DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

for the Permanent Record and the

Appointments and Promotions Committee

Date Prepared: December 13, 2020

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

**Primary academic appointment**: Professor (joined Duke on August 1, 2014)

**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 (2015-present) and Global Health Institute (2019-present) Duke-NUS School of Medicine, Singapore

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

Professor, Department of Epidemiology, University of Iowa College of Public Health (2010-present)

Professor, School of Health and Sports Sciences, University of the Sunshine Coast, Queensland, Australia (2008-present)

Professor, Preventive Medicine and Biostatistics, Uniformed Services University of Health Sciences, Washington, DC (2000-present)

**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

**Specialty certification(s):** Public Health & General Preventive Medicine (1989)

**Place:** Alton, Illinois, USA

**Citizen of**: United States of America

**Education:**

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| --- | --- | --- | --- |
| 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 Med Virol 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 1-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, Escudero 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. Am 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 Medicine 1991;82:23-25.
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. Mil 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:8443330
12. Rodier GR, Couzineau B, **Gray GC**, Omar CS, Fox E, Bouloumie J, Watts D. Trends of human immunodeficiency virus type-1 infection in female prostitutes and males diagnosed with a sexually transmitted disease in Djibouti, East Africa. Am JTrop Med Hyg 1993;48:682-686. 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. Am J Public 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, Gravier P. Clinical features associated with HIV-1 infection in adult patients diagnosed with tuberculosis in Djibouti, Horn of Africa. Trans R 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. Am 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. Mil Med 1994;159:292-294. PMID:20058422
18. **Gray GC**, Rodier GR. Prevaccination screening for citizens of the United States living abroad who are at risk for hepatitis A.Clin Infect Dis 1994;19:225-226. 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, Hawkins R, Malone JD. The risk of *Heliobacter 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. PMID:8843224
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, DeFraites RF, **Gray GC**, Goldenbaum MB, Wishik SM. The risk of birth defects among children of Persian Gulf War veterans. N Engl 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. Mil 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**, DeFraites RF. The authors reply to 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 LD, Karcher JA, McDonough C, Hiliopoulous KM, Schlangen KM, **Gray GC**. Goldenhar syndrome among infants born in military hospitals to Gulf War veterans.Teratology 1997;56:244-251. PMID:9408975
33. **Gray GC**, McPhate DC, Leinonen M, Cassell GH, Deperalta EP, Putnam SD, 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 EF, Albright KL. Risk factors for primary pulmonary coccidioidomycosis hospitalizations among United States Navy and Marine Corps personnel, 1981 to 1994. Am J Trop Med Hyg 1998;58:309-312. PMID:9546408
35. Knoke JD, **Gray GC**. Hospitalizations for unexplained illnesses among U.S. veterans of the Persian Gulf War. Emerg Infect Dis 1998;4:211-219. PMC2640148
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 U.S. Marine Corps trainees - reply. Clin Infect Dis 1998;27:231-232. Letter.
38. **Gray GC**, Knoke JD, Berg SW, Wignall FS, Barrett-Connor E. Counterpoint: Responding to suppositions and misunderstandings. Am J Epidemiol 1998;148:328-333. PMID:9717875
39. Cowan DN, **Gray GC**, DeFraites RF. Counterpoint: Responding to inadequate critique of birth defects paper. Am 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? Am JEpidemiol 1998;148:343-349. PMID:9717877
41. Knoke JD, **Gray GC**. Hospitalizations after the Gulf War - Reply to K.M. Leisure. Emerg Infect Dis 1998;4:709.
42. Knoke JD, **Gray GC**, Garland FC. Lack of association of testicular cancer with Persian Gulf War service. Epidemiology 1998;9:648-653.
43. **Gray GC**, Callahan JD, Hawksworth AW, Fisher CA, Gaydos JC. Respiratory diseases among U.S. military personnel: strategies to counter emerging threats.Emerg Infect Dis 1999;5:379-387. PMC:2640764
44. **Gray GC**, Kaiser KS, Hawksworth AW, Watson HL. No serological evidence of an association found between Gulf War service and *Mycoplasma fermentans* infection. Am 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 U.S. Navy Gulf War veterans. Am 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. Am J Epidemiol 1999;150:532-540. PMID:10472954
47. **Gray GC**, Kassira EN, Rodier GR, Myers MC, Calamaio CA, Gregory M, NagiMA, Kamal K, Botros BA, Soliman AK, Hassan NF, Gregory R, Arunkumar BK, Cope A, Hyams KC. Remote village survey for agents causing hepatosplenic disease in the Republic of Yemen. Trop Doc 1999;29:212-219. PMID:10578634
48. Dlugosz LJ, Hocter WJ, Kaiser KS, Knoke JD, Heller JM, Hamid NA, Reed RJ, Kendler KS, **Gray GC**. Risk factors for mental disorder hospitalization after the Persian Gulf War: US Armed Forces, June 1, 199-September 30, 1993.J ClinEpidemiol 1999;52:1267-1278. PMID:10580791
49. Hendrix RM, Lindner JL, Benton FR, Monteith SC, Tushscherer MA, **Gray GC**, Gaydos JC. Large, persistent epidemic of adenovirus type 4-associated acute respiratory disease in U.S. army trainees. Emerg Infect Dis 1999;5:798-801. PMC:2640815
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.Am 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, Mil Med 2000;165:165-168. 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? Am J Epidemiol 2000;152:379-388. 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 – U.S. Department of Defense, 1998-2000. MMWR 2000;49:341-345. 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. Am J Epidemiol2000;151:1053-1059. PMID:10873128
55. Ryan M, **Gray G**, Hawksworth A, Malasig M, Hudspeth M, Poddar S. The Naval Health Research Center Respiratory Disease Laboratory, Mil Med 2000;165:32-34. 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 MicrobiolInfect 2000;6:2-8. PMID:11168029
57. Bolton, JC, Gaydos JC, Barker, T, Barson, JV, Gackstetter, GC, **Gray, GC**, Huff, WB, Lohman, Kl, 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 Group B: A Department of Defense directory of public health laboratory services for infectious agents and public health laboratory system, 22-23 September, 1999. Mil Med 2000;165:66-69. PMID:10920644
58. McDonough C, **Gray GC**. Risk factors for sarcoidosis hospitalization among U.S. Navy and Marine Corps personnel, 1981 to 1995, Mil Med 2000;8:630-632. PMID:10957860
59. Araneta MRG, Destiche DA, Schlangen KM, Merz RD, Forrester MB, **Gray GC**. Birth defects prevalence among infants of Persian Gulf War veterans born in Hawaii, 1989-1993. Teratology 2000;62:195-204. PMID:10992261
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62. Bush RA, Smith TC, Honner WK, **Gray GC**. Active surveillance of birth defects among U.S. Department of Defense beneficiaries: a feasibility study. Mil Med 2001;166:179-183. 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 strain and a patient isolate. J Med Microbiol 2001;50:571-574. PMID:11393295
64. Earhart KC, Beadle C, Miller LK, Pruss M, **Gray GC**, Ledbetter EK, Regner HL, Treanor JJ, Wallace MR. Outbreak of influenza in highly vaccinated crew of U.S. Navy ship. Emerg Infect Dis 2001;7:463-465. PMC2631796
65. Ryan MAK, **Gray GC**, Malasig MD, Erdman DD, Binn LN, Asher LV, Kehl SC, Dunn BE, Zablocki CJ, Yund AJ. Two fatal cases of adenovirus-related illness in previously healthy young adults- Illinois, 2000. MMWR 2001;50:553-555. PMID:11456329
66. Malasig MD, Goswami PR, Crawford-Miksza LK, Schnurr DP, **Gray GC**. Simplified microneutralization test for serotyping adenovirus isolates. J Clin Microbiol 2001;39:2984-2986. PMC88276
67. **Gray GC** ,Blankenship TL, Gackstetter G. History of respiratory illness at the U.S. Naval Academy. Mil Med 2001;166:581-586. PMID:11469028
68. Guarino P, Peduzzi P, Donta ST, Engel CC, Clauw DJ, Williams DA, Skinner JS, Barkhuizen A, Kazis LE, Feussner JR. 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;22:310-332. PMID:11384792
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72. Putnam SD, **Gray GC**, Biendenbach And DL, Jones RN. Response. Clin Microbiol Infect 2001;7:397-398, ltr.
73. **Gray GC**, Schultz RG, Gackstetter GD, McKeehan JA, Aldridge KV, Hudspeth MK, Malasig MD, Fuller JM, McBride WZ. Prospective study of respiratory infections at the U.S. Naval Academy. Mil Med 2001;166:759-763. PMID:11569436
74. Ryan MA, Pershyn-Kisor MA, Honner WK, Smith TC, Reed RJ, **Gray GC**. The Department of Defense Birth Defects Registry: overview of a new surveillance system. Teratology 2001;64:S26-29. PMID:11745841
75. Hyams KC, Smith TC, Riddle J, Trump D, **Gray GC**. The risk of hepatitis among U.S. military personnel: a study of hospitalization records from 1974 to 1999. Mil Med 2001;166:862-65.
76. McKeehan JA, Ryan MA, **Gray GC**, and the Pneumococcal Vaccine Study Team. Pneumococcal vaccine to counter emerging infectious disease threat in the military. Mil Med 2001;166:1087-1090. PMID:11778410
77. Hyams KC, Barrett DH, Duque D,Engel CC Jr, Friedl K, **Gray C**, Hogan B, Kaforski G, Murphy F, North R, Riddle J, Ryan MA, Trump DH, Wells J. The Recruit assessment Program: a program to collect comprehensive baseline health data from U.S. military personnel. Mil Med 2002;167:44-47. PMID:11799812
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79. Erdman DD, Xu W, Gerber SI, **Gray GC**, Schnurr D, Kajon AE, Anderson LJ. Molecular epidemiology of adenovirus type 7 in the United States,1996-2000. Emerg Infect Dis 2002;8:269-277. PMC2732469
80. Smith TC, Heller JM, Hooper TI, Gackstetter GD, **Gray GC**. Are Gulf War veterans experiencing illness due to exposure to smoke from Kuwaiti oil well fires? Examination of Department of Defense hospitalization data. Am J Epidemiol. 2002;155:908-917. PMID:11994230
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83. Smith TC, Smith B, Ryan MA, **Gray GC**, Hooper TI, Heller JM, Dalager NA, Kang HK, Gackstetter GD. Ten Years and 100,000 participants later: occupational and other factors influencing participation in U.S. Gulf War health registries. J Occup Environ Med 2002;44:758-768. PMID:12185797
84. Prevention of invasive group A streptococcal disease among household contacts of case patients and among postpartum and postsurgical patients: recommendations from the Centers for Disease Control and Prevention. Clin Infect Dis 2002;35:950-959. PMID:12355382
85. Smith B, Ryan MA, **Gray GC**, Polonshy JM, Trump DH. Tuberculosis infection among young adults enlisting in the United States Navy. Int J Epidemiol2002;31:934-939. PMID:12435763
86. Kang HK, Bullman TA, MacFarlane GJ, **Gray GC**. Mortality among US and UK veterans of the Persian Gulf War: A review. J Occup Environ Med 2002;59:794-799. PMC1763601
87. Sanchez JL, Craig SC, Kolavic S, Hastings D, Alsip BJ, **Gray GC**, Hudspeth MK, Ryan MA. An outbreak of pneumococcal pneumonia among military personnel at high risk: control by low-dose azithromycin postexposure chemoprophylaxis. Mil Med 2003;168;1-6. PMID:12546236
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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, VA Coorperative Study #470 Study Group. Cognitive behavioral therapy and aerobic exercise for Gulf War veterans’ illnesses: a randomized controlled trial. JAMA 2003;289:1396-1404. PMID:12636462
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91. Halsell JS, Riddle JR, Atwood JE, Gardner P, Shope R, Poland GA, **Gray GC**, Ostroff S, Eckart RE, Gibson RL, Grabenstein JD, Arness MD, Tornberg DN, Department of Defense Smallpox Vaccination Clinical Evaluation Team. Post-vaccinial myocarditis: clinical sequela after vaccination with vaccinia virus. JAMA 2003;289:3283-89.
92. Araneta MR, 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 Res a Clin Mol Teratol 2003;67:246-260. PMID:12854660
93. Crum NF, Wallace MR, Lamb CR, Conlin AS, Amundson DE, Olson PE, Ryan MA, Robinson TJ, **Gray GC**, Earhart KC*.* Halting a pneumococcal pneumonia outbreak among United State Marine Corps trainees. Am J Prev Med 2003;25:107-111. PMID:12880877
94. Smith TC, **Gray GC**, Weir CJ, Heller JM, Ryan MA. Gulf War veterans and Iraqi nerve agents at Khamisiyah: postwar hospitalization data revisited. Am J Epidemiol 2003, 158:457-467. PMID:12936901
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99. Smith TC, Jimenez DL, Smith B, **Gray GC**, Hooper TI, Gackstetter GD, Heller JM, Dalager NA, Kang HK, Hyams KC, Ryan MA. The postwar hospitalization experience of Gulf War veterans participating in U.S. health registries. J Occup Environ Med 2004; 46:386-397. PMID:15076657
100. Guchev IA, **Gray GC**, Klochkov OI. Two regimens of azithromycin prophylaxis against community-acquired respiratory and skin/soft-tissue infections among military trainees. Clin Infect Dis 2004;38:1095-1101. PMID:15095213
101. Lim ML, Gabele SE, Wallace MR, **Gray GC**, Earhart KC. Upper respiratory tract infections (URI). Mil Med 2004;169:xv-xvi. PMID:15132241
102. Smith TC, Corbeil TE; Ryan MA, Heller JM, **Gray GC**. In-Theater hospitalizations of U.S. and allied personnel during the 1991 Gulf War. Am 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? Am J Prev Med 2004;26:443-452. PMID:15165662
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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

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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, Breysse 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.

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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.

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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.

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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

234. Ma MJ, Wang GL, Anderson BD, Bi ZQ, Wang XJ, Qian YH, Wang CX, Zhao T, Wu MN, Chen SH, Song SX, Lednicky JA, Cao WC, **Gray GC**, Evidence for Cross-species Influenza A Virus Transmission within Swine Farms, China, ID Week, San Diego, CA, October 4-8, 2017.

235. Tyler E. Warkentien, Tham Nguyen, Khanh C. Nguyen, Yen Le Hai, Benjamin Anderson, **Gregory C. Gray**. Asia Surveillance for Acute Novel Respiratory Infections. The 66th Annual meeting 2017 of the American Society of Tropical Medicine and Hygiene, Baltimore, MD, November 8-9, 2017.

236. Kathryn Hogan, Lhagvatseren Sukhbaatar, Boldbaatar Bazartseren, Benjamin Anderson, Laura Pulscher, Luke Cadddell, **Gregory C. Gray**, & Michael E. von Fricken “Discrepancies between self-reported tick bites and evidence of tick0borne disease among Nomadic Mongolian Herders” Poster presentation at the 71st Annual meeting of the Virginia Mosquito Control Association, Portsmouth Virginia, Jan 2018.

1. Fieldhouse JK, Toh TH, Lim WH, Ting J, Ha SJ, Hii KC, Kong CI, Wong TM, Wong SC, Warkentien TE, Gray GC. Surveillance for Respiratory Syncytial Virus and Parainfluenza Virus among Patients Hospitalized with Pneumonia in Sarawak, Malaysia. International Conference on Emerging Infectious Diseases in Atlanta, Georgia, USA, August 26-29, 2018.
2. Borkenhagen LK, Mallinson KA, Tsao RW, Ha SJ, Lim WH, Toh TH, Anderson BD, Fieldhouse JK, Philo SE, Chong KS, Lindsley WG, Ramirez A, Lowe JF, Coleman KK, & Gray GC. Surveillance for Respiratory and Diarrheal Pathogens at the Human-Pig Interface in Sarawak, Malaysia. International Conference on Emerging Infectious Diseases in Atlanta, Georgia, USA, August 26-29, 2018.
3. Bailey ES, Lobaugh-Jin E, Smith B, Henshaw N, and Gray GC. Molecular Epidemiology of an Outbreak of Human Parainfluenza Virus 3 Among Oncology. International Conference on Emerging Infectious Diseases in Atlanta, Georgia, USA, August 26-29, 2018.
4. Anderson BD, Zhang D, Yondon M, Gray GC. Propagation of Human Adenovirus Type 1 Isolates in a Feline Cell Line. International Conference on Emerging Infectious Diseases in Atlanta, Georgia, USA, August 26-29, 2018.
5. Vuong N. Bui, Tham T. Nguyen, Hung Nguyen-Viet, Anh N. Bui, Katie McCallion, Hu-Suk Lee, Son T. Than, Kristen K. Coleman2 and Gregory C. Gray. Bioaerosol Sampling to Detect Avian Influenza Virus in  Hanoi’s Largest Live Poultry Market. 15th International Symposium of Veterinary Epidemiology and Economics (ISVEE 15), Chiang Mai, Thailand, 12-16 November 2018.
6. Wang X, Bailey ES, Xiang H, Nguyen TT and Gray GC. Surveillance and Detection of Influenza Viruses in a Live Poultry Market in Kunshan, China. International Aerosol Conference in St. Louis, Missouri, USA, September 2-7, 2018.
7. Barnes, AN, Baasandagva, U, Daavasuren, A, Gonchigoo, B, Gray, GC. Zoonotic Threats of Mongolian Herding Households: A One Health Approach to Identifying Risk Factors and Disease Perceptions. 67th Annual meeting of the American Society of Tropical Medicine and Hygiene in New Orleans, LA, USA Oct 28 – Nov 1, 2018.
8. Sack, A, Oladunni, FS, Gonchigoo,B, Chambers, TM, Gray, GC. Zoonotic Diseases from Horses: A Systematic Review. Translational Science 2019 in Washington SC, USA March 5-8, 2019.
9. Kajon AE, Lamson D, Lu X, Balansay M, Lassek-Nesselquist E, Gray GC, Myers C, St. George K. Emergence and dispersion of genomic variant 7d in the United States: a retrospective examination HAdV-7 strains circulating in the country since 1992 by whole genome sequencing and analysis. 14th International Adenovirus Meeting. Toledo, Spain, May 26th - 30th, 2020.
10. Tung DD, Coleman, KK, Bui VN, Son TT, Nguyen-Viet H, Robie ER, Phu PH, Gray GC. Avian Influenza Virus Surveillance in Live Bird Markets, Northern Vietnam, World One Health Congress, Virtual Edition 2020, October - 3 November 2020
11. Binder RA, Alarja NA, Robie ER, Kochek KE, Xiu L, Rocha-Melogno L, Abdelgadir A, Goli SV, Farrell AS, Coleman KK, Turner AL, Lautredou CC, Lednicky JA, Lee MJ, Polage CR, Simmons RA, Deshusses MA, Anderson BD, Gray GC. Environmental and Aerosolized SARS-CoV-2 Among Hospitalized COVID-19 Patients. The 69th Annual Meeting of the American Society of Tropical Medicine and Hygiene, November 15-19, 2020.

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](http://www.healthpolicy.ro/index.php) 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, Babes-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 2nd time they have won one of these prestigious grants. |
| Ding Ying Guest Professor | 2014-17 | South China Agricultural University, Guangzho, P.R. China. Visiting Professorship (Nov 7, 2014-Nov 6, 2017) |
| Member | 2018-20 | Committee on Enhancing Global Health Security through International Biosecurity and Health Engagement Programs, National Academies of Sciences, Engineering, & Medicine |

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 *Clinical Infectious Diseases*. |
| 1994 | Awarded the Albert Leary Gihon Medal for outstanding accomplishments in Navy Preventive Medicine |
| 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 2nd 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, **Gray GC**, 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 |
| 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 |
| 2015 | Scientific Committee, third International Symposium on Neglected Influenza Viruses, April 15-17, Athens, Georgia |
| 2016 | Organized 5th International Symposium on One Health Research, Mongolia, June 14-15th, 100+ participants, 9 countries |
| 2017 | Duke Medicine’s Excellence in Education Award (Division of Infectious Diseases) |
| 2018 | Duke University’s Global Health Graduate Professor of the Year, 2017-2018 |
| 2019 | American Veterinary Epidemiological Society Honorary Diplomate Award for 2019 |

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

|  |  |
| --- | --- |
| Year | Organizations and participation |
| 1986-2004, 2014- | 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, 2016-18 | Board member, International Society for Influenza and Other Respiratory Virus Diseases |
| 2008-14 | Associate Editor, *Journal of Infection and Public Health* |
| 2008-11 | Editorial Board, *Journal of Clinical Virology* |
| ~2011-13 | Member, Committee on the Initial Assessment of Readjustment Needs of Military Personnel, Veterans, and their Families, Institute of Medicine |
| 2010-14 | International Advisory Committee, *Journal of Military and Veterans’ Health* |
| 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 |
| 2011-18 | Editorial Board, journal *Influenza and Other Respiratory Viruses* |
| 2014-18 | Editorial Board, journal *Military Medical Research (Beijing, China)* |
| 2015- | Editorial Board, journal *Tropical Diseases, Travel Medicine and Vaccines* |

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 2005 | Intro to US Health Care Sys/174:102 | 3 | 45 | Speaker | 3% |
| 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 & 17th)** | 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 2009 | Applied Infectious Disease Epidemiology (173:159) | 2 | 44 | Director | 100% |
| 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, and Food Safety | 3 | 45 | Director | 40% |
| 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, 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, Zoonotic Diseases, and Food Safety | 3 | 13 | Director | 40% |
| October 8th, 2015 | GLHLTH 701: Global Health Zoonotic Influenza Disease Threats: Employing the One Health Approach  Duke University, Durham, NC, | 3 | 35 | Speaker | 3% |
| January 26th, 2016 | ENV 537: Environmental Health. The One Health Approach to Wicked Public Health Problems | 3 | 30 | Speaker | 3% |
| Dec 1, 2016 | GLHLTH 701: Global Health Zoonotic Influenza, Duke University, Durham, NC | 3 | 35 | Speaker | 3% |
| Dec 12, 2017 | Health Policy and Global Health  (short course for Duke 2nd year medical students) | na | 120 | Speaker | 3% |
| February 8, 2016 | ENV 537: Environmental Health. One Health: a promising approach to difficult public health problems | 3 | 30 | Speaker | 3% |
| February 8, 2018 | ENV 537: Environmental Health. One Health: a promising approach to difficult public health problems | 3 | 30 | Speaker | 3% |
| March 28, 2019 | ENV 537: Environmental Health. One Health: a promising approach to difficult public health problems | 3 | 30 | Speaker | 3% |
| September 30th, 2019 | ENV 774/GLHLTH 771: One Health Intellectual Exchange Group Course: Pigs, Poultry, and Public Health: Anticipating Future Pandemic Threats | 2-3 | 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 |
| Weekly Oral Azithromycin and Benzathine Penicillin G as Agents to Prevent Respiratory DiseaseNavy Bureau of Medicine & SurgeryRole: PI |  | $110,000  5/25/94-9/30/95 |
| Risk Factors for Chorioaminion 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 *Streptococcus pyogenes* 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 |
| 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 *B. pertussis* 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  Role: PI |  | $801,476  1/17/00-7/17/02 |
| 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 |
| **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 |
| 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 |
| Prospective Study of US Animal Agricultural Workers  NIH / NIAID R01 AI0068803 (ARRA)  Role: PI $242,000 | 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 Research in Rural Haiti  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/Forgarty 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  US Dept of State  Role: PI | 4%  4% | $334,823 annual direct  4/1/13- 6/30/2014 |
| **Too many to continue to record** |  |  |

ACTIVE

Duke University

5D43TW009373-05 (Gray Duke Univ) 09/27/2013 - 08/31/2019 0.60 calendar months

National Institutes of Health/Fogarty International $314,680

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

In this training program establishes an US-Mongolia multidisciplinary partnership to address zoonotic disease burdens in Mongolia.

5R01AI108993-04 (Gray Duke Univ) 08/15/2014 - 07/31/2019 4.32 calendar months

National Institutes of Health $309,743

**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.

S-ISNCT-16-CA-1024 (Gray Duke Univ) 9/01/2016 - 12/31/2019 1.80 calendar months

US Department of State $169,986

**Detecting Novel Respiratory Viruses that Emerge from the Human-Animal Interface - Iraq**

The goal of this project is to increase epidemiological and laboratory capacity for detecting novel respiratory viruses (coronaviruses, adenoviruses, influenza viruses, and enteroviruses) that emerge from the human-animal interface in Iraq.

S-ISNCT-18-CA-0015 (Gray PI) 10/01/2017 - 12/31/2018 1.08 calendar months

US Department of State $340,532

**Duke One Health Training Program**

The One Health Training Program will provide training which is directed at 1) Introducing the concept of One Health problem solving which combines public health, veterinary health, and environmental health training 2) Strengthening global surveillance and 3) Considering interventions to reduce infectious disease public health threats. The course work involves training in One Health, epidemiology, and virology (particularly influenza), as well as achieving better collaborations between U.S. governmental agencies and various ministries of health or agriculture.

S-ISNCT-18-CA-0015 (Gray PI) 10/01/2017 - 12/31/2019 1.20 calendar months

US Department of State $184,286

**Detecting Novel Respiratory Viruses that Emerge from the Human-Animal Interface - Pakistan**

The goal of this project is to increase epidemiological and laboratory capacity for detecting novel respiratory viruses (coronaviruses, adenoviruses, influenza viruses, and enteroviruses) that emerge from the human-animal interface in Pakistan.

S-ISNCT-18-CA-0015 (Gray PI) 10/01/2017 - 12/31/2019 0.72 calendar months

US Department of State $169,360

**Detecting Novel Respiratory Viruses that Emerge from the Human-Animal Interface - Philippines**

The goal of this project is to increase epidemiological and laboratory capacity for detecting novel respiratory viruses (coronaviruses, adenoviruses, influenza viruses, and enteroviruses) that emerge from the human-animal interface in Philippines.

N/A (Gray PI) 3/05/2018 – 3/04/2019 0.12 calendar months

Kirkland Biosciences, Inc. $25,058

**Detection of Dengue, Chikungunya and Zika Viruses by a New Multiplexing Platform among Patients in Sarawak, Malaysia**

The goal of this cross-sectional, 12-month pilot study aims to examine approximately 150 admissions to Sibu and Kapit Hospitals in Sarawak, Malaysia with dengue-like febrile illnesses for molecular indicators of the arboviruses dengue, chikungunya, and Zika. Specifically, subjects' blood, urine, and oral fluid samples will be examined with molecular assays for these viruses. We will also examine demographic information, medical data, and environmental and behavioral risk factors for statistical association with diagnoses of these viruses. A secondary aim of this study will be to validate the results of the novel T-Cor 8 Real-Time PCR Thermocycler (Tetracore Inc., USA), using the CDC-approved gold standard molecular testing as comparison.

N/A 7/1/2018-6/30/2019 0.0 calendar months

Duke University/DGHI $25,000

**Using Swine Fecal Slurry Samples to Detect Novel Pathogens: A New Research Partnership Between Duke University and Duke Kunshan University**

In this proposal we will examine fecal slurry from both North Carolina and near Duke Kunshan University for nucleic acid representing novel swine pathogens. This novel noninvasive approach to emerging pathogen surveillance holds promise for helping reduce human and animal disease threats.

Duke-NUS Medical School

W911QY-14-C-0043 (Gray Duke-NUS) 04/20/2016 - 1/24/2019 0 calendar months

Navy Medical Research Center-Asia $238,000

**Etiology of Acute Respiratory Infections in Vietnamese Military and Civilian Populations**

To develop a sustainable sentinel surveillance system that strengthens the ability in Vietnam to early detect emerging infectious diseases that have a potential for epidemic spread, and to quickly characterize their microbiological, clinical, and epidemiologic features, providing information of use in their control and containment.

RL2016-141 (Gray Duke-NUS) 4/14/2016 - 3/31/2019 0 calendar months

Singhealth Foundation Grant (Subaward) SGD$117,500

**Using Bioaerosol Sampling Method to identify Infectious Airborne Viruses in clinical settings**

The goal of this project is to use a proprietary method of bioaerosol sampling to identify infectious airborne viruses from Singapore’s clinical settings and compare the detection with the routine patient swab sampling method to prevent the spread of respiratory viruses within patient areas should they threaten Singapore’s healthcare system.

**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 |
| 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](http://www.healthpolicy.ro/index.php) at Babeş-Bolyai University in Cluj-Napoca, Romania. |
| 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 | Established a One Health Center of Excellence for Research and Training |

Invited Presentations

| Year | Title | Organization |
| --- | --- | --- |
| 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 | 31st Navy Occupational Health and Preventive Medicine Workshop |
| 1989 | Risk factors for varicella in the Navy | 31st 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 | 32nd Navy Occupational Health and Preventive Medicine Workshop |
| 1990 | Varicella (chickenpox) among recruits | 32nd Navy Occupational Health and Preventive Medicine Workshop |
| 1990 | Equipping the epidemiologist: Optical scanners, film recorders, and statistical software | 32nd Navy Occupational Health and Preventive Medicine Workshop |
| 1990 | The failure of benzathine penicillin G to prevent streptococcal infection among recruits | 32nd Navy Occupational Health and Preventive Medicine Workshop |
| 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 | 34th 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 | 36th Navy Occupational and Preventive Medicine Workshop |
| 1995 | Respiratory disease surveillance: Camp Pendleton, CA | 36th 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 |
| 1996 | Recent epidemiologic studies regarding varicella and respiratory pathogens | 37th 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 | 3rd 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 | 39th Annual Navy Occupational and Preventive Medicine Workshop |
| 1998 | DoD respiratory disease surveillance | 39th Annual Navy Occupational and Preventive Medicine Workshop |
| 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? | NMCSD 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 | 2nd 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 |
| 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 | 41st 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 |
| 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 National Salud (INS), Lima, Peru, June 23rd, 2003 |
| 2003 | Adenovirus and Human Metapneumovirus: Emerging Pathogens | Seminar to Peru’s Instituto National Salud (INS), Lima, Peru, June 23rd, 2003 |
| 2003 | Agents of Bioterrorism and Public Health Response | Broadlawns Medical Center, Des Moines, October 2nd, 2003 |
| 2003 | Emerging Infectious Diseases: New Vaccine Strategies Needed | Scientific Seminar, Becton Dickenson, Research Triangle, North Carolina, October 17th, 2003 |
| 2003 | Adenovirus an Emerging Pathogens | Molecular Microbiology and Immunology Dept - Johns Hopkins University, December 4th, 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, Februrary 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? | 55th 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, Februrary 3rd |
| 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 |
| 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 28th-29th |
| 2006 | Avian Influenza and Public Health: How Ready Are We? | The 8th 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 14th 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 13th. |
| 2006 | Adenovirus as an Emerging Pathogen | 12th Annual ID Symposium, St. Francis Health Center, Topeka, KA, December 7th |
| 2006 | Emerging Infections | 12th 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 21st |
| 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 2nd |
| 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 |
| 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 | Elluminate 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 | 2nd Avian & Pandemic Influenza Training Workshop, GCC Centre for Infection Control & Saudi Society for Public Health, Riyadh, Saudi Arabia, Jan 5th |
| 2008 | Zoonotic influenza: Agricultural workers at high risk of infection | 2nd 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 |
| 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 97th Annual Meeting, Niagara Falls, Canada, July 20th |
| 2008 | Veterinarian’s Risk of Zoonotic Infections | Forum on Prevention for One Health-One Medicine at the 145th AVMA Annual Convention, New Orleans, LA, July 22nd. |
| 2008 | Emerging Respiratory Virus Threats: An Update | Clinical Didactic Series, Pathology Department, University of Iowa College of Medicine, Iowa City, IA, October 29th. |
| 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 |
| 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 15th, 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 |
| 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 | 4th 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 25th. |
| 2012 | Emerging Influenza Virus Threats: An Update | Dean’s Lecture, University of South Florida, Tampa, FL, November 1st, 2012 |
| 2012 | The One Health Initiative: A Promising Approach to Difficult Public Health Problems | Stemfest, Sante Fe College, Gainesville, FL, November 26th, 2012 |
| 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 29th, 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 | 7th 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 11th. |
| 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 |
| 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 Seminar - NC One Health Collaborative, Durham, NC, 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 14th. |
| 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 23rd. |
| 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 Center 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 |
| 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, Janjing, 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 |
| 2015 | Mugwart, Morin Khuur, and Monoclonals: New Opportunities for Duke Infectious Disease Research in Asia | Infectious Disease Grand Rounds, Duke University, Durham, NC, November 2nd |
| 2015 | Modern Livestock Production and Novel Influenza Virus Generation: Are the Benefits Worth the Risk? | Coppoc One Health Lecture, Purdue University College of Veterinary Medicine,West Lafayette, November 4th |
| 2015 | Modern Livestock Production and Novel Influenza Virus Generation: Are the Benefits Worth the Risk? | Noon seminar at Duke Kunshan University, November 24th |
| 2015 | The One Health Approach to  Wicked Public Health Problems | Duke School of Medicine Institute and Center Directors monthly meeting, December 3rd |
| 2016 | Novel Influenza Virus: The Source Awakens | Medicine Grand Rounds, Duke School of Medicine January 8th |
| 2016 | Modern Livestock Production and Novel Influenza Virus Generation: Are the Benefits Worth the Risk? | One Health Seminar - NC One Health Collaborative, Durham, NC, January 19th |
| 2016 | Duke/Duke-NUS/DKU One Health Research & Training Activities | Global Duke Meeting, Duke University, Durham, NC, January 21st |
| 2016 | Emerging Adenovirus Threats and  New Interventions | Transplant ID Core Curriculum Lecture Series, Duke University, Durham, NC, Mar 1 |
| 2016 | The One Health Approach to  Wicked Public Health Problems | Web-X lecture to ~25 students at Asian University for Women (AUW), a liberal arts university in Chittagong, Bangladesh |
| 2016 | One Health: An Increasingly Popular Approach to  Wicked Public Health Problems | Seminar Department of Microbiology and Immunology  Uniformed Services University of Health Sciences, Bethesda, Maryland, May 9th |
| 2016 | International Trends in One Health Research and Training | 5th International Symposium on One Health Research, Mongolia, June 14-15th |
| 2016 | Opportunities in One Health Research Funding and Graduate Education | AVMA 2016 Annual Conference, San Antonio, Texas, August 9th |
| 2016 | The One Health Approach to Wicked Public Health Problems | One Health, The 1st European Interregional Conference, Bucharest, Romania, September 24-26 |
| 2016 | Opportunities in One Health Research Funding and Education | One Health, The 1st European Interregional Conference, Bucharest, Romania, September 24-26 |
| 2016 | Using a One Health Research Approach in Tackling Wicked Emerging Infectious Disease Problems | Second Annual Conference of the Chinese Consortium of Universities for Global Health, Kunshan, China, October 14-15 |
| 2016 | One Health Approaches to Emerging  Respiratory Virus Threats | Second Annual Conference of the Chinese Consortium of Universities for Global Health, Kunshan, China, October 14-15 |
| 2016 | Opportunities in One Health Research Funding and Education | Berry College seminar, Berry, GA, October 25 |
| 2016 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | 2016 World Life Science Conference, Beijing, China, Nov 1-3 |
| 2016 | International Trends in One Health Research and Training | 2nd World Veterinary Association-World Medical Association Global Conference of One Health, Kitakyushu, Fukuoka, Japan, Nov 10-11 |
| 2017 | Grand Rounds Seminar: A Review of Recently Emerged Respiratory Viruses Threats | Sibu Hospital, Sarawak, Malaysia, March 3rd |
| 2017 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Keynote address: One Health Innovations Research Symposium: Preventing the Next Pandemic Conference. Kansas City, Kansan. Kansas City, MO. August 27-28 |
| 2017 | Evidence for Cross-species Influenza A Virus Transmission within Swine Farms, China | Oral presentation, ID Week, San Diego, CA, October 4-8, 2017; Abstract published online [Open Forum Infect Dis](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5632199/). 2017 Fall; 4(Suppl 1): S24. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5632199/> |
| 2017 | A Review of Recently Emerged Respiratory Virus Threats | Keynote presentation, 4th Annual Microbiology & Infectious Diseases Asia Congress, Singapore, October 10-11 |
| 2017 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Duke Infectious Diseases 40th Anniversary Symposium, Durham, NC, October 20-21 |
| 2018 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | School of Health Sciences, University of Kwazulau-Natal, Durban, South Africa, February 22 |
| 2018 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Brody School of Medicine, Eastern Carolina University, Greenville, NC, March 28th |
| 2018 | A Review of Emerging Respiratory Virus Threats to Mankind | Global Health Center Noon Seminar, Duke Kunshan University, Kunshan, China, April 3 |
| 2018 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Fudan University, Shanghai, China, April 5. |
| 2018 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Wuhan University School of Health Sciences, Wuhan, China, April 6. |
| 2018 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Keynote address, 8th Annual Global Health Symposium, Wake Forest School of Medicine, Winston-Salem, North Carolina, April 25th |
| 2018 | A Review of Emerging Respiratory Virus Threats to Mankind | Internal Medicine Grand Rounds, Wake Forest School of Medicine, Winston-Salem, North Carolina, April 26th |
| 2018 | Zoonotic Influenza Viruses:  What Do We Know About the Risks to Man? | Global Good Fund/Intellectual Ventures; Bill & Melinda Gates Foundation. Quarterly Meeting: The One-Health Approach: Bringing Together Human and Animal Health for New Solutions: July 30th Seattle |
| 2018 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Invited seminar Shandong University, School of Public Health, Jinan, China, August 4th |
| 2018 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Keynote address at at Appalachia One Health Leadership Weekend, Lincoln Memorial University, Harrogate, TN, September 14th |
| 2018 | One Health: Anticipating the Next Pandemic Threat | Duke Global Health Institute Board of Advisors, Durham, NC, September 25th |
| 2018 | One Health: Anticipating the Next Pandemic Threat | Brief Chinese private-sector entrepreneurs, Duke University, Durham, NC, Oct 3rd |
| 2018 | Pigs, Poultry, and Public Health: Pursuing Pathogens with Pandemic Potential | Gates Foundation Grand Challenges Meetings, Berlin, Germany Oct 15-18 |
| 2018 | Avian, Swine, Equine, Canine, and Feline Influenza Viruses: What Do We Know About the Risks of Human Infection? | Webinar, American College of Veterinary Preventive Medicine, Nov 15th. |
| 2019 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Institute of Artic Biology Life Science Hour Seminar, University of Alaska, Fairbanks, Alaska, March 1st. |
| 2019 | Swine, Avian, Feline, Equine, and Canine Influenza Viruses: What Do We Know About the Risks of Human Infection? | Duke University Infectious Disease Grand Rounds, Mar 18th |
| 2019 | Pigs, Poultry, and Public Health: Anticipating Future Pandemic Threats | Duke University Medicine Research Seminar Series, Apr 26th |
| 2019 | Pigs, Poultry, and Public Health: Anticipating Future Pandemic Threats | Plenary lecture, 2019 Council for State and Territorial Epidemiologists (CSTE) Annual Conference, Raleigh, NC June 4th. |
| 2019 | Swine, Avian, Feline, Equine, and Canine Influenza Viruses: What Do We Know about the Risks of Human Infection | BSL-3 Training/ Transboundary Animal Diseases Summer Program Joint BRI/CEEZAD, Kansas State University, Manhatten, KH, June 12th |
| 2019 | One Health: Anticipating the Next Pandemic Threat | Joint BRI/CEEZAD Mini-Symposium, Kansas State University, Manhatten, KH, June 13th |
| 2019 | One Health: Anticipating the Next Pandemic Threat | Seminar, Duke Kunshan University, September 11th |
| 2019 | One Health: An Increasingly Popular Approach to Wicked Global Health Problems | Keynote, One Health Federation of Asian and Oceania Pest Managers' Association Pest Control Summit (FAOPMA-Pest Summit), Daejeon, Republic of Korea, September 25th |
| 2019 | One Health: Anticipating the Next Pandemic Threat | Incheon National University, Incheon, Republic of Korea, September 26th |
| 2019 | One Health Efforts are Likely to Fail Unless Partnerships are Gained with Agricultural Industries and Food Animal Veterinarians | Panel: One Health Efforts are Likely to Fail Unless Partnerships are Gained with Agricultural Industries and Food Animal Veterinarians, 2019 Triangle Global Health Conference, Durham, Durham, NC, October 16th |
| 2019 | International Research | Duke Clinical Research Undergraduate Experience (dCRUE), Duke University, Durham, NC, October 22nd |
| 2019 | Novel Pathogen Research at Human-Animal Nexus | Genomic and Precision Medicine Forum, Duke University, October 24th |
| 2019 | Hunting for New Virus Threats Where Large Numbers of Humans and Animals Mix | American Scientist Pizza Lunch/Podcast, Durham, NC, October 29th |
| 2019 | One Health: Anticipating the Next Pandemic Threat | One Health Day, Virginia-Maryland College of Veterinary Medicine, Blacksburg, VA, October 31st |
| 2019 | Gave Plenary 2: One Health: An Increasingly Popular Approach to Wicked Global Health Problems | BRTMA-Malaysia International Congress on Tropical Medicine, Sibu, Malaysia, November 14th |
| 2019 | Organized and led Symposium 2: Employing One Health Principles in Studying Emerging Infectious Disease | BRTMA-Malaysia International Congress on Tropical Medicine, Sibu, Malaysia, November 14th |
| 2019 | Influenza Research at the Human-Livestock Interface in Asia | Lecture at Duke Influenza Symposium, Duke University, Durham, NC. Dec 11th |
| 2020 | An Update: Emerging Respiratory Virus Threats | Zoom Duke Infectious Diseases Grand Rounds. March 16th. |
| 2020 | An Update: Emerging Respiratory Virus Threats | Zoom lecture to Peace Corps medical staff, April 29th |
| 2020 | An Update: Emerging Respiratory Virus Threats | Zoom lecture to Universidad de las Fuerzas Armadas – ESPE Sangolquí, Ecuador, May 27th |
| 2020 | Served on the live online panel of experts: One Health and Infections Control July 28 | Disease Prevention and Control Summit America 2020, July 27-28 |
| 2020 | Employing a One Health Approach to Mitigate Future Pandemic Threats | Virtual Grand Rounds to NIAID, Sept 11th |
| 2020 | Employing a One Health Approach to Mitigate Future Pandemic Threats | Invited lecture, Annual meeting of the American Public Health Association, October 27th |
| 2020 | Employing a One Health Approach to Mitigate Future Pandemic Threats | Virtual lecture at Ohio State University’s 2020 Global One Health Day Conference, “Strengthening Global Resilience Through One Health: A 2020 Vision for a Sustainable Future”, November 5th |
| 2020 | Alexander Hamilton Society, Duke chapter | Served on a virtual panel discussing COVID-19 in the Global South |
| 2020 | Employing a One Health Approach to Mitigate Future Pandemic Threats | Virtual lecture at Incheon National University’ (Incheon, South Korea) International Symposium, Global One Health: Directions to Building a Platform for Early Response to Infectious Diseases, November 19th |
| 2020 | Participated as a key expert in a panel explaning Singapore’s need to embrace the One Health approach | "Academic Medicine In Conversation Session 5 (One Health)", Virtual presentation December 9, 2020 |

Visiting Professorships

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| Year | Location |
| 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 12th |
| 2003 | North Iowa Mercy Health Center, Mason City, Iowa, April 16th |
| 2006 | North Iowa Mercy Health Center, Mason City, Iowa, November 8th |
| 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*

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| Year |  |
| 2007-12, 2016-18 | Board member, International Society for Influenza and Other Respiratory Virus Diseases |
| 2008-14 | Associate Editor, *Journal of Infection and Public Health* |
| 2008-11 | Editorial Board, *Journal of Clinical Virology* |
| 2010-14 | International Advisory Committee, *Journal of Military and Veterans’ Health* |
| 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 |
| 2011-18 | Editorial Board, journal *Influenza and Other Respiratory Viruses* |
| 2014-18 | Editorial Board, journal *Military Medical Research (Beijing, China)* |
| 2015- | Editorial Board, journal *Tropical Diseases, Travel Medicine and Vaccines* |
| 2019 | Elected to membership in US think tank, the Council on Foreign Relations |

*Review Panels*

| Year | Title |
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| 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. LaMontage 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 |
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*Departmental, Collegiate or University Service Positions*

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| Year | Position |
| 2003-9 | 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 |
| 2003-9 | 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 |
| 2016- | Senior academic leader for the Global Health/Biology major at Duke Kunshan University, China |
| 2015-18 | Duke Universities China Faculty Council |
| 2018-19 | Duke University’s Search Committee for DKU’s Vice Chancellor for academic affairs |
| 2020- | Duke University’s Climate Change Working Group |

*Professional Organizations* (state and/or national)

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| Year | Organization | Position |
| 1986-2004,2017- | 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*

| Year | Title |
| --- | --- |
| 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 |
| Since 2004 | Vaccine |
| Since 2005 | Journal of Clinical Virology |
| Since 2006- | Numerous journals |

*Organize Conference, Paper Session, etc.*

| Year | Title |
| --- | --- |
| 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 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 6th, 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 6th, 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 |
| 2015 | Scientific Committee, third International Symposium on Neglected Influenza Viruses, April 15-17, Athens, Georgia |
| 2016 | Organizer, Duke Provost Forum: Modern livestock Production: Are the Benefits Worth the Risks? February 22. |
| 2018 | Scientific Committee, Fourth International Symposium on Neglected Influenza Viruses, Brighton, UK, April 18-20 |
| 2020 | Scientific Committee, Fifth International Symposium on Neglected Influenza Viruses, Columbus, Ohio, May 11-13 |
| 2020 | Scientific Programme Committee, World One Health Congress, Edinburgh, Scottland, Jun 14-18 |

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

| Year | Title |
| --- | --- |
| 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 |
| 2019-20 | RTI-DGHI Global Health Working group bi-annual meeting |

*State or National Committees*

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

*Professionally Relevant Community Involvement*

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| Year | Activity |
| 2002 | Agents of Bioterrorism We are Most Likely to Encounter -Community Education session, Mercy Medical Center, Dyersville/Tri-State Occupational Health  Dyersville, IA September 4th |
| 2002 | Agents of Bioterrorism We are Most Likely to Encounter -Community Education – Presentation to Iowa City’s “The Club” Iowa City, IA, September 24th |
| 2002 | Iowa City radio talk show on bioterrorism  WSUI “Iowa Talks” , November 15th, 2001 |
| 2003 | Epidemiology: Adventures in Serving Populations – Presentation to AP biology students, West High School, Iowa City, IA, February 12th |
| 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 19th |
| 2005 | Avian influenza and public health: Why the concern? 43rd annual Junior Science and Humanities Symposium (200 high school students), Sheraton, Iowa City, February 24th. |
| 2005 | Avian influenza and public health: Why the concern? Biology Undergraduate Society, University of Iowa. Mar 28th |
| 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 19th |
| 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 17th. |
| 2006 | Risk of Pandemic Influenza and Course of Disease. Cedar Rapids Area Chamber of Commerce, Cedar Rapids, IA, Sept 28th. |
| 2006 | Pandemic Influenza and Public Health: Why the Concern? State Health Registry of Iowa Staff Meeting, Iowa City, IA, August 31st |
| 2008 | The Pandemic Threat of Avian Influenza: An Update for Health Care Professionals  Midwestern Conference Health Care in the Elderly, Iowa City, IA , January 24thHealth Care in the Elderly, 30th Annual Meeting, Iowa City, IA, Jan 25th |
| 2010 | Zoonotic Diseases: Their Importance and Neglect, University of Florida Pre-Med AMSA students, March 24th |
| 2011 | Examples of Environmental & Global Health Research, Sunrise Rotary Club, Oct 6, 2011 |

*Professional Consulting*

|  |  |  |
| --- | --- | --- |
| Year | Organization | Role |
| 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*

|  |  |  |
| --- | --- | --- |
| Year | Activity | Role |
| 2007 | July 5-6th, Prevention and Control of Avian Influenza in US” (AICAP, [www.aicap.umd.edu](file:///C:\Users\Greg\AppData\gcgray\AppData\Local\Microsoft\Windows\Documents%20and%20Settings\Home\Local%20Settings\Temporary%20Internet%20Files\Local%20Settings\Temporary%20Internet%20Files\Content.Outlook\8TP1RBIV\www.aicap.umd.edu)), Cooperative Agricultural Projects (CAP) currently funded by the CSREES-USDA | Reviewed and scored research proposals |

Students Advised

*Graduate Students*

| Began | Name | Degree Objective | Outcome |
| --- | --- | --- | --- |
| 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 |
| 2010 | Anderson, Benjamin | 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) | PhD Dec 2016 |
| 2012 | Anderson, Benjamin, MPH | PhD (EGH One Health) | PhD April 2016 |
| 2012 | Khan, Mohammed Salah Uddin, DVM | PhD (EGH) | PhD Dec 2015 |
| 2012 | Mary Leigh Morris | MHS (One Health) | MHS Dec 2013 |
| 2012 | Tia Reddick | MHS (One Health) | MHS Dec 2013 |
| 2012-13 | Lauren Stevenson | MHS (One Health) | MHS Dec 2013 |
| 2013 | Don Neiffer, DMV | MHS (One Health) | MHS April 2015 |
| 2013 | Nnanyelugo Odezulu | MHS (One Health) | MHS April 2015 |
| 2013 | Jane Ritho | MHS (One Health) | MHS April 2015 |
| 2013 | Bahareh Keith, MD | MHS (One Health) | MHS Dec 2015 |
| 2013 | Jonnie Dietz | MHS (One Health) | MHS April 2015 |
| 2013-16 | Sarah Keller/White, MPH | PhD (EGH One Health) | PhD Dec 2016 |
| 2013 | Marissa Valentine, MPH | PhD (EGH One Health) | PhD Dec 2016 |
| 2015-16 | Laura Pulscher | MSc (Global Health) | Global Health MS dec 2016 |
| 2015-17 | Fatima, Hiba | MS c(Global Health) | MSc April 2017 |
| 2015-17 | Tom Moore | MSc (Global Health) | MSc April 2017 |
| 2016 | Xinye "Emma" Wang | MSc (Global Health) DKU | MSc April 2017 |
| 2016-18 | Jane Fieldhouse | MSc (Global Health) | MSc Dec 2017 |
| 2016-18 | Laura Borkenhagen | MSc (Global Health) | MSc Dec 2017 |
| 2016-18 | Hudson Berkhouse | MSc (Global Health) DKU | MSc Dec 2017 |
| 2016-18 | Sarah Philo | MSc (Global Health) | MSc May 2018 |
| 2017-18 | Juliana Zemke | MSc (Global Health) | MSc May 2019 |
| 2017-18 | Jessica Choi | MSc (Global Health) | MSc May 2019 |
| 2018-20 | Abdelgadir, Anfal "Fulla" | MSc (Global Health) |  |
|  |  |  |  |

*Professional/Postdoctoral Students*

|  |  |  |  |
| --- | --- | --- | --- |
| Began | Name | Degree Objective | Role |
| 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 |
| 2014-18 | Benjamin D. Anderson, MPH, PhD | Postdoctoral Fellow | PI |
| 2015-17 | Mee Kian Poh | Postdoctoral Fellow Duke-NUS | PI |
| 2014-15 | Sophia Papageorgiou, DVM, MPVM, PhD | NIH D43 training | PI |
| 2014-16 | Boldbaatar Bazartseren, DVM, PhD | NIH D43 training | PI |
| 2014-16 | Sukhbaatar Lkhagvatseren, DVM, PhD | NIH D43 training | PI |
| 2015-16 | Michael von Fricken, PhD | NIH D43 training | PI |
| 2015-16 | Derek Johnson, PhD | NIH D43 training | PI |
| 2017-20 | Kristen K. Coleman, PhD | Postdoctoral Fellow Duke-NUS | PI |
| 2015-17 | Ulziimaa Daramragchaa, MD | NIH D43 training | PI |
| 2015-17 | Maitsetset Chuluunbaatar, MS | NIH D43 training | PI |
| 2015-17 | Christophe Hansen-Estruch. medical student | Duke Medical student | Research adviser x 10 months |
| 2016 | Luke Caddell | University of Miami Medical student | PI Research adviser x 3 months |
| 2016-17 | Lexi Sacks, DVM | NIH D43 training | PI |
| 2016- | Amber Barnes, MPH, PhD | NIH D43 training | PI |
| 2016- | Anu Davaasuren, MD, MPH | NIH D43 training | PI |
| 2016- | Uyanga Baasandavga, MSPH | NIH D43 training | PI |
| 2016 | Linfa “Echo” Wang, PhD student SCAU | CSC scholar | PI |
| 2016 | Jenae Logan | Research analyst | PI |
| 2016-18 | Than Thi Nguyen | Laboratorian at Duke-NUS | PI |
| 2016-17 | Tai Xie, PhD student, Changhai Hospital, Shanghai | CSC scholar | Research adviser x 12 months |
| 2017-18 | Su Yadana | Laboratorian at Duke-NUS | PI |
| 2017 | Katie A. McCallion, DVM | NCSU postdoctoral scholar | PI |
| 2017-19 | Mayagmarsukh Yondon, DVM | Invited scholar | PI |
| 2017-18 | Dingmei Zhang, MD | CSC scholar | PI |
| 2018-20 | Than The Son, DVM | Laboratorian at Duke-NUS | PI |
| 2018 | Junxiong Vincent Pang, BSc, MSc, PhD of NUS Saw Swee Hock School of Public Health, Singapore | Fulbright Scholar as Duke University for 3 months | PI |
| 2018-19 | Emily S. Bailey, PhD | Postdoctoral Fellow | PI |
| 2018-19 | Diego Galan  medical student | Duke Medical student | Research adviser x 5 months |
| 2019 | Elsa Sanabria | NCSU Veterinary student | Research adviser x 1 months |
| 2019-20 | Thao Nyugen | Duke Medical student | Research adviser x 10 months |
| 2019-20 | Amanda Farrell | Duke Medical student | Research adviser x 10 months |
| 2019-20 | Leshan Xiu | CSC PhD student | Research adviser x 12 months |
| 2020- | Raquel Binder, PhD | Postdoctoral Fellow |  |

*MPH Practicum / MS Preceptorship*

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Name | Degree Objective | Role |
| 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 Brahmbhatt | 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 (Larson) | 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 | Univ Florida MPH | Arranged practicum at Veterinary Medical Institute, Ulaabaatar, Mongolia |
| 2010 | Amando-Jo Joswig | Univ Florida MPH | Arranged practicum at Veterinary Medical Institute, Ulaabaatar, Mongolia |

*Dissertation/Thesis*

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Name | Degree Objective | Role |
| 2002-7 | Kendall Myers | PhD | Dissertation advisor / committee |
| 2003-5 | Julie Wood | MS (epi) | Member, thesis committee |
| 2004-7 | Mike Parker | MS (epi) | Member, thesis committee |
| 2004-6 | Tina Parker | MS (epi) | Member, thesis committee |
| 2004-5 | Sandy Olson (Univ. of WI) | MS | Thesis research advisor / committee |
| 2004-10 | Sarah Starks | MPH & PhD | Member, dissertation committee |
| 2004-6 | 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 |
| 2013-14 | Galaxia Cortés-Hinojosa | PhD | Member, dissertation committee |
| 2007-11 | Whitney Baker, MPH | PhD | Dissertation advisor, Chair, dissertation committee |
| 2011-16 | Cuc Tran, MPH | PhD-EGH | Dissertation advisor, Chair, dissertation committee |
| 2011-14 | Ali Messenger, MPH | PhD-EGH | Member, dissertation committee |
| 2011-15 | Maha Adel Elbadry | PhD-EGH | Member, dissertation committee |
| 2011-16 | Yaser Abdulaziz Alsahafi | PhD-EGH | Dissertation advisor, Chair, dissertation committee |
| 2012-16 | Benjamin D. Anderson, MPH | PhD-EGH | Dissertation advisor, Chair, dissertation committee |
| 2012-16 | Khan, Mohammed Salah Uddin, DVM | PhD-EGH | Academic Advisor |
| 2012-15 | Xiao Zheng (Bela) | PhD-EGH | Member, dissertation committee |
| 2013-16 | Sarah Keller/White | PhD-OH | Committee Chair |
| 2017-19 | Justin Lana | PhD, environment | Dissertation committee |
| 2018-19 | Lucas Rocha Melogno | PhD, engineering | Dissertation committee |

Other Advising/Mentoring

|  |  |  |  |
| --- | --- | --- | --- |
| Began | Name | Position | Role |
| 2002 summer | George Hightower | Summer Research Opportunities Program (undergraduate) | Mentor |
| 2003 spring | Muhammed Jabang | Fogarty Scholar from The Gambia | Mentor |
| 2003 summer | Edisa Albino | Summer Research Opportunities Program (undergraduate) | Mentor |
| 2003 | Emily Wagstron | Laboratory intern (undergraduate) | Mentor |
| 2004 summer | Kendra Grams | Laboratory intern (undergraduate from Coe College) | Mentor |
| 2004 fall | Alexandru Coman | Fogarty Scholar from Romania | Advisor |
| 2005 | Jill Dinkla | Laboratory intern (undergraduate) | Mentor |
| 2005 | Scott Teesdale | Laboratory intern (undergraduate) | Mentor |
| 2005 | Rebecca Milburn | Laboratory intern (undergraduate) | Mentor |
| 2005 | Lindsay Bodkins | Laboratory intern (undergraduate) | Mentor |
| 2005 | Daniella Moga | Fogarty Scholar from Romania | Advisor |
| 2005 | Ernesto Ortiz | Laboratory intern (MPH student) | Mentor |
| 2006 | Laura Lee | Laboratory intern (undergraduate) | Mentor |
| 2006 | Martha Carvour | Laboratory intern (MD/MPH student) | Mentor |
| 2006 | Will Heise | Laboratory intern (MD/MPH student) | Mentor |
| 2006 | Phil Van Der Griend | Laboratory intern (MPH student) | Mentor |
| 2006 | Sean McGee | Laboratory intern (Biology) | Mentor |
| 2006 | Margaret Chorazy | Laboratory intern (PhD student) | Mentor |
| 2006 | Brad Randles | Laboratory intern (MD/MPH student) | Mentor |
| 2006 | James Bechtel | Laboratory intern (Biochemistry student) | Mentor |
| 2007 | Erin Moritz | Laboratory intern (PhD student) | Mentor |
| 2007 | Pradeep Bandaru | Laboratory intern (Physics) | Mentor |
| 2007 | Emily Funk | Laboratory intern Chemistry & math major, Boston University | Mentor |
| 2007 | Meri Good | Laboratory intern UI MPH student | Mentor |
| 2007 | Brett Powell | Laboratory intern UI MPH student | Mentor |
| 2007 | Taylor Seemuth | Laboratory intern Freshman at ISU | Mentor |
| 2007 | Osarumen Okunbor | Laboratory intern Univ of MOi-Columbia, SROP student, Psychology | Mentor |
| 2007 | Brandon Alleman | Laboratory intern MD/PhD student | Mentor |
| 2007 | Abby Harper | Laboratory intern UI Epi MS student | Mentor |
| 2007 | Andrew Oga | Laboratory intern, National Veterinary Research Institute Vom, Nigeria | Mentor |
| 2008 | Courtney Cook | Laboratory intern, Epi MS student, Univ of IA CPH | Mentor |
| 2008 | Erin Reynolds | Laboratory intern, Epi PhD student, Univ of IA CPH | Mentor |
| 2008 | Hsiu-yin Chiang | Laboratory intern, Epi PhD student, Univ of IA CPH | Mentor |
| 2008 | Phil Scheibel | Laboratory intern, Biological sciences and psychology undergrad, Univ of IA | Mentor |
| 2008 | Eric Elliott | Laboratory intern, Biological sciences, Undergrad, Wheaton College, Wheaton, IL | Mentor |
| 2008 | Eric Hawkins | Laboratory intern, Epi MS student, Univ of IA CPH | Mentor |
| 2008 | Tracy Lynn MacIntyre | Laboratory intern, Epi MS student, Univ of IA CPH | Mentor |
| 2008 | Val Clottey | CEID research assistant Gray RA | Mentor |
| 2008 | Nicole Pearson | Laboratory intern, Epi MPH student, Univ of IA, CPH | Mentor |
| 2009 | Ipar Zeynep Demir | MS epidemiology student | Laboratory director |
| 2009 | Laura Vonnahme | MPH (epi) student, | Laboratory director |
| 2009 | Anne Dressler | MS epidemiology student | Laboratory director |
| 2009 | Amanda Irish | Laboratory intern, MPH student | Laboratory director |
| 2009 | Lauren Levitz | Laboratory intern, Undergrad at Brown University | Laboratory director |
| 2009 | Thomas Heineman | Undergrad Univ of IA / Oxford University, Chemistry major | Laboratory director |
| 2015 | Tesha Florence | Duke University undergraduate | Student research assistant |
| 2015 | Anastasia Sophia Lambrou | Duke University undergraduate | Student research assistant |
| 2016 | Andrew Wang | Duke University undergraduate | Student research assistant |
| 2018 | Rick Tsao | Duke University undergraduate | Student research assistant |
| 2018 | Calvin Wang | Duke University undergraduate | Student research assistant |
| 2018 | Christine Wang | Duke University undergraduate | Student research assistant |
| 2017-19 | David Chen | Duke University undergraduate | Bass Connections |
| 2017-19 | Kerry Mallison | Duke University, Biology and Global Health majors | Bass Connections Mentor, Distinction in Biology |
| 2019-20 | Sumana Goli | MSc (Global Health) | Student research assistant |

Other Contributions to Institutional Programs*Institutional Conferences, Grand Rounds, Journal Clubs*

| Year | Title | Location |
| --- | --- | --- |
| 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 25th | 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 4th | 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 9th | 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 10th | University of Iowa Oakdale Auditorium |
| 2003 | “Yesterday’s Scourge Is Today’s Most Feared Bioterrorism Threat” WorkSafe Iowa May 2nd | Des Moines |
| 2003 | “The Center for Emerging Infectious Diseases: Activities and Opportunities” Epidemiology Department Seminar, September 29 | University of Iowa |
| 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 12th. 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 27th. | University of Iowa |
| 2007 | Research Opportunities at the Center for Emerging Infectious Diseases Sept 7th | Student Research Club,  University of Iowa College of Medicine |

*Teaching Committees*

|  |  |
| --- | --- |
| Year | Committee Name |
| 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*

|  |  |  |
| --- | --- | --- |
| Year | Institution | Course Title |
| 2001 | University of Iowa | NexTT Workships |
| 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*

| Year | Title | Location |
| --- | --- | --- |
| 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 4th |
| 2002 | Agents of Bioterrorism We are Most Likely to Encounter | Joint Medical Staff Meeting, Allen College, Waterloo, IA  May 7th |
| 2002 | Agents of Bioterrorism We are Most Likely to Encounter | Visiting Professor Program at Iowa Lutheran Hospital, Des Moines, IA  September 12th |
| 2002 | Medical Epidemiology: Adventures in Serving Populations | Presentation to American Medical Student Association, Fall 2002 Region VIII Conference  September 28th |
| 2002 | Adenovirus and human metapneumovirus: emerging human respiratory pathogens | The Second Biannual All Iowa Virology Symposium  University of Iowa  October 25th and 26th |
| 2003 | Smallpox: Yesterday's Scourge is Today's Most Feared Bioterrorism Threat | Seminar  College of Veterinary Medicine, Iowa State University  Ames, Iowa  April 15th |
| 2003 | Bioterrorism and Public Health Response (Parts I and II) | Visiting Professor Program at North Iowa Mercy Health Center, Mason City, Iowa, April 16th |
| 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 1st | Northeast Iowa Community College |
| 2004 | Zoonotic Influenza and Public Health | Iowa Veterinary Medical Association’s Winter Conference, Scheman Building, Ames, Iowa,  February 13th |
| 2004 | Medical Epidemiology: Adventures in Serving Populations | Presentation to UI Medical Students, April 15, 2004 |
| 2005 | Zoonotic influenza and public health: Why the concern? | Presentation to medical staff, Broadlawns Medical Center, Des Moines, IA, July 21st |
| 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 |
| 2016 | Duke/Duke-NUS/DKU  One Health Research & Training Activities | Presentation to Duke Medical School’s Global Health Interest Group (GHIG), Dec 5th |

**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 Reseach 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.