

CURRICULUM VITAE

Gregory C. Gray, MD, MPH, FIDSA
November 26, 2012

I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. Education

<u>Institution</u>	<u>Dates Attended</u>	<u>Field of Study</u>	<u>Degree Obtained</u>	<u>Degree Date</u>
US Naval Academy	1973-77	Bioscience	BS	1977
University of Alabama at Birmingham, School of Medicine	1979-83	Medicine	MD	1983
Johns Hopkins School of Hygiene & Public Health	1986-87	Public Health	MPH	1987
Walter Reed Army Institute of Research	1987-88	General Preventive Medicine	Residency	1988

Certification/License

<u>Boards</u>	<u>Date</u>
Public Health and General Preventive Medicine	1989

B. Professional and Academic Positions

<u>Position Title</u>	<u>Dates of Service</u>	<u>Location / Institution</u>
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

<u>Position Title</u>	<u>Dates of Service</u>	<u>Location / Institution</u>
Director	1998-01	Established Navy Node in the DoD Surveillance and Response System for Emerging Infectious Diseases
Director	1999-01	Established a Clinical Trial Center for the Naval Health Research Center
Director	1999-01	Established DoD Center for Deployment Health Research (>60 professionals)
Advanced to Adjunct Associate Clinical Professor	2000-01	Dept of Family & Preventive Medicine, School of Medicine, University of California, San Diego
Clinician	2000-01	Naval Medical Center San Diego
Appointed Adjunct Professor	2000-	Preventive Medicine & Biometrics (Epidemiology), Uniformed Services University of Health Sciences, Bethesda, MD
Professor	2001-9	Dept of Epidemiology, College of Public health, University of Iowa, Iowa City, IA
Director	2003-9	Center for Emerging Infectious Diseases, College of Public health, University of Iowa, Iowa City, IA
Granted tenure	2004	Dept of Epidemiology, College of Public health, University of Iowa, Iowa City, IA
Received secondary appointment	2004-9	International Programs, University of Iowa, Iowa City, IA
Interim Chief Scientific Advisor	2006-7	University of Iowa Hygienic Laboratory (260 employees)
Adjunct Professor	2008-	University of the Sunshine Coast, Maroochydore, Australia
Member Board of Advisors	2008-	Center for Health Policy and Public Health at Babeş-Bolyai University in Cluj-Napoca, Romania.
Professor (tenured) and Founding Chair	2010-	Department of Environmental and Global Health College of Public Health and Health Professions University of Florida, Gainesville, FL
Professor	2010-	Infectious Diseases and Pathology, College of Veterinary Medicine, University of Florida, Gainesville, FL
Director	2010-	Global Pathogens Laboratory, Emerging Pathogens Institute, University of Florida

C. Honors, Awards, Recognitions, Outstanding Achievements

<u>Year</u>	<u>Title</u>
1983	Excellence in Psychiatry Award, University of Alabama at Birmingham, School of Medicine
1985	A Navy Southern Pacific Swimming Champion in the 800 meters
1990	Navy Commendation Medal and a Meritorious Unit Commendation from the Secretary of the Navy for epidemiologic research. Finished third overall in the 1990 Cairo (Egypt) Grand Prix Triathlon
1993	Awarded the Louis Weinstein award for best clinical paper in <i>Clinical Infectious Diseases</i> .
1994	Awarded the Albert Leary Gihon Medal for outstanding accomplishments in Navy Prevention 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
1997	Elected a fellow in the Infectious Disease Society of America

Year	Title
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 tentative approval for Navy Respiratory Disease Laboratory's designation as a WHO Collaborating Center for Respiratory Diseases
2001	Received Department of Defense Legion of Merit Medal for exceptionally meritorious conduct (epidemiological research) for the Department of Defense
2002-6	Appointed a member in the US Armed Forces Epidemiological Board
2003	Secretary of Defense Medal for Outstanding Public Service. DoD's 2 nd highest award for a civilian
2004-6	Reappointed a member in the US Armed Forces Epidemiological Board
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. <i>Vaccine</i> . 2006;15:2835-42.
2007	Epidemiology Student Association Outstanding Mentor award
2007	University of Iowa College of Public Health Faculty Research Award
2008	Nominated & elected into the Delta Omega Public Health Honor Society, Alpha Phi Chapter
2008	Organized an International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, May 15-16, 70 participants from 5 countries attended

Year	Title
2008-	Proposed, won funding and approval for a new Certificate in Emerging Infectious Diseases Epidemiology program – focused upon helping international professionals work towards a degree in public health, 24 trainees during 2008-9; 33 trainees 2009-10
2008-	Invited to participate in the FAO-OIE-WHO Joint Technical Consultation on Avian Influenza at the Human Animal Interface, Verona, Italy, 7-9 October
2008-11	Appointed to the Infectious Disease Society of America's National & Global Public Health Committee
2009	University of Iowa International Studies Faculty Mentor of the Year
2009	Association of Schools of Public Health, photograph of the month, July
2009	Named University of Iowa College of Public Health Distinguished Faculty Lecturer
2009	Organized 2nd International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, July 8-10, 140 participants attended
2009	Received the Medal of Honor from Mongolia's Minister of Health for health sector development (MoH's highest award)
2009	Received the Peace Medal awarded by the President of Mongolia for research and prevention of communicable diseases (The Mongolian government's highest honor for a foreigner)
2009	Selected as an ad hoc reviewer for NIAID's study section Infectious Diseases, Reproductive Health, Asthma and Pulmonary Conditions (IRAP)
2009	Association of Schools of Public Health, photograph of the month, September
2010-	Appointed to the IOM Committee on Readjustment Needs of Military Personnel, Veterans and their Families
2010-	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-	Appointed to the IOM Board on the Health of Select Populations
2010-	Appointed to the IOM Medical Follow-up Agency Advisory Committee
2011-	Photograph selected for the Association of Schools of Public Health' 2012 "This Is Public Health" Calendar
2010-present	Grew Environmental and Public Health Department from 4.5 primary faculty with \$14K grant funding in 2009 to 11 faculty with \$7.65M (2010-12) in total grant funding
2010 - present	Increased graduate students from ~10 MPH student in 2010 to 79 Certificate, MPH, and PhD student in 2012.
2010 - present	Added 16 accomplished courtesy faculty volunteers to the EGH department
2012	Established world's first public health PhD degree with a One Health concentration
2012	Established US's first public health Masters degree with a One Health concentration
2012	Established a Certificate in One Health
2012	Organized 4th International Symposium on Emerging Infectious Diseases, Mongolia, July 29-30, 105 participants, September 6-7
2012	Selected as a non-salaried board member of the Department of Veterans Affairs' National Center for Occupational Health and Infection Control (COHIC)
2012	Selected as an ad hoc reviewer for NIAID's study section Clinical Research and Field Studies Study (CRFS)
2012-	Selected as a non-salaried member of the National Marine Mammal Foundation Scientific Advisory Board

D. Medical Licensure

State	Date	License number
California	1983-2001	G54123
Iowa	2001-2010	34313
Florida	2010-present	ME 108102

II. TEACHING

A. Teaching Assignments

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,	NA	24	Director	80%

Semester Year	Course Title/ Number	Semester Hours	# Students	Role	Percent Responsible
	Prevention and Control of Acute Viral Respiratory Infections (1.5 days, Sept 16 & 17 th)				
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%

<u>Semester Year</u>	<u>Course Title/ Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Summer 2011	PHC 6937 Applied Infectious Disease Epidemiology	3	39	Director	100%
Summer 2011	PHC 6937 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 6937 An Introduction to Entomology, Zoonotic Diseases, and Food Safety	3	26	Director	40%
Fall 2012	ANS 3934 Careers in Livestock Industry	3	59	Speaker	3%

B. Students Advised
Graduate Students

<u>Began</u>	<u>Name</u>	<u>Degree Objective</u>	<u>Outcome</u>
2002	Ann Farmer	MS (Epi)	MS 2003
2002	Carol McGhan	MPH	MPH 2006
2002	Vaidarbhi Kolavennu	MS (Epi)	MS 2004
2002	Glenda Dvorak	MPH	MPH 2003
2002	Jamie Johnston	MPH	MPH 2003
2002	Mike Parker	MS (Epi)	May 2007
2003	Danielle Bickett-Weddle	MPH	MPH 2004
2003	Susan Brockus	MPH	MPH 2004
2003	Ann Peters	MPH	MPH 2004
2003	Katie Steneroden	MPH	MPH 2004
2003	Karry Jannie	MPH	MPH 2004

<u>Began</u>	<u>Name</u>	<u>Degree Objective</u>	<u>Outcome</u>
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)	Spring 2010
2005	Mohammad Ghazi Kayali	PhD (Epi)	Aug 2008
2005	Mike Male	MS	Dec 2009
2007	Jennifer Christensen	DVM/MPH	May 2009
2007	Amanda Silverberg	DVM/MPH	Dec 2008
2007	Kim Gudenhauf	DVM/MPH	May 2009
2007	Sam Messer, MPH	MS (Epidemiology)	Dec 2009
2007	Whitney Baker, MPH	PhD (Epidemiology)	Summer 2010
2008	Fernandez, Charlene	MPH for practicing vets	Spring 2010
2008	Weaver, Genevieve	MPH for practicing vets	Spring 2010
2009	Haugen, Brett. MD	MPH	Spring 2010
2009	Emily Beard	DVM/MPH	Spring 2012
2009	Crew, Page E	MS (epi)	May 2011
2009	Schultz, Jonathan	MPH (epi)	May 2011
2010	Anderson, Ben	MPH (EGH)	April 2012
2010	Clark, Nadia	MPH (EGH)	April 2012
2010	Davies, Jennifer	MPH (EGH)	
2010	Derby, Robin	MPH (EGH)	April 2012
2011	Su, Yi	MPH (EGH)	
2011	Alsahafi, Yaser	PhD (EGH)	
2012	Anderson, Ben	PhD (EGH)	
2012	Khan, Mohammed Salah Uddin	PhD (EGH)	
2012	Mary Leigh Morris	MHS (One Health)	
2012	Tia Reddick	MHS (One Health)	
2012	Lauren Stevenson	MHS (One Health)	

Professional/Postdoctoral Students

<u>Began</u>	<u>Name</u>	<u>Degree Objective</u>	<u>Role</u>
2006	Selim Kilic (Physician epidemiologist, Turkey)	Postdoc 12 months	Mentor
2009	Burmaa Alexander (Physician epidemiologist, Mongolia)	NIAID influenza laboratory trainee 2 months	Laboratory director
2009	Dr. Ulziimaa Daramragchaan (Physician epidemiologist, Mongolia)	NIAID influenza laboratory trainee 2 months	Laboratory director
2009-11	BP Khuntirat (junior	NIAID R01	Mentor

	investigator, physician epidemiologist Thailand)	collaborator	
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

MPH Practicum / MS Preceptorship

<u>Year</u>	<u>Name</u>	<u>Degree Objective</u>	<u>Role</u>
2003	Ann Farmer	MS (epi)	Preceptorship committee
2003	Glenda Dvorak	MPH	Practicum committee
2003	Jamie Johnston	MPH	Practicum committee
2003	Danielle Bickett-Weddle	MPH	Practicum committee
2003	Susan Brockus	MPH	Practicum committee
2003	Ann Peters	MPH	Practicum committee
2003	Katie Steneroden	MPH	Practicum committee
2003	Chris Galeazzi	MPH	Practicum committee
2004	Vaidarshi 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	MPH	Practicum preceptor / committee
2005	Ingrid Trivino	MPH	Arranged practicum in Peru Practicum committee
2005	Ernesto Ortiz	MPH	Arranged practicum in Peru
2005	Lindsay Schulz	MPH	Arranged practicum in Egypt Practicum preceptor / committee
2005	Sam Messer	MPH	Arranged practicum at USAMRIID
2005	Ashley Miller	MPH	Arranged practicum in Egypt Practicum committee
2006	Diana von Stein	MPH	Arranged practicum at USAMRIID
2006	Natalie Rice	MPH	Arranged practicum at USAMRIID
2007	Matt Noble	MPH	Arranged practicum at NAMRU2
2007	Kristin Wyant	MPH	Arranged practicum at NAMRU2
2007	Laura Lee	MPH	Arranged practicum at AFRIMS
2007	Sam Messer	PhD	Arranged practicum at NAMRU2
2007	Laurie Leder	MPH	Arranged practicum at USAMRIID
2007	Erin Moritz-Korolev	PhD	Arranged training at USAMRIID
2008	Adaugo Ndubuisi	MPH	Arranged practicum at University of Nigeria Nsukka

2008	Emma Gelman	MPH	Arranged practicum at National Center Communicable Diseases, Ulaabaatar, Mongolia
2008	Amanda Silberberg	MPH	Arranged practicum at Veterinary Medical Institute, Ulaabaatar, Mongolia
2008	Amanda Irish-Key	BS honors	Arranged summer international training at University of Nigeria Nsukka
2008	Nicole Pearson	MPH	Arranged practicum at Tulcea County Sanitary Veterinary & Food Safety Authority, Tulcea Romania
2009	Brianna Dannon	MPH	Arranged practicum at National Center Communicable Diseases, Ulaabaatar, Mongolia
2010	Sarah Franz	MPH	Arranged practicum at Veterinary Medical Institute, Ulaabaatar, Mongolia
2010	Amando-Jo Joswig	MPH	Arranged practicum at Veterinary Medical Institute, Ulaabaatar, Mongolia

Dissertations/Thesis

<u>Year</u>	<u>Name</u>	<u>Degree Objective</u>	<u>Role</u>
2002-	Kendall Myers	PhD	Dissertation advisor / committee
2003	Julie Wood	MS (epi)	Member, thesis committee
2004-	Mike Parker	MS (epi)	Member, thesis committee
2004	Tina Parker	MS (epi)	Member, thesis committee
2004-5	Sandy Olson (Univ. of WI)	MS	Thesis research advisor / committee
2004-	Sarah Starks	PhD	Member, dissertation committee
2006	Roberto Saenz	PhD	Member, dissertation committee
2005-7	Matt Murphy	PhD	Member, dissertation committee
2006-8	Ghazi Kayali	PhD	Dissertation advisor, Chair, dissertation committee
2006-10	Maggie Chorazy, MS	PhD	Dissertation advisor, Co-Chair, dissertation committee
2009-10	Erin Moritz-Korolev, MS	PhD	Dissertation committee
2007-12	Whitney Baker, MPH	PhD	Dissertation advisor, Chair, dissertation committee

C. Other Advising/Mentoring

<u>Began</u>	<u>Name</u>	<u>Position</u>	<u>Role</u>
2002 summer	George Hightower	Summer Research Opportunities Program (undergraduate)	Mentor
2003 spring	Muhammed Jabang	Fogarty Scholar from The Gambia	Mentor
2003 summer	Edisa Albino	Summer Research Opportunities Program (undergraduate)	Mentor

2003	Emily Wagstron	Laboratory intern (undergraduate)	Mentor
2004 summer	Kendra Grams	Laboratory intern (undergraduate from Coe College)	Mentor
2004 fall	Alexandru Coman	Fogarty Scholar from Romania	Advisor
2005	Jill Dinkla	Laboratory intern (undergraduate)	Mentor
2005	Scott Teesdale	Laboratory intern (undergraduate)	Mentor
2005	Rebecca Milburn	Laboratory intern (undergraduate)	Mentor
2005	Lindsay Bodkins	Laboratory intern (undergraduate)	Mentor
2005	Daniella Moga	Fogarty Scholar from Romania	Advisor
2005	Ernesto Ortiz	Laboratory intern (MPH student)	Mentor
2006	Laura Lee	Laboratory intern (undergraduate)	Mentor
2006	Martha Carvour	Laboratory intern (MD/MPH student)	Mentor
2006	Will Heise	Laboratory intern (MD/MPH student)	Mentor
2006	Phil Van Der Griend	Laboratory intern (MPH student)	Mentor
2006	Sean McGee	Laboratory intern (Biology)	Mentor
2006	Margaret Chorazy	Laboratory intern (PhD student)	Mentor
2006	Brad Randles	Laboratory intern (MD/MPH student)	Mentor
2006	James Bechtel	Laboratory intern (Biochemistry student)	Mentor
2007	Erin Moritz	Laboratory intern (PhD student)	Mentor
2007	Pradeep Bandaru	Laboratory intern (Physics)	Mentor
2007	Emily Funk	Laboratory intern Chemistry & math major, Boston University	Mentor
2007	Meri Good	Laboratory intern UI MPH student	Mentor
2007	Brett Powell	Laboratory intern UI MPH student	Mentor
2007	Taylor Seemuth	Laboratory intern Freshman at ISU	Mentor
2007	Osarumen Okunbor	Laboratory intern Univ of MOi-Columbia, SROP student, Psychology	Mentor
2007	Brandon Alleman	Laboratory intern MD/PhD student	Mentor
2007	Abby Harper	Laboratory intern UI Epi MS student	Mentor
2007	Andrew Oga	Laboratory intern, National Veterinary Research Institute Vom, Nigeria	Mentor
2008	Courtney Cook	Laboratory intern, Epi MS student, Univ of IA CPH	Mentor
2008	Erin Reynolds	Laboratory intern, Epi PhD student, Univ of IA CPH	Mentor
2008	Hsiu-yin Chiang	Laboratory intern, Epi PhD student, Univ of IA CPH	Mentor
2008	Phil Scheibel	Laboratory intern, Biological sciences and psychology undergrad, Univ of IA	Mentor
2008	Eric Elliott	Laboratory intern, Biological sciences, Undergrad, Wheaton College, Wheaton, IL	Mentor
2008	Eric Hawkins	Laboratory intern, Epi MS student, Univ of IA CPH	Mentor
2008	Tracy Lynn MacIntyre	Laboratory intern, Epi MS student, Univ of IA CPH	Mentor
2008	Val Clotey	CEID research assistant Gray RA	Mentor

2008	Nicole Pearson	Laboratory intern, Epi MPH student, Univ of IA, CPH	Mentor
2009	Ipar Zeynep Demir	MS epidemiology student	Laboratory director
2009	Laura Vonnahme	MPH (epi) student,	Laboratory director
2009	Anne Dressler	MS epidemiology student,	Laboratory director
2009	Amanda Irish	Laboratory intern, MPH student	Laboratory director
2009	Lauren Levitz	Laboratory intern, Undergrad at Brown University	Laboratory director
2009	Thomas Heineman	Undergrad Univ of IA / Oxford University, Chemistry major	Laboratory director

D. Other Contributions to Institutional Programs

Institutional Conferences, Grand Rounds, Journal Clubs

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

<u>Year</u>	<u>Title</u>	<u>Location</u>
2003	"Yesterday's Scourge Is Today's Most Feared Bioterrorism Threat" WorkSafe Iowa May 2 nd	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 12 th . Drafted workshop pandemic scenario; scenario facilitator	University Hygienic Laboratory, Ames, IA
2006	"Emerging Infectious Disease Research in the US Midwest" lecture to University of Iowa's Medicus (pre-medical society) Feb 27 th .	University of Iowa
2007	Research Opportunities at the Center for Emerging Infectious Diseases Sept 7 th	Student Research Club, University of Iowa College of Medicine

Teaching Committees

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

Formal Study to Improve Teaching Abilities

<u>Year</u>	<u>Institution</u>	<u>Course Title</u>
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2001	University of Iowa	NexTT Workshops
2002	University of Iowa	NTITLE 2002
2003	University of Iowa	SAS: Data analysis training
2003	University of Iowa	Introduction to Skillsoft
2004	National Center for Biotechnology Information	A Field Guide to GenBank and NCBI Molecular Biology Resources

Local and Regional CME Talks

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

Year	Title	Location
2005	Zoonotic influenza and public health: Why the concern?	Presentation to medical staff, Broadlawns Medical Center, Des Moines, IA, July 21 st
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

E. Course Materials

Epidemiology of Infectious Diseases (173:255) – I direct 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) – With the help of adjunct faculty member Dr. Mike Pentealla, 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 Dr Mike Pentella in 2005. I served as a lecturer until 2008..

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

Applied Infectious Disease Epidemiology (173:159) – I taught this 5-day course at Ohio State University during the summers of 2005 to 2009. The 2 semester hour course includes a practical overview of host factors, environmental factors, and microbiological factors that influence this dynamic field of study. Through lectures and exercises, students are 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. Students are introduced to a wide array of reference material (much of it public) that may help them in practically applying course material. 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.

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.

International Conference of Emerging and Re-emerging Diseases - In April of 2006 I was invited by Dr.Mordorjyn Altankhuu, the Deputy Director for Research, External Cooperation, and Training of the National Center for Communicable Diseases, Ulaanbaatar, Mongolia, to participate in this special conference. I gave 8 one-hour lectures over the 2 days.

An Introduction to Entomology, Zoonotic Diseases, and Food Safety (PHC 6937) - In 2010 I began teaching this 3hr course at the University of Florida. The course uses 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 Reseach training.

III. SCHOLARSHIP

A. Publications or Creative Works

Peer-Reviewed Papers

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.
2. Hyams KC, Okoth FA, Tukei PM, Mugambi M, Johnson B, Morrill JC, Gray GC, Woody JN. The epidemiology of hepatitis in Eastern Kenya. J of Med Vir 1989;28:106-109.
3. Malone JL, Simms TE, Gray GC, Wagner KF, Burge JR, Burke DS. Sources of variability in repeated T-helper lymphocyte counts from human immunodeficiency virus type I infected patients: Total lymphocyte count fluctuations and diurnal cycle are important. J of AIDS 1990;3:144-151.
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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.
6. Struewing JP, Gray GC. An epidemic of respiratory complaints exacerbated by mass psychogenic illness in a military recruit population. Amer J Epidemiol 1990;132:1120-1129.
7. Gray GC, Struewing JP, Clever LG, Kulhenkamp JF. Worst California measles epidemic in twenty-five years - Navy preventive medicine leading California efforts. Navy Medicine 1991;July-August.
8. Gray GC, Escamilla J, Hyams KC, Struewing JP, Kaplan EL, Tupponce AK. Hyperendemic *Streptococcus pyogenes* infection despite prophylaxis with penicillin G benzathine. N Engl J Med 1991; 325:92-97. Summarized in the 1992 Year Book of Medicine and Doctor's Infection Newsletter May 1992.
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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.
15. Rodier G, Sevre JP, Binson G, Gray GC, Said-Salah. Clinical features associated with HIV-1 infection in adult patients diagnosed with tuberculosis in Djibouti, East Africa. Trans Roy Soc Trop Med Hyg 1993;87:667-677.
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, 1981B1991. Amer J Epidemiol 1994;139:793-802.
17. Gray GC, Hyams KC, Wang SP, Grayston JT. *Mycoplasma pneumoniae* and *Chlamydia pneumoniae* strain TWAR infections in U.S. Marine Corps recruits. Milit Med 1994;159:292-294.
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. Letter.
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192. Rainwater KR, Gray GC, Jones FR. Drinking water contamination as a Peruvian military base in the Amazon River basin. University of Iowa 7th Student Interdisciplinary Health Research Poster Session, April 21, 2005, Iowa City, IA
193. Smith B, Smith TC, Corbeil TE, Gray GC, Ryan MK for the Millennium Cohort Study Team. When Epidemiology Meets the Internet: Web-Based Questionnaires. 2005 San Diego Epidemiology Research Exchange, May 6th, 2005, San Diego, CA.
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198. Riddle JR, Smith TC, Smith B, Corbeil TE, Engel CC, Wells T, Hoge C, Adkins J, Zamorski M, Blazer D, for the Millennium Cohort Study Team. Prevalence of Mental Health Morbidity in the US Military: The Baseline Mental Health of the Millennium Cohort. 8th Annual Force Health Protection Conference. Louisville, KY, August 7-12, 2005.
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204. Ramirez A, Capuano AW, Wellman DA, Setterquist SF, Gray GC. Zoonotic Influenza Risk and Personal Protective Devices. International Conference on Emerging Infectious Diseases, Mar 19-22, 2006, Atlanta , GA. PMC1673213.
205. Gill JS, Webby R, Gilchrist MJ, Gray GC. Avian Influenza Infection in Waterfowl Hunters and Wildlife Professionals. International Conference on Emerging Infectious Diseases, Mar 19-22, 2006, Atlanta , GA.
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210. Lebeck M, McCarthy T, Hall N, Russell KL, Erdman DD, Gray GC. Adenovirus Contamination of Surface Water Samples. University of Iowa Research Week Mar 28-31, 2006, Iowa City, IA.
211. Barry-Murphy K, Setterquist S, Gray G, Elliott G, Reid S. Development Of A Novel Immunoassay For The Detection Of Human Metapneumovirus In Clinical Specimens. Clinical Virology Symposium, Clearwater Florida, April 30 - May 3, 2006

212. Gray GC, McCarthy T, Capuano AW, Lynch CF, Wellman DA, Leshner KA, Setterquist SF, Miller NJ, Gillette PAP, Olson CW, Klimov AI, Alavanja MC, Katz JM. Population-based Surveillance for Zoonotic Influenza A in Agricultural Workers. Second North American Congress on Epidemiology, June 21-24, 2006, Seattle, WA.
213. Chu LK, Smith B, Smith TC, Boyko EJ, Gackstetter GD, Gray GC, Heller JM, Weese CB, Ryan MAK, and the Millennium Cohort Study Team. Respiratory Illness in OIF/OEF Deployers of the Millennium Cohort Study. 9th Annual Force Health Protection Conference, August 6 - 11, 2006, Albuquerque, NM.
214. Hall N, Obrien E, Weyer P, Gray G, Field W. Microcystin Toxin and Enterococci Indicator Levels Associated with Freshwater Recreational Waterborne Illness. American Society of Microbiology, 107th General Meeting, May 21 - 25, 2007, Toronto, Ontario, Canada.
215. Davis, M, Kamel F, Hoppin J, Alavanja M, Freeman L, Gray G, McKhann G, Nelson K, Silbergeld EK Neurologic symptoms associated with raising poultry and swine among participants in the Agricultural Health Study APHA 137th Annual Meeting, November 7-11, 2009, Philadelphia, PA.
216. Heil GL, McCarthy T, Yoon KJ, Liu S, Saad MD, Smith CB, Houck JA, Dawson E, Rowlen K, Gray GC. Mchip, a Low Density Microarray, Differentiates Among Seasonal Human H1N1, Classical Swine H1N1, and 2009 Pandemic Influenza A (H1N1). International Symposium on Neglected Influenza Viruses, 3-5 February 2010, Amelia Island, FL.
217. Baker WS, Heil GL, Gray GC. Canine Influenza Virus among Persons Occupationally Exposed to Dogs. International Symposium on Neglected Influenza Viruses, 3-5 February 2010, Amelia Island, FL.
218. Gray GC, Bender JB, Bridges CB, Daly RF, Baker WS, Heil GL, Capuano AW, Gramer MR, Schmitt BJ, Swenson SL, Cox NJ. Pandemic Influenza Virus Among Healthy US Swine Show Pigs. International Symposium on Neglected Influenza Viruses, 3-5 February 2010, Amelia Island, FL.
219. Bender JB, Beaudoin A, Gramer MR, Baker WS, Gray GC. Influenza virus among Midwestern pigs, 2008 – 2009. CSTE, 2010 Annual Meeting, Council of State and Territorial Epidemiologists, June 6-10, 2010
220. Baker WS, Brower A, Gray GC. Evidence for *Brucella canis* Infection among Persons Occupationally Exposed to Dogs. International Conference on Emerging Infectious Diseases, 11-14 July 2010, Atlanta, GA.
221. Vegosen L, Davis M, Silbergeld E, Breyse P, Gray G, Beane Freeman L, Kame F. Occupational Exposure to *Campylobacter jejuni* and Autoimmune Peripheral Neuropathy in Farmers. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 July 2010.
222. Chorazy ML, Lebeck MG, McCarthy TA, Richter SS, Torner JC, Gray GC. Polymicrobial Acute Respiratory Tract Infections Are Common among a Hospital-based Pediatric Population. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 July 2010.
223. Barr KL, Reese K, Heil GL, Gray GC. Recovery of Live Virus from ViveST™ After Storage at Ambient Temperature. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
224. Heil GL, Yondon M, Jamiyan B, Zayat B, Gray GC. Equine Influenza A Epizootic in Mongolia, 2011: Isolation and Characterization of a H3N8 Virus. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
225. Waltzek TB, Cortes-Hinojosa GA, Wellehan JFX, Gray GC. US National Surveillance for Influenza Viruses among Marine Mammals. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.

226. Anderson BD, Barr KL, Heil GL, Friary JA, Gray GC. A Comparison of Viral Fitness and Virulence between Emergent Human Adenovirus 14p1 and Prototype 14p Strains. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
227. Atanasova KR, Hesse RA, Gray GC. Serological Evidence of Human Infection with Porcine Reproductive and Respiratory Syndrome Virus. International Conference on Emerging Infectious Diseases. Atlanta, GA, 11-14 March 2012.
228. Khuntirat B, Yoon LK, Chittagampitch M, Tannitisupawong D, Krueger WS, Supawat K, Blair PJ, Putnam SD, Gibbons RV, Sawanpanyalert P, Heil GL, Friary JA, Gray GC. "Subclinical or Mild Pandemic Influenza A (H1N1) Virus Infection among Adults in Rural Thailand." XIV International Symposium on Respiratory Viral Infections, 23-26 March 2012, Istanbul, Turkey.
229. Wellehan, JFX, Cortes-Hinojosa G, Gulland FMD, Goldstein T, Venn-Watson, S, Gray GC. Walking in the California Sea Lion (*Zalophus californianus*) Adenovirus (OtAdV-2) genome. Florida Marine Mammal Health Conference IV, Sarasota, FL, April 24-27, 2012.

B. Areas of Research Interest/Current Projects

1. Epidemiology of acute respiratory infections
2. Adenovirus
3. Influenza
4. Military Veterans Health
5. Emerging infectious diseases

C. Grants Received

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

Title Source P.I.	% Effort % Support	Direct Funds Period of Funding
Weekly Oral Azithromycin and Benzathine Penicillin G as Agents to Prevent Respiratory Disease Navy Bureau of Medicine & Surgery Role: PI		\$110,000 5/25/94-9/30/95
Risk Factors for Chorioamion Infection and Adverse Pregnancy Outcome Among Active-Duty Military Women and Dependent Women Department of the Army, Defense Women's Health Research Program Gail Cassell-PI Role: Coinvestigator		\$1,000,000 10/95-10/99
An Epidemiological Study of the Immunologic, Bacteriologic and Demographic Risk Factors for Invasive <i>Streptococcus pyogenes</i> Infections Among US Military Personnel Naval Medical Research & Development Command Role: PI		\$160,000 7/1/95-8/30/99
Triservice Adenovirus Isolation and Typing Surveillance Bureau of Medicine and Surgery Role: PI		\$300,000 10/1/96-9/30/97
Department of Defense Infectious Disease Surveillance and Response System Department of Defense/Health Affairs Role: PI		\$400,000 10/1/97-9/30/98
Pilot Study: Surveillance of Birth Defects Among US Naval Health Care Beneficiaries in San Diego County Department of Defense Role: PI		\$300,000 10/1/97-9/30/98
Influenza surveillance Department of Defense Infectious Disease Surveillance and Response System Role: PI		\$117,000 10/1/97-9/30/98
Clinical trial of azithromycin as prophylaxis against bacterial agents causing acute respiratory disease among military trainees Headquarters US Special Operations Command Role: PI		\$48,720 6/23/98-9/30/99
Department of Defense Infectious Disease Surveillance and Response System Department of Defense/Health Affairs Role: PI		\$507,603 10/1/98-9/30/99
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		\$231,117

Title Source P.I.	% Effort % Support	Direct Funds Period of Funding
War Veterans' Illnesses Role: Coinvestigator		5/15/99-9/30/01
VA Cooperative Study 470, A Randomized, Multi-Center, Controlled Trial of Multi-Modal Therapy in Veterans with Gulf War Illnesses Role: PI		\$761,354 5/15/99-9/30/01
Department of Defense Infectious Disease Surveillance and Response System Department of Defense/Health Affairs Gregory Gray-PI		\$650,000 10/1/99-9/30/00
Development of Surveillance Instruments to Evaluate the Health of Military Personnel: Recruit Assessment Program Naval Medical Research Center Role: Coinvestigator		\$291,000 11/18/99-9/30/01
Department of Defense Center for Deployment Health Research Department of Defense/Health Affairs Role: PI		\$9,000,000 10/1/99-5/31/04
DoD-wide Medical Surveillance for Potential Long-Term Adverse Events associated with Anthrax Immunization in Active Duty Service Members, Proposal I: Hospitalizations US Army Medical Research and Material Command Role: Coinvestigator		\$475,174 /1/99-9/30/03
Surveillance of <i>B. pertussis</i> among Military Trainees with Respiratory Disease: Development and Validation of a Highly Sensitive PCR and Beacon Probe-based Method for Diagnosis of Pertussis US Army Medical Research and Material Command Role: PI		\$397,304 11/1/99-10/1/02
Double-Blind Placebo-Controlled Clinical Effectiveness Trial of the 23-Valent Pneumococcal Vaccine Among Military Trainees at High Risk of Respiratory Disease US Army Medical Research and Material Command 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		\$1,260,218 7/1/00-5/31/04

Title Source P.I.	% Effort % Support	Direct Funds Period of Funding
Role: Coinvestigator		
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	variable	\$1,000,000 10/1/03-10/31/04

Title Source P.I.	% Effort % Support	Direct Funds Period of Funding
PI: Michael Apicella Role: coinvestigator		
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 lowans 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	10% 10%	\$1,260,000 08/15/06 - 07/31/11

Title Source P.I. Role: PI	% Effort % Support	Direct Funds Period of Funding
Identifying Risk Factors for Zoonotic Influenza Transmission to Man (Nigeria, Mongolia, Romania) US DoD GEIS Role: PI	10% 10%	\$473,000 (yr1) 10/01/07- (renew annually)
GEIS-University of Florida Certificate in Emerging Infectious Disease Research US DoD GEIS Role: PI	15% 15%	\$466,000 (yr1) 10/01/07- (renew annually)
Swine Influenza at Swine Shows US CDC Role: PI	2% 2%	\$205,500 (yr1) 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 (yr1) 8/1/08-7/31/09
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	5% 5%	\$242,000 08/09/10-08/08/12
Various federal grants and contracts	70%	\$1,812,000 1/1/10-6/30/12

D. 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	31 st Navy Occupational Health and Preventive Medicine Workshop
1989	Risk factors for varicella in the Navy	31 st 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

Year	Title	Organization
1990	Streptococcal disease control program	32 nd Navy Occupational Health and Preventive Medicine Workshop
1990	Varicella (chickenpox) among recruits	32 nd Navy Occupational Health and Preventive Medicine Workshop
1990	Equipping the epidemiologist: Optical scanners, film recorders, and statistical software	32 nd Navy Occupational Health and Preventive Medicine Workshop
1990	The failure of benzathine penicillin G to prevent streptococcal infection among recruits	32 nd 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	34 th Navy Occupational Health and Preventive Medicine Workshop
1993	From the Andes mountain range of Peru to the world's hottest desert of Djibouti: Conducting epidemiologic research for the US Navy	Microbiology Graduate Students and Medical Student Research Society, University of Alabama
1993	Respiratory disease in military populations: Strategies to withstand the changing bacterial threat	Armed Forces Epidemiologic Board
1994	Epidemiologic studies of morbidity among Gulf War veterans: A search for etiologic agents and risk factors	Defense Science Board Task Force
1994	Acute respiratory disease problems	Armed Forces Epidemiologic Board
1994	Update on proposed US Navy Gulf War veteran research studies	Armed Forces Epidemiologic Board
1994	Epidemiologic studies of morbidity among Persian Gulf veterans	National Academy of Science's Committee to Review Health Consequences of Service during the Persian Gulf War
1994	Recent Navy streptococcal and other respiratory disease pathogen epidemiology	Consultation (Workshop) on the Emergence of Streptococcal Toxic Shock-Like Syndrome, National Institutes of Health – Fogarty International Center
1995	Gulf War veteran research	Department of Defense/Health Affairs, The Pentagon
1995	DoD/VA epidemiologic studies of morbidity among Persian Gulf War veterans	36 th Navy Occupational and Preventive Medicine Workshop

Year	Title	Organization
1995	Respiratory disease surveillance: Camp Pendleton, CA	36 th 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	37 th Navy Occupational and Preventive Medicine Workshop
1996	Morbidity among Gulf War veterans	Operational Preventive Medicine Course, Navy Environmental and Preventive Medicine Unit No. 5
1996	Infectious diseases among military trainees – Tropical Medicine Course	Uniformed Services University of Health Sciences
1996	Reproductive health issues and Persian Gulf War service: What I tell veterans who are concerned about having children	Current Concepts of Persian Gulf Veterans' Illnesses, Department of Veterans Affairs
1996	Post-war hospitalization experience of Persian Gulf War veterans	Armed Forces Epidemiological Board
1997	Epidemiologic studies among Persian Gulf War veterans	Government Accounting Team Visit
1997	Epidemiologic studies among Persian Gulf War veterans	UCSD Department of Family & Preventive Medicine, Clinical Epidemiology Conference
1997	Respiratory disease control in military basic training camps	3 rd Annual Uniformed Services Recruit & Trainee Health Care Symposium
1997	Clinical research: A strategy for publishing in the peer-reviewed literature	Keynote Address, Clinical Research Symposium, Naval Hospital
1997	Hospitalization studies among Persian Gulf War veterans	Health Consequences of Persian Gulf Service
1997	Birth defects among children of Persian Gulf veterans	Health Consequences of Persian Gulf Service
1997	Gulf War veteran morbidity	Operational Medicine Preventive Medicine Course, Navy Environmental and Preventive Medicine Unit No. 5
1997	Infectious disease threats to military trainees – Tropical Medicine Course	Uniformed Services University of Health Sciences
1997	Adenovirus surveillance	Armed Forces Epidemiological Board
1997	Gulf War health effects epidemiology: A recap	US Army Preventive Medicine Officer's Symposium
1997	Six presentations	US/UK Gulf Epidemiological Research Meetings
1997	Presentations to representatives of veteran service organizations regarding Goldenhar syndrome research study	The Pentagon
1998	Gulf War research update	39 th Annual Navy Occupational and Preventive Medicine Workshop
1998	DoD respiratory disease surveillance	39 th Annual Navy Occupational and Preventive Medicine Workshop

Year	Title	Organization
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?	NMCS D Womens Health Group, Naval Medical Center San Diego
1999	Illnesses Among Gulf War Veterans: What do the Epidemiological Data Show?	UCSD Biomedical and Clinical Research Center Seminar Series
1999	Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats	UCSD San Diego Epidemiology Monthly Seminar
1999	Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats	2 nd 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

Year	Title	Organization
2000	The DoD global response to emerging infection threats in plenary session III. The shrinking world of global health: When global health issues become local health issues, Prevention 2000	American College of Preventive Medicine
2000	Respiratory Disease Among US Military Personnel: Strategies to Counter Emerging Threats	Southern California American Society of Microbiology Spring Symposium
2000	Illnesses Among Gulf War Veterans: What do the Epidemiological Data Show? Solving Medical Mysteries: Graduate Course: Disease and Causation in Historical Perspective	San Diego State University
2000	Morbidity and other losses associated with the failure of adenovirus vaccine	Armed Forces Epidemiological Board
2000	Adult Adenovirus Infections: Loss of Orphaned Vaccines Precipitates US Military Respiratory Disease	III International Symposium on Respiratory Viral Infections
2001	Respiratory Disease Among US Military Personnel: Responding to Emerging Threats	University of North Carolina, School of Public Health
2001	Respiratory Disease Among US Military Personnel: Responding to Emerging Threats	University of Minnesota, School of Public Health
2001	The Millennium Cohort Study and other New Research Initiatives at the DoD Center for Deployment Health Research	Conference on Illnesses among Gulf War Veterans: A Decade of Scientific Research
2001	Respiratory Disease Among US Military Personnel: Responding to Emerging Threats	University of Texas at Houston, School of Public Health
2001	Respiratory Disease Among US Military Personnel: Responding to Emerging Threats	41 st 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

Year	Title	Organization
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 23 rd , 2003
2003	Adenovirus and Human Metapneumovirus: Emerging Pathogens	Seminar to Peru's Instituto National Salud (INS), Lima, Peru, June 23 rd , 2003
2003	Agents of Bioterrorism and Public Health Response	Broadlawns Medical Center, Des Moines, October 2 nd , 2003
2003	Emerging Infectious Diseases: New Vaccine Strategies Needed	Scientific Seminar, Becton Dickenson, Research Triangle, North Carolina, October 17 th , 2003
2003	Adenovirus an Emerging Pathogens	Molecular Microbiology and Immunology Dept - Johns Hopkins University, December 4 th , 2003
2005	Zoonotic Influenza and Public Health: Why the Concern?	Engaging our Communities, Public Health Seminar Series, The University of Arizona Mel & Enid Zuckerman College of Public Health, Tuscon, AZ, February 1st.
2005	Infectious Disease Threats to the Military	to students in course "Control & Prevention of Infectious Diseases", Uniformed Services University of Health Sciences, Bethesda, MD, February 4th
2005	Zoonotic Influenza and Public Health: Why the Concern?	Preventive Medicine and Biometrics Faculty Seminar, Uniformed Services University of Health Sciences, Bethesda, MD, February 4th
2005	Human adenovirus: An Emerging Pathogen	2005 Association of Public Health Laboratories Infectious Disease Conference, Orlando, FL, March 2-4.
2005	Zoonotic influenza and public health: Why the concern?	55 th Annual Conference on Diseases in Nature Transmissible to Man, College Station, Tex, June 1-3
2005	Adenovirus an Emerging Pathogen	State of the Science on Adenoviruses: Expert Workshop, Manhattan Beach, CA, Sept 26
2005	Adenovirus an Emerging Pathogen	DARPA's Defense Sciences Office, Predicting Health and Disease workshop, Annapolis, MD, November 17-18
2005	Zoonotic Influenza and Public Health: Why the Concern?	Zoonotic Diseases Series, University of Pennsylvania, Philadelphia, PA, Nov 21st
2006	Infectious Disease Threats to the Military	To students in course "Control & Prevention of Infectious Diseases", Uniformed Services University of Health Sciences, Bethesda, MD, February 3 rd
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 28 th -29 th
2006	Avian Influenza and Public Health: How Ready Are We?	The 8 th Annual Occupational Health Symposium – Caring for Workers in the Heartland, Iowa City, IA, Mar 29-31st

Year	Title	Organization
2006	Zoonotic Disease at the Human Animal Nexus: Research at the University of Iowa Center for Emerging Infectious Diseases	Annual Scientific Research Conference “Edmiin Chuulgan 48” of the Health Sciences University, University of Mongolia, Ulaanbaatar, Mongolia, April 24
2006	Avian Influenza and Public Health: Why the Concern?	Iowa Multi-Hazard Bio-Preparedness Symposium, Ames, IA, June 2
2006	The Pandemic Threat of Avian Influenza: An Update for Health Care Professionals	The 14 th Annual Congress on Women’s Health, Hilton Head, SC, June 5.
2006	Research in the Public Eye: Research on Gulf War Illness	Second North American Congress of Epidemiology, June 21-24, Seattle, WA
2006	University of Iowa Research Regarding Zoonotic Influenza	National Commission on Industrial Farm Animal Production, June 28, Des Moines, IA
2006	Zoonotic Disease at the Human Animal Nexus: Research at the University of Iowa Center for Emerging Infectious Diseases	Comparative Biosciences Seminars program at the University of Minnesota, September 13 th .
2006	Adenovirus as an Emerging Pathogen	12 th Annual ID Symposium, St. Francis Health Center, Topeka, KA, December 7th
2006	Emerging Infections	12 th Annual ID Symposium, St. Francis Health Center, Topeka, KA, December 7th
2006	Zoonotic Disease at the Human-Animal Nexus Center for Emerging Infectious Diseases	
2007	Zoonotic Influenza: Agricultural Workers at High Risk of Infection	Visiting Professor, Translational Immunovirology Biodefense Core Program, Mayo Clinic, Rochester, Minnesota, January 8th
2007	Conducting Research at the Human –Animal Nexus	Epidemiology Seminar, University of Michigan, Ann Arbor, MI, March 21 st
2007	Zoonotic Influenza Research	Upper Midwest And Thailand CDC Zoonotic Disease Cooperative Research Center: St. Paul, MN, March 27th
2007	Zoonotic influenza: Agricultural workers at high risk of infection	Pathology Research Lecture Series, University of California at San Diego, April 2 nd
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	Illuminate internet seminar, Agrisafe Network, May 16th
2007	Zoonotic Disease at the Human Animal Nexus: Research at the University of Iowa Center for Emerging Infectious Diseases	National Center for Communicable Diseases, Ulaanbaatar, Mongolia, Ulaanbaatar, Mongolia, April 24

Year	Title	Organization
2007	Zoonotic influenza: Agricultural workers at high risk of infection	International Research in Infectious Diseases. 2007 Annual Meeting, Bethesda, MD, May 31
2007	Human adenovirus: An Emerging Pathogen of Newly Recognized Importance	Special microbiology seminar, US EPA-Cincinnati, Cincinnati, Ohio, August 22, 2007
2007	Zoonotic Disease at the Human Animal Nexus	Midwest Regional Center Excellence for Bioterrorism and Emerging Infectious Diseases, Washington University, St. Louis, MO, August 23, 2007
2007	The Importance of Including Swine and Poultry Workers in Influenza Preparedness Plans	USAHA Committee on Transmissible Diseases of Poultry and Other Avian Species, Reno, Nevada, October 23
2007	Zoonotic Diseases: Their Importance and Neglect	Internal Medicine Grand Rounds. University of Nebraska Medical Center, Omaha, Nebraska, November 16
2007	The University of Iowa Center for Emerging Infectious Disease Research Activities	Iowa Emerging Infectious Diseases Symposium, Dec 6th
2008	Pandemic Influenza: Surveillance and Research Update	2 nd Avian & Pandemic Influenza Training Workshop, GCC Centre for Infection Control & Saudi Society for Public Health, Riyadh, Saudi Arabia, Jan 5 th
2008	Zoonotic influenza: Agricultural workers at high risk of infection	2 nd 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

Year	Title	Organization
2008	Zoonotic Influenza Transmission to Man	International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, May 15-16
2008	Zoonotic Diseases: Their Importance and Neglect	University of Florida, Emerging Pathogens Institute Seminar, Gainesville, FL, June 11th
2008	Pandemic Influenza Planning: Shouldn't Swine and Poultry Workers Be Included?	Keynote Symposium: Poultry Science Association 97 th Annual Meeting, Niagara Falls, Canada, July 20th
2008	Veterinarian's Risk of Zoonotic Infections	Forum on Prevention for One Health-One Medicine at the 145 th AVMA Annual Convention, New Orleans, LA, July 22 nd .
2008	Emerging Respiratory Virus Threats: An Update	Clinical Didactic Series, Pathology Department, University of Iowa College of Medicine, Iowa City, IA, October 29 th .
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 15 th , 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.

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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

<u>Year</u>	<u>Title</u>	<u>Organization</u>
2012	The One Health Initiative: A Promising Approach to Difficult Public Health Problems	One Health: Environmental Health Considerations for Global Emerging Infectious Diseases and Illnesses, Denver, CO, June 12
2012	The One Health Initiative: A Promising Approach to Difficult Public Health Problems	School of Veterinary Medicine, China Agricultural University, Beijing, China, June 18
2012	The One Health Initiative: A Promising Approach to Difficult Public Health Problems	Beijing Institute of Microbiology and Epidemiology, Beijing, China, June 19
2012	Research at the University of Florida	Institute of Viral Disease Control and Prevention, China Center for Communicable Diseases, Beijing, China, June 21
2012	The One Health Initiative: A Promising Approach to Difficult Public Health Problems	One Border One Health, San Diego, CA, July 26th
2012	Swine Influenza	University of Florida Animal Care Services Staff, August 29
2012	The One Health Initiative: A Promising Approach to Difficult Public Health Problems	4 th International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, Sept 6-7.
2012	Emerging Influenza Virus Threats: An Update	Grand Rounds, Internal Medicine Department, College of Medicine, University of Florida. Gainesville, FL, October 25 th .
2012	Emerging Influenza Virus Threats: An Update	Dean's Lecture, University of South Florida, Tampa, FL, November 1 st , 2012

Conference Presentations/Posters

Year Title Organization

Visiting Professorships

<u>Year</u>	<u>Location</u>
1998	Received Brooke Visiting Professorship from the Epidemiology & Public Health Medicine Section of the Royal Society of Medicine (London) for epidemiological work among Gulf War veterans
2002	Iowa Lutheran Hospital, Des Moines, Iowa, September 12 th
2003	North Iowa Mercy Health Center, Mason City, Iowa, April 16 th
2006	North Iowa Mercy Health Center, Mason City, Iowa, November 8 th
2007	Translational Immunovirology Biodefense Core Program, Mayo Clinic, Rochester, Minnesota

IV. SERVICE

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

1. *Editorships/Boards*

<u>Year</u>	<u>Publication</u>
2007-12	Board member, International Society for Influenza and Other Respiratory Virus Diseases

2008-	Associate Editor, <i>Journal of Infection and Public Health</i>
2008-11	Editorial Board, <i>Journal of Clinical Virology</i>
2010-	Board of Advisors, Board on the Health of Select Populations, Institute of Medicine
2010-	Medical Follow-up Agency Advisory Committee, Institute of Medicine
2011-	USA Councilor, Edward Jenner Society
2011-	Editorial Board, <i>Journal Influenza and Other Respiratory Viruses</i>

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2. *Review Panels*

<u>Year</u>	<u>Title</u>
1997	Special Emphasis Panel to review and rate proposals to conduct studies of illnesses among Persian Gulf War veterans, National Center for Environmental Health, Centers for Disease Control and Prevention
1997	Planning Committee for VA's national health survey of Persian Gulf veterans and their families
	Executive Committee for VA Cooperative Study #458, National Health Survey of Gulf War era veterans and their families – Phase III Physical Examinations
1999	Department of Veterans Affairs Gulf War Field Advisory Group
2000	Meeting on the Prevention of Invasive Group A Streptococcal Infections, Centers for Disease Control and Prevention
2000	NASA, Mars Sample Handling Protocol Workshop Series
2002-	Institute of Medicine's Advisory Panel for the Study of Long-term Health Effects of Participation in Project SHAD (Shipboard Hazard and Defense)
2002-	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

3. *Departmental, Collegiate or University Service Positions*

<u>Year</u>	<u>Position</u>
2003-	Global Health Studies Program (GHSP) Executive Committee
2003-4	College of Medicine, College of Public Health, Veterans Administration Research Week Organization Committee for 2004
2003-4	College of Public Health Scholarly Productivity Task Force
2003-	College of Public Health Research Council
2003-6	College of Public Health Faculty Council
2004-5	College of Public Health Faculty Promotion and Tenure Committee
2003-5	Faculty Productivity Task Force
2004-5	College of Public Health Security Committee
2006-9	MPH Admissions Committee
2006-7	Influenza Pandemic Preparedness Committee
2007-9	Faculty Review Committee
2008-2009	Iowa Center of Birth Defects Research and Prevention Executive Committee

4. *Professional Organizations (state and/or national)*

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1986-	American Society of Tropical Medicine and Hygiene	Member

2004		
1989-	American Society of Microbiology	Member
1989-	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	European Society for Clinical Virology	Member

B. Other Professional Service

1. *Referee 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

2. *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

<u>Year</u>	<u>Title</u>
	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 6 th , Iowa City, IA
2008	Organized an International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, May 15-16, 70 participants from 5 countries attended
2008	Assisted in organizing Iowa Emerging Infectious Disease Symposium, Dec 6 th , Ames, IA
2009	Key organizer, International Symposium on Emerging Infectious Diseases, Ulaanbaatar, Mongolia, July 9-10, 2009
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, 2010

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

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

4. *State or National Committees*

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

5. *Professionally Relevant Community Involvement*

<u>Year</u>	<u>Activity</u>
2002	Agents of Bioterrorism We are Most Likely to Encounter -Community Education session, Mercy Medical Center, Dyersville/Tri-State Occupational Health Dyersville, IA September 4 th
2002	Agents of Bioterrorism We are Most Likely to Encounter -Community Education – Presentation to Iowa City’s “The Club” Iowa City, IA, September 24 th
2002	Iowa City radio talk show on bioterrorism WSUI “Iowa Talks” , November 15 th , 2001
2003	Epidemiology: Adventures in Serving Populations – Presentation to AP biology students, West High School, Iowa City, IA, February 12 th
2004	“Bird Flu and Human Health: Why the Concern?” An Educational Outreach Program Co-Sponsored by the UI College of Public Health, the UI Alumni Association, and the Hawkeye Community College, Waterloo, IA, Oct 19 th
2005	Avian influenza and public health: Why the concern? 43 rd annual Junior Science and Humanities Symposium (200 high school students), Sheraton, Iowa City, February 24 th .
2005	Avian influenza and public health: Why the concern? Biology Undergraduate Society, University of Iowa. Mar 28 th
2005	Avian influenza and public health: Why the concern? Education and Training Advisory Committee (EdTrAC), Des Moines, IA Sept 8th
2005	Center of Emerging Infectious Diseases Activities, Talk of Iowa, AM930, Radio Show Interview
2005	Bird flu and public health: Why the concern? Iowa Western Community College in Council Bluffs October 19 th
2005	Bird flu and public health: Why the concern? Iowa Anti-Terrorism Advisory Council Meeting (ATAC) meeting in Cedar Rapids, Iowa November 8th
2006	Science and Overview of Pandemic Influenza at the Pandemic Influenza: Human and Animal Impacts. A Multi-Disciplinary Workshop. Ankeny, IA January 12th
2006	Bird flu and public health: Why the concern? Calculus students, Regina HS, Iowa City, IA, Jan 17 th .
2006	Risk of Pandemic Influenza and Course of Disease. Cedar Rapids Area Chamber of Commerce, Cedar Rapids, IA, Sept 28 th .
2006	Pandemic Influenza and Public Health: Why the Concern? State Health Registry of Iowa Staff Meeting, Iowa City, IA, August 31 st
2008	The Pandemic Threat of Avian Influenza: An Update for Health Care Professionals Midwestern Conference Health Care in the Elderly, Iowa City, IA, January 24th
2010	Zoonotic Diseases: Their Importance and Neglect, University of Florida Pre-Med AMSA students, March 24 th
2011	Examples of Environmental & Global Health Research, Sunrise Rotary Club, Oct 6, 2011

6. *Professional Consulting*

<u>Year</u>	<u>Organization</u>	<u>Role</u>
2001	Dynport Vaccines, Inc.	Consultant for Research Proposal

2001	GEO Centers. Inc.	Review of Research Protocols
2006-7	Duramed, Inc.	Data Management Committee for adenovirus vaccines
2006	CSL Biotherapies	Scientific Advisory Board for influenza vaccine

7. *Other*

<u>Year</u>	<u>Activity</u>	<u>Role</u>
2007	July 5-6 th , Prevention and Control of Avian Influenza in US" (AICAP, www.aicap.umd.edu), Cooperative Agricultural Projects (CAP) currently funded by the CSREES-USDA	Reviewed and scored research proposals