institute, University of Florida
Director	2014	One Health Center of Excellence for Research and 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 26th
2013	One Health: A Promising Approach to Difficult Public Health Problems	Florida International University, May 28th
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 7th
2013	One Health: A New Professional Imperative	Sun Yat-sen University, Guangzhou, China, October 8th
2013	One Health: A Promising Approach to Difficult Public Health Problems	Guangdong Provincial Center for Disease Control, Guangzhou, China, October 10th
2013	Influenza: An Introduction to Epidemiological Research	Sun Yat-sen University, Guangzhou, China, October 11th
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 18th
2013	One Health: A Promising Approach to Difficult Public Health Problems	Guangzhou Municipal CDC, Guangzhou, China, October 21st
2013	One Health: A Promising Approach to Difficult Public Health Problems	Guangzhou Center for Animal Health Inspection, Guangzhou, China, October 22nd
2013	Advice for Careers in Research	Sun Yat-sen University, Guangzhou, China, October 26th
2013	One Health: A Promising Approach to Difficult Public Health Problems	South China Agricultural University, Guangzhou, China, October 28th
2013	Advice for Careers in Research	South China Agricultural University, Guangzhou, China, October 29th
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 3rd
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 16th

<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>
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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
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## 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, Practicum committee
2004	Stacy Holzbauer	MPH	Arranged practicum in Peru, 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 Practicum committee
2005	Ernesto Ortiz	MPH	Arranged practicum in Peru
2005	Lindsay Schulz	MPH	Arranged practicum in Egypt Practicum preceptor / committee
2005	Sam Messer	MPH	Arranged practicum at USAMRIID
2005	Ashley Miller	MPH	Arranged practicum in Egypt 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 Clotey	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? 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 University of Iowa, Iowa City, IA May 4 <sup>th</sup>
2002	Agents of Bioterrorism We are Most Likely to Encounter	Joint Medical Staff Meeting, Allen College, Waterloo, IA 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 September 12 <sup>th</sup>
2002	Medical Epidemiology: Adventures in Serving Populations	Presentation to American Medical Student Association, Fall 2002 Region VIII Conference September 28 <sup>th</sup>
2002	Adenovirus and human metapneumovirus: emerging human respiratory pathogens	The Second Biannual All Iowa Virology Symposium University of Iowa October 25 <sup>th</sup> and 26 <sup>th</sup>
2003	Smallpox: Yesterday's Scourge is Today's Most Feared Bioterrorism Threat	Seminar College of Veterinary Medicine, Iowa State University Ames, Iowa 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, February 13 <sup>th</sup>
2004	Medical Epidemiology: Adventures in Serving Populations	Presentation to UI Medical Students, 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.