

CURRICULUM VITAE

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EDUCATION

Undergraduate	University of Rochester, Rochester, NY, Bachelor of Arts <i>cum laude</i> in Political Economy of Labor, 1981
Medical School	Tufts University School of Medicine, Boston, MA, Doctor of Medicine, 1986
Honorary	Brown University, Providence, RI, M.A. (ad eundem), 2003

POSTGRADUATE TRAINING

Internship	Walter Reed Army Medical Center, Washington, DC, 20307- 5001 (Keith K. Hunt, M.D., Chief, Department of Medicine), Internal Medicine, 1986-1987
Residency	Walter Reed Army Medical Center, Washington, DC, 20307 (Keith K. Hunt, M.D., Chief, Department of Medicine), Internal Medicine, 1987-1989
Fellowship	Walter Reed Army Medical Center, Washington, DC, 20307 (Charles N. Oster, M.D., Chief, Infectious Diseases Service), Infectious Diseases, 1990-1993
	Graduate Study in Tropical Medicine, Walter Reed Army Institute of Research, Washington, DC, 20307, 1993

POSTGRADUATE HONORS AND AWARDS

The Heights Research Fellowship Award, presented by The Heights Foundation, 1976

Alpha Omega Alpha Honor Medical Society (selected in junior year of medical school), presented by Tufts University School of Medicine, 1984

Hewlett-Packard Top Medical Graduate Award, presented by Tufts University School of Medicine, 1986

Bailey K. Ashford Research Award, semi-finalist, presented by Walter Reed Army Medical Center, 1993

Community Service Award, presented by PAACA (Positive Action Against Chemical Addiction), 2001

Dean's Teaching Excellence Award, presented by Brown Medical School, July 2002

Teaching Recognition Award, presented by the American Academy of Family Physicians, 2002

Dean's Teaching Excellence Award, presented by Brown Medical School, June 2004

Department of Medicine Chairman's Award for Outstanding Teaching, presented by Brown Medical School, May 2005

Teaching Recognition Award, presented by the American Academy of Family Physicians, 2005

Teaching Recognition Award, presented by the American Academy of Family Physicians, 2006

Dean's Teaching Excellence Award, presented by The Warren Alpert Medical School of Brown University, June 2007

Dean's Teaching Award, presented by The Warren Alpert Medical School of Brown University, June 2008

Dean's Excellence in Teaching Award, presented by The Warren Alpert Medical School of Brown University, June 2011

The Arthur M. Phillips, MD Mentorship Award, The Internal Medicine Residency Program, Memorial Hospital of Rhode Island, The Warren Alpert Medical School of Brown University, June 2012

MILITARY SERVICE

Branch: U.S. Army Medical Corps, 1986-1996, Honorable Discharge
Rank: Major
Assignments: Officer's Basic Course, Fort Devens, MA, 1983
Combat Casualty Care Course, Fort Sam Houston, TX, 1987
Walter Reed Army Medical Center, 1986-1993
Walter Reed Army Institute of Research, 1993-1996

Decorations: Army Service Medal, 1983
National Defense Service Medal, 1991
Army Commendation Medal, 1991
Army Superior Unit Award, 1992
Armed Forces Reserve Medal, 1992
Army Achievement Medal, 1993
Army Achievement Medal, first oak cluster, 1993
Army Achievement Medal, second oak cluster, 1996
Army Commendation Medal, first oak cluster, 1996

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

National Board of Medical Examiners, part I:	1984
National Board of Medical Examiners, part II:	1986
National Board of Medical Examiners, part III:	1987
American Board of Internal Medicine:	1989 (valid indefinitely)
Infectious Diseases, subspecialty of American Board of Internal Medicine:	1994
Infectious Diseases Recertification	2004

Maryland Medical License, 1986, inactive status
Maryland CDS License, 1986, inactive status
Maryland DEA Registration, 1986, inactive status
Massachusetts Medical License, 1996 -
Massachusetts Controlled Substances Registration, 1996 -
Massachusetts DEA Registration, 1996-2005
Rhode Island Medical License, 2001 -
Rhode Island Controlled Substances Registration, 2001 -
Rhode Island DEA Registration, 2002 -

ACADEMIC APPOINTMENTS

Teaching Fellow in Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD, 1987-1989

Instructor, Uniformed Services University of the Health Sciences, Bethesda, MD, 1989-1993

Assistant Professor of Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD, 1993-1996

Clinical Assistant Professor of Medicine, Brown Medical School, Providence, RI, 1996-2002

Associate Professor of Medicine, Division of Infectious Diseases, Brown Medical School, Providence, RI, 2002-2005

Acting Program Director, Brown Infectious Diseases Fellowship Program, Brown Medical School, Division of Infectious Diseases, 2002-2003

Associate Professor of Medicine and Community Health, Brown Medical School, Providence, RI, 2005-2009

Professor of Medicine and Professor of Health Services, Policy and Practice, The Warren Alpert Medical School of Brown University, Providence, RI, 2009 -

HOSPITAL APPOINTMENTS

Chief of Medical Residents and Attending Staff, Department of Medicine, Walter Reed Army Medical Center, Washington, DC, 1989-1990

Attending Physician, Infectious Diseases Service, Walter Reed Army Medical Center, Washington, DC, 1993-1996

Consultant, Infectious Diseases, National Naval Medical Center, Bethesda, MD, 1994-1996

Night Coverage Physician, Montgomery General Hospital, Olney, MD, 1994-1996

Consultant, Infectious Diseases, Charlton Memorial Hospital, Fall River, MA, 1996-1999

Attending Physician and Consultant in Infectious Diseases, St. Luke's Hospital, New Bedford, MA, 1996-2001

Consultant and Investigator, Miriam Hospital Immunology Center, Clinical Trials Group, Providence, RI, 1996-2003

Chief of Infection Control and Consultant, Infectious Diseases, Mediplex Rehabilitation Hospital, New Bedford, MA, 1998-2001

Active Medical Staff Attending Physician, Department of Medicine, Division of Infectious Diseases, Memorial Hospital of Rhode Island, Pawtucket, RI, 2001-2012

Founding Director, Center for Biodefense and Emerging Pathogens at Memorial Hospital of Rhode Island, Pawtucket, RI, 2001-

Physician-in-Chief, Department of Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, 2004-2012

Chair, Pandemic Influenza Executive Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2006-2012

Incident Commander, Pandemic Influenza Response, Memorial Hospital of Rhode Island, Pawtucket, RI, 2009-2012

OTHER APPOINTMENTS

Principal Scientist and Head, Section of Protective Immunity, Department of Vaccines for HIV-1 Prevention, Division of Retrovirology, Walter Reed Army Institute of Research, Washington, DC, 1993-1996

Primary Care Physician and Consultant in Infectious Diseases, Hawthorn Medical Associates, LLC, North Dartmouth, MA, 1996-2001

Medical Director, Community Nurse Association and Hospice, Fairhaven, MA, 1996-2001

Executive Committee, New Bedford Against Drugs, Committee of the United Way of New Bedford, New Bedford, MA, 1997-2002

Medical Director, Sunbridge Nursing Home and Rehabilitation Center, New Bedford, MA, 1998-2000

Medical Executive Committee, Hawthorn Medical Associates, LLC, New Bedford, MA, 1998-2000

Medical Records Committee, Hawthorn Medical Associates, LLC, New Bedford, MA, 1998-2000

Research Director, Southern New England Clinical Studies, LLC, New Bedford, MA, 1999-2001

Invited Consultant: Bioterrorism and Biodefense, Division of Infectious Diseases at Washington Hospital Center, Washington, DC, November 9-13, 2001

Consultant, Bioterrorism and Chemical Weapons, Rhode Island Department of Health, 2001-2012

Bioterrorism Consultant, "Team Hope Exercise", Statewide Terrorism Field Exercise, Rhode Island Department of Health, June 11-12, 2002

Scientific Steering Committee, New England Regional Center of Excellence in Biodefense and Emerging Infectious Diseases (NERCE), Harvard Medical School, granted by the National Institute of Health, Boston, MA, 2003-2011

Consultant, Providence Fire Department, 2006-2009

Editorial Boards:

Editorial Advisory Board, *Journal of Infectious Diseases*, 2006 -
Associate Editor, *Vaccine* 2012 -

Reviewer:

All Current *AIDS Research and Human Retroviruses*
 American Family Physician
 Archives of Internal Medicine
 Clinical Infectious Diseases
 International Journal of Infectious Diseases
 Journal of Infectious Diseases
 New England Journal of Medicine
 Expert Reviews of Anti-infective Therapy
 Vaccine

Reviewer for Textbook:

Textbooks of Military Medicine: Medical Aspects of Biological Warfare.
In: Dembek ZF, ed. Office of The Surgeon General, Department of the
Army: Falls Church, VA and Borden Institute Walter Reed Army Medical
Center: Washington DC, 2007

PATENT

Bandaging Device for Sequestering a Wound or Inoculation Site, 2007, U.S. Patent
Office, Patent No. 7,265,256

HOSPITAL COMMITTEES

Hospital Medical Records Committee, Walter Reed Army Medical Center, 1989-1990

Quality Assurance Committee, Department of Medicine, Walter Reed Army Medical
Center, 1989-1990

Medical Education Committee, Department of Medicine, Walter Reed Army Medical
Center, 1989-1990, 1991-1992

Pharmacy and Therapeutics Committee, St. Luke's Hospital, New Bedford, MA, 1999-
2001

Infection Control Committee, St. Luke's Hospital, New Bedford, MA, 2000-2001

Chair, Infection Control Committee, Medplex Rehabilitation Hospital, New Bedford, MA, 2000-2001

Hospital Emergency Preparedness Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2001-2012

Graduate Medical Education Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2002-2012

Executive Committee of Staff, Memorial Hospital of Rhode Island, Pawtucket, RI, 2004-2012

Chairman, Department of Medicine Morbidity and Mortality Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2004-2012

Co-Chairman, Performance Improvement Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2004-2012

Special Fund Development Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2004-2012

Kenny Research Day Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2005-2012

Chairman, Pandemic Influenza Planning Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2006-2012

Patient Safety Committee, Memorial Hospital of Rhode Island, Pawtucket, RI, 2007-2008

UNIVERSITY COMMITTEES

Co-chair, Brown Infectious Diseases Committee on Biological Defense and Emerging Pathogens (BDEP Committee), Brown Medical School, Providence, RI, 2001

Brown University SARS Taskforce, Brown Medical School, Providence, RI, 2003

Infectious Diseases Fellowship Education Committee, Brown Medical School, Providence, RI, 2002-2004

Biosafety Lab 3 (BSL3) Facility Committee, Brown Medical School, Providence, RI, 2003-2004

Consultant, The Core Crisis Team/Flu Pandemic Planning Committee, Brown University, Providence, RI, 2005-2012

PhD Thesis Committee, Biomedical Engineering, Brown University, Providence, RI, 2006-2012

The Medicine Mentoring Committee, Department of Medicine, Brown Medical School, Providence, RI, 2006-2012

Member, Brown Medical School Admissions Committee, Brown University, Providence, RI, 2005-2007

Vice Chairman, The Warren Alpert Medical School of Brown University Admissions Committee, Brown University, Providence, RI, 2007-2012

Member, BioMed Dean Search Advisory Committee reporting to the Provost, The Warren Alpert Medical School of Brown University, Providence, RI, 2007-2008

Vice-Chair, Medical Faculty Executive Committee, The Warren Alpert Medical School of Brown University, Providence, RI, 2010–2011

Chair, Medical Faculty Executive Committee, The Warren Alpert Medical School of Brown University, Providence, RI, 2011–2012

Member, Infectious Disease Division Director Search Committee, The Warren Alpert Medical School of Brown University, Providence, RI, 2011-2012

NATIONAL COMMITTEES

Consultant on Biological Weapons, “ER One” Project, sponsored by Washington Hospital Center the Office of Emergency Preparedness, Washington, DC, (Designing the Emergency Room of the next century which will be capable of safely caring for patients with bioterrorism and chemical warfare injuries) , 2001-2003

Scientific Review Study Section, National Institute on Drug Abuse, National Institute of Health, RFA 03-002 - “Enhancing HIV Vaccine Efficacy in High-Risk Drug Users”, Bethesda, MD, 2003

Special Emphasis Panel, National Institute of Allergy & Infectious Diseases, National Institutes of Health, NOT-AI-04-044 – “Biodefense Countermeasure Development: Project Bioshield”, Bethesda, MD, 2004

Special Emphasis Panel, National Institute of Allergy & Infectious Diseases, National Institutes of Health, RFA-04-029 – “Challenge Grants: Biodefense Project Development”, Bethesda, MD, 2005

Special Emphasis Panel, National Institute of Allergy & Infectious Diseases, National Institutes of Health, RFA-06-035 – “Partnerships into therapeutics and Diagnostics for BioD Toxins (U01)”, Bethesda, MD, 2007

Chairman, Data Safety Monitoring Board, Juvaris BioTherapeutics Inc, H-100-001 – “Randomized, double blind, controlled Phase 1 trial of the safety, tolerability and immunogenicity of JVRS-100 adjuvant at ascending dose levels administered with Fluzone® inactivated trivalent influenza virus vaccine”, Pleasanton, CA, 2007

Special Emphasis Panel, National Institute of Allergy & Infectious Diseases, National Institutes of Health, RFA-08-001 – “Cooperative Research Partnerships for Biodefense and Emerging Infectious Diseases (U01)”, Bethesda, MD, 2008

Expert Panel, Centers for Disease Control and Prevention, “Anthrax Clinical Management”, Boston, MA, 2011

MEMBERSHIP IN SOCIETIES

Greater Washington Infectious Diseases Society, Member, 1990-1996
American Federation of Clinical Research, Associate, 1992-1996
Armed Forces Infectious Disease Society, Member, 1994-1996
Massachusetts Medical Society, Member 1996-2001
American Medical Association, Member 1996 -
American College of Physicians, Associate 1986, Member 1990, Fellow 1995 -
Infectious Diseases Society of America, Associate 1992, Member 1996, Fellow 2006 -
American Academy of HIV Medicine, Specialist, 2000-2008
USA Boxing Physician Member (#2027860028), 2000 -
Rhode Island Medical Society, Member 2002 -
Pawtucket Medical Society, Member 2004 -
American Association for the Advancement of Science, Member 2007 -
Association of Chairs and Chiefs of Medicine, Member 2008-2011
Association of Program Directors in Internal Medicine 2011 -
Alliance for Academic Internal Medicine 2011 -

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Artenstein AW**, Of swine and men: a study of pandemic influenza. *The Heights Journal* 1976;2:13-18.
2. **Artenstein AW**, Cross AS. Aminoglycosides inhibit endotoxin reactivity. *J Antimicrob Chemother* 1989;24:826-828.
3. **Artenstein AW**, Hicks CB, Goodwin BS, Hilliard JK. Human B virus infection following a needlestick injury. *Rev Infect Dis* 1991;13:188-191.
4. Goldman DP, **Artenstein AW**, Bolan CD. Human ehrlichiosis: A newly recognized tick-borne illness. *Am Fam Phys* 1992;46:199-208.
5. **Artenstein AW**, Poropatich RK, Rowe JE. Cryptococcal disease presenting as a cutaneous lesion in a patient with sarcoidosis. *Infect Dis Clin Pract* 1993;2:116-118.
6. **Artenstein AW**, Eiseman AS, Campbell GC. Chronic dacryocystitis caused by *Mycobacterium fortuitum*. *Ophthalmology* 1993;100:666-668.
7. **Artenstein AW**, Cross AS. Serious infections caused by *Pseudomonas aeruginosa*. *J Intensive Care Med* 1994;9:34-51.

8. Cross AS, **Artenstein AW**, Que J, Fredeking T, Furer E, Sadoff JC, Cryz, SJ Jr. Safety and immunogenicity of a polyvalent Escherichia coli vaccine in human volunteers. *J Infect Dis* 1994;170:834-40.
9. VanCott TC, Bethke FR, **Artenstein AW**, McCutchan FE, McNeil JG, Mascola JR, Redfield RR, Birx DL. Serotyping international HIV-1 isolates by V3 peptides and whole gp160 proteins using BIAcore. *Methods: Companion Methods Enzymol* 1994;6:188-98.
10. **Artenstein AW**, Fritzingler D, Gasser RA, Skillman LP, McEvoy PL, Hadfield TL. Infection due to Mycobacterium haemophilum identified by whole cell lipid analysis and nucleic acid sequencing. *Clin Infect Dis* 1994;19:1155-7.
11. **Artenstein AW**, VanCott TC, Mascola JR, Carr JK, Hegerich PA, Gaywee J, Sanders-Buell E, Robb ML, Dayhoff De, Thitivichianlert S, Nitayphan S, McNeil JG, Birx DL, Michael RA, Burke DS, McCutchan FE. Dual infection with human immunodeficiency virus type 1 of distinct envelope subtypes in humans. *J Infect Dis* 1995;171:805-810.
12. **Artenstein AW**, Kim JH, Williams WJ, Chung RC. Isolated peripheral tuberculous lymphadenitis in adults: Current clinical and diagnostic issues. *Clin Infect Dis* 1995;20:876-882.
13. **Artenstein AW**, Coppola J, Brown AE, Carr JK, Sanders-Buell E, Galbarini E, Mascola JR, VanCott TC, Schonbrood P, McCutchan FE. Multiple introductions of HIV-1 subtype E into the Western Hemisphere, *Lancet* 1995;346:1197-8.
14. Brodine SK, Mascola JR, Weiss PJ, Ito S, Porter KR, **Artenstein AW**, Garland FC, McCutchan FE, Burke DS. Detection of diverse HIV-1 subtypes in the United States, *Lancet* 1995;346:1198-9.
15. **Artenstein AW**, Hegerich PA, Beyrer C, Rungruenthanakit K, Michael NL, Natpratan C. Sequences and phylogenetic analysis of the nef gene from Thai subjects harboring subtype E HIV-1. *AIDS Res Hum Retroviruses* 1996;12:557-560.
16. McCutchan FE, **Artenstein AW**, Sanders-Buell E, Salminen MO, Carr JK, Mascola JR, Yu XF, Nelson KE, Khamboonruang C, Schmitt D, Kieny MP, McNeill JG, Burke DS. Diversity of the envelope glycoprotein among human immunodeficiency virus type 1 (HIV-1) isolates of clade E from Asia and Africa. *J Virol* 1996;70:3331-8.
17. **Artenstein AW**, Ohl CA, VanCott TC, Hegerich PA, Mascola JR. Transmission of HIV-1 subtype E in the United States. *JAMA* 1996;276:99-100.
18. Carr JK, Salminen MO, Koch C, Gotte D, **Artenstein AW**, Hegerich PA, St Louis D, Burke DS, McCutchan FE. Full length sequence and mosaic structure of a human immunodeficiency virus type-1 (HIV-1) isolate from Thailand. *J Virol* 1996;70:5935-43.
19. Gaywee J, **Artenstein AW**, VanCott TC, Trichavaroj R, Sukchamnonng A, Amlee P, de Souza M, McCutchan FE, Carr JK, Markowitz LE, Michael R, Nittayaphan S. Correlation of

genetic and serologic approaches to HIV-1 subtyping in Thailand. *J Acquir Immune Defic Syndr and Hum Retrovirol* 1996;13:392-6.

20. **Artenstein AW**, VanCott TC, Sitz KV, Robb ML, Wagner KF, Veit SC, Rogers AF, Garner RP, Byron JW, Burnett PR, Birx DL. Mucosal immune responses in four distinct compartments of women infected with human immunodeficiency virus type 1: A comparison by site and correlation with clinical information. *J Infect Dis* 1997;175:265-71.
21. de Souza M, Song M-S, Carr JK, Sanders-Buell E, Shin Y, **Artenstein AW**, Lee H, McCutchan FE, Brown AE. HIV-1 subtypes A and B isolated from the Republic of Korea. *AIDS* 1997;11:389-91.
22. Rodriguez RJ, Dayhoff DE, Chang G, Cassol SA, Birx DL, **Artenstein AW**, Michael NL. Comparison of serum and plasma viral RNA measurements in primary and chronic human immunodeficiency virus type 1 infection. *J Acq Immune Def Syndr and Hum Retrovirol* 1997;15:49-53.
23. Beyrer C, **Artenstein A**, Kunawararak P, VanCott T, Mason C, Rungreungthanakit K, Hegerich P, Nelson KE, Khamboonruang C, Natpratan C. The molecular epidemiology of HIV among male sex workers in northern Thailand. *J Acq Immune Def Syndr and Hum Retrovirol* 1997;15:304-7.
24. Beyrer C, VanCott TC, Peng NK, **Artenstein A**, Duriasamy G, Nagaratnam M, Saw TL, Hegerich PA, Loomis-Price LD, Hallberg PL, Ettore CA, Nelson KE. HIV type 1 subtypes in Malaysia, determined with serologic assays: 1992-1996. *AIDS Res Hum Retroviruses* 1998;14:1687-91.
25. Beyrer C, **Artenstein AW**, Rungpao S, VanCott TC, Robb ML, Rinkaew M, Birx DL, Khamboonruang C, Zimmerman PA, Nelson KE, Natpratan C. Epidemiologic and biologic characterization of a cohort of human immunodeficiency virus type 1 highly exposed, persistently seronegative female sex workers in northern Thailand. *J Infect Dis* 1999;179:59-67.
26. **Artenstein AW**, VanCott TC. Collection and processing of mucosal secretions from HIV-1 infected women. *Methods Mol Med* 1999;17:323-7.
27. Williams SB, Flanigan TP, **Artenstein AW**, VanCott TC, Smith D, Mayer K, Kroup RA. CCR5 genotype and human immunodeficiency virus (HIV)-specific mucosal antibody in seronegative women at high risk for HIV infection. *J Infect Dis* 1999;179:1310-2.
28. **Artenstein AW**, Neill MA, Opal SM. The early recognition and management of infection by agents of bioterrorism. *Med Health RI* 2001;84:19-22.
29. **Artenstein AW**, Neill MA, Opal SM. Bioterrorism and Physicians. *Med Health RI* 2002;85:74-7.
30. **Artenstein AW**, Neill MA, Opal SM. Bioterrorism and Physicians. *Ann Intern Med* 2002;137:626.

31. Williams SB, Flanigan TP, Cu-Uvin S, Mayer K, Williams P, Ettore CA, **Artenstein AW**, Duerr A, Vancott TC. Human immunodeficiency virus (HIV)-specific antibody in cervicovaginal lavage specimens obtained from women infected with HIV type 1. *Clin Infect Dis* 2002;35(5):611-17.
32. **Artenstein AW**. Smallpox vaccination. *N Engl J Med* 2003;348:1925.
33. **Artenstein AW**. Biodefense: Medicine in the Time of Bioterrorism. *Med Health RI* 2003;86:201-3.
34. **Artenstein AW**, Opal SM, Cristofaro P, Palardy JE, Parejo NA, Green MD, Jung JW. Chloroquine enhances survival in *Bacillus anthracis* intoxication. *J Infect Dis* 2004;190:1655-60.
35. **Artenstein AW**, Opal JM, Opal SM, Tramont EC, Peter G, Russell PK. History of U.S. Military contributions to the study of vaccines against infectious diseases. *Mil Med* 2005;170(Suppl 4):3-11.
36. **Artenstein AW**, Johnson C, Marbury TC, Morrison D, Blum PS, Kemp T, Nichols R, Balsler JP, Currie M, Monath TP. A novel, cell culture-derived smallpox vaccine in vaccinia-naïve adults. *Vaccine* 2005;23:3301-9.
37. Opal SM, **Artenstein AW**, Cristofaro PA, Jung JW, Palardy JE, Parejo NA, Lim Y-P. Inter-alpha inhibitor proteins are endogenous furin inhibitors and provide protection against experimental anthrax intoxication. *Infect Immunity* 2005;73:5101-05.
38. **Artenstein AW**. Anthrax: From antiquity to answers. *J Infect Dis* 2007;195:471-3.
39. McCamley MK, Ravnik M, **Artenstein AW**, Opal SM, Zumer S, Crawford GP. Optical detection of anchoring at free and fluid surfaces using a nematic liquid crystal sensor. *Appl Phys Lett* 2007;91:141916.
40. Summerhill EM, Mathew MC, Stipho S, **Artenstein AW**, Jagminas L, Russo-Magno PM, Potter S, Shapiro MJ. A simulation-based biodefense and disaster preparedness curriculum for internal medicine residents. *Med Teach* 2008;30(6):e145-51.
41. Kerby MB, Freeman S, Prachanronarong K, **Artenstein AW**, Opal SM, Tripathi A. Direct sequence detection of structured H5N1 influenza viral RNA. *J Mol Diagn* 2008;10:225-35.
42. **Artenstein AW**. New generation smallpox vaccines: A review of preclinical and clinical data. *Rev Med Virol* 2008;18:217-31.
43. Dosa DM, Hyer K, Brown LM, **Artenstein AW**, Polivka-West L, Mor V. The controversy inherent in managing frail nursing home residents during complex hurricane emergencies. *J Am Med Dir Assoc* 2008;9:599-604. DOI:10.1016/j.jamda.2008.05.007.
44. **Artenstein AW**, Grabenstein JD. Smallpox vaccines for biodefense: Need and feasibility. *Expert Rev Vaccines* 2008;7:1225-37.

45. McCamley MK, Ravnik M, **Artenstein AW**, Opal SM, Zumer S, Crawford GP. Detection of alignment changes at the open surface of a confined nematic liquid crystal sensor. *J Appl Physics* 2009;105:1-7.
46. **Artenstein AW**. Vaccines for Military Use. *Vaccine* 2009;27(Suppl 4):D16-D22.
47. Gregory SH, Chen WH, Mott S, Palardy JE, Parejo NA, Heninger S, Anderson CA, **Artenstein AW**, Opal SM, Cross AS. Detoxified endotoxin vaccine (J5dLPS/OMP) protects mice against lethal respiratory challenge with *Francisella tularensis* SchuS4. *Vaccine* 2010;28:2908-15.
48. Opal SM, Lim YP, Cristofaro P, **Artenstein AW**, Kessimian N, Delsesto D, Parejo N, Palardy JE, Siryaporn E. Inter-alpha inhibitor proteins: A novel therapeutic strategy for experimental anthrax infection. *Shock* 2010;35(10):42-4.
49. Kerby MB, Sarma AA, Patel MS, **Artenstein AW**, Opal SM, Tripathi A. Early in vitro transcription termination in human H5 influenza viral RNA synthesis. *Appl Biochem Biotechnol* 2011;164(4):497-513.
50. **Artenstein AW**, Opal SM. Proprotein convertases in health and disease. *N Engl J Med* 2011;365:2507-18.
51. **Artenstein AW**, Opal SM. Novel approaches to the treatment of systemic anthrax. *Clin Infect Dis* 2012;54:1148-61.
52. Ong C, Tai W, Sarma A, Opal S, **Artenstein A**, Tripathi A. Ligation with nucleic Acid sequence based amplification (LNASBA). *J Mol Diagn* 2012;14(3):206-13.
53. **Artenstein AW**, LaForce FM. Critical episodes in the understanding and control of epidemic meningococcal meningitis. *Vaccine* 2012;30:4701-7. Epub 2012 Apr 21.
54. **Artenstein AW**. The discovery of viruses: Advancing science and medicine by challenging dogma. *Int J Infect Dis* 2012;16:e470-3. Epub 2012 May 16.
55. McCalla S, Ong C, Sarma A, Opal S, **Artenstein A**, Tripathi A. A simple method for amplifying RNA targets (SMART). *J Mol Diagn* 2012;14:328-35. Epub 2012 Jun 11.
56. **Artenstein AW**, Poland GA. Vaccine history: The past as prelude to the future. *Vaccine* 2012;30:5299-301.

OTHER PEER-REVIEWED PUBLICATIONS

1. **Artenstein AW**. Book Review: Physician's Guide to Terrorist Attack. *International Journal of Infectious Diseases*, 2004;8:382-3.
2. **Artenstein AW**. Book Review: Bioterrorism: Psychological and Public Health Interventions. *New England Journal of Medicine*, 2005;352:2560.

3. McCamley MK, **Artenstein AW**, Opal SM, Crawford GP. Optical detection of sepsis markers using liquid-crystal based biosensors. *Proceedings of the SPIE – Photonics West* **6441**, 64411Y, 2007.
4. **Artenstein AW**. Book Review: Vaccination: A History. From Lady Montague to Genetic Engineering. *Vaccine*, 2012, in press.

BOOKS AND BOOK CHAPTERS

1. **Artenstein AW**, Cross AS. Local and systemic diseases caused by *Pseudomonas aeruginosa*. In: Campa M, Bendinelli M, Friedman H, eds. *Pseudomonas aeruginosa* as an Opportunistic Pathogen. Plenum Press: New York, 1993:223-44.
2. **Artenstein AW**, Kim JH. Antimicrobials for use in neurosurgical patients. In: Wilkins RH, Rengachary SS, eds. Neurosurgery, second edition. McGraw-Hill: New York, 1996:3269-83.
3. **Artenstein AW**, Kim JH, Schmidek HH. Suppurative intracranial infections. In: Schmidek HH, ed. Operative Neurosurgical Techniques, fourth edition. WB Saunders: Philadelphia, 2000:1685-93.
4. **Artenstein AW**, Lucey D. Plague. In: Couturier AJ, ed. Occupational and Environmental Infectious Diseases. OEM Press: Mass, 2000:329-35.
5. Kim JH, **Artenstein AW**. Antimicrobial therapy for central nervous system infections. In: Batjer HH, Loftus CM, eds. Textbook of Neurological Surgery. Lippincott-Raven: Philadelphia, 2002:3089-98.
6. Kim JH, **Artenstein AW**. Infection in the postoperative neurosurgical patient. In: Batjer HH, Loftus CM, eds. Textbook of Neurological Surgery. Lippincott-Raven: Philadelphia, 2002:3174-78.
7. **Artenstein AW**, Asperilla MO. Communicable diseases and boxing. In: Ringside Physicians' Certification Manual. United States Amateur Boxing, Inc.: Colorado Springs, 2003:203-4.
8. **Artenstein AW**. Bioterrorism and biodefense. In: Cohen J, Powderly WG, eds. Infectious Diseases, second edition. Mosby: London, 2003:99-107.
9. **Artenstein AW**. Investigation of a smallpox outbreak. In: Cohen J, Powderly WG, eds. Infectious Diseases, second edition. Mosby: London, 2003:1022-24.
10. **Artenstein AW**. Biologic attack. In: Ciottone G ed. Disaster Medicine, third edition. Mosby Elsevier: Philadelphia, 2006:415-23.

11. McCamley MK, **Artenstein, AW**, Crawford JP. Liquid crystal biosensors: A new approach to medical diagnostic devices. In: Woltman SJ, Jay GD, Crawford GP, eds. *Liquid Crystals: Frontiers in Biomedical Engineering*. World Scientific: New Jersey, 2007:241-96.
12. Martin TM, **Artenstein AW**. Bioterrorism. In: Mayer KH, Pizer HF, eds. *The Social Ecology of Infectious Diseases*. Academic Press: Cambridge, 2008:316-50.
13. Patrozou E, **Artenstein, AW**. Bioterrorism. In: Schlossberg D, ed. *Clinical Infectious Disease*. Cambridge University Press: New York, 2008:865-77.
14. Moloo H, **Artenstein AW**. Vaccines, historical. In: Heggenhougen K, Quah S, eds. *International Encyclopedia of Public Health, Vol 6*. Academic Press: San Diego, 2008:471-83.
15. Asad S, **Artenstein AW**. Occupational plague. In: Wright WE, ed. *Couturier's Occupational and Environmental Infectious Diseases*, second edition. OEM Press: Beverly Farms, Massachusetts 2009:333-43.
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21. **Artenstein AW**. Influenza. In: **Artenstein AW**, ed. *Vaccines: A Biography*. Springer: New York, 2010:191-205.
22. **Artenstein AW**. Polysaccharide vaccines. In: **Artenstein AW**, ed. *Vaccines: A Biography*. Springer: New York, 2010:279-99.
23. **Artenstein AW**. Bioterrorism and biodefense. In: Cohen J, Powderly WG, Opal SM, eds. *Infectious Diseases*, third edition. Mosby: London, 2010:747-58.
24. **Artenstein AW**. The future of smallpox vaccines. In: Hefferon KL, ed. *Novel Approaches to Vaccine Research*. Research Signpost: India, 2011:91-111.

OTHER NON-PEER REVIEWED PUBLICATIONS

Neill MA, **Artenstein AW**. Our anti-anthrax systems are working. The Providence Journal, October 18, 2001:B6.

CORPORATE AUTHORSHIP OR MULTICENTER TRIALS

1. Drew RH, Perfect JR, Srinath L and the **Synercid Emergency-Use Study Group**. Treatment of methicillin-resistant *Staphylococcus aureus* infections with Quinupristin-dalfopristin in patients intolerant of our failing prior therapy. J Antimicrob Chemother 2000;46:775-784
2. Birx DL, Loomis-Price LD, Aronson N, Brundage J, Davis C, Deyton L, and the **rgp160 phase II vaccine investigators**, et al. Efficacy testing of recombinant HIV gp160 as a therapeutic vaccine in early-stage HIV-1 infected volunteers. J Infect Dis 2000;181:881-9.
3. Brown AE, Dolan MJ, Michael NL, Zhou S, Perfetto SP, Hawkes C, and the **rgp160 phase IIA vaccine investigators**, et al. Clinical prognosis of patients with early-stage human immunodeficiency virus (HIV) disease: Contribution of HIV-1 RNA and T lymphocyte subset quantitation. Mil Med 2001;166:571-6.

PUBLICATIONS SUBMITTED OR IN PREPARATION

1. McCamley MK, Ravnik M, **Artenstein AW**, Opal SM, Zumer S, Crawford GP. Detection and differentiation of lipopolysaccharide mutants using a liquid crystal-based biosensor. Innate Immunity. (manuscript in preparation)

ABSTRACTS

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2. **Artenstein AW**, Kim JK, Williams WJ, Chung RCY. Tuberculous peripheral lymphadenitis in adults: clinical and diagnostic features in eight cases. Presented at the Infectious Disease Society of America annual meeting, New Orleans, LA., October 1993.
3. **Artenstein AW**, Michael NL, Chang GS, Birx DL, Redfield RR. Viral genotypic changes in HIV-1 infected individuals: effect of vaccine therapy. Presented at the Infectious Disease Society of America annual meeting, New Orleans, LA., October 1993.
4. **Artenstein AW**, Hegerich PA, Gaywee J, VanCott TC, Mascola JR, Sanders-Buell E, et al. Two distinct viral genetic subtypes in an HIV-1 infected individual. Oral presentation at 34th International Conference on Antimicrobial Agents and Chemotherapy, Orlando, FL, October 1994.

5. **Artenstein AW**, VanCott TC, Mascola JR, Carr JK, Hegerich PA, Gaywee J, et al. Dual infection with HIV-1 of distinct env subtypes in human. Conference on Advances in AIDS Vaccine Development: Seventh NCVDG Meeting, Reston, VA, November 1994.
6. VanCott TC, Flynn JM, Loomis LD, Veit SCD, **Artenstein AW**, Burke DS, Birx DL. Analysis of the specificities of V3 antibody populations within Thai sera dually reactive with clade B and E V3 peptides. Conference on Advances in AIDS Vaccine Development: Seventh Annual Meeting of the National Cooperative Vaccine Development Group for AIDS, Reston, VA, November 1994.
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10. **Artenstein A**, VanCott T, Veit S, Rogers A, Robb M, Sitz K, et al. Measurement of total and HIV-1 specific IgG, IgA, and IgM at four distinct mucosal sites in HIV-1 infected women. Oral presentation at Conference on Advances in AIDS Vaccine Development: Eighth Annual Meeting of the National Cooperative Vaccine Development Group for AIDS, Bethesda, MD, February 1996.
11. Gaywee J, **Artenstein AW**, VanCott TC, Trichavaroj R, Sukchamnonng A, Amlee P, et al. HIV-1 subtyping in Thailand using genomic and serologic techniques. Eleventh International AIDS Conference, Vancouver, British Columbia, July 1996.
12. Peng NK, VanCott T, Beyrer C, **Artenstein A**, Duriasamy G, Nagaratnam M, et al. HIV-1 subtypes in Malaysia. Thai National AIDS Meeting, Khon Kaen, Thailand, August 1996.
13. **Artenstein AW**, VanCott TC, Sitz KV, Robb ML, Wagner KF, Veit SCD, et al. Mucosal immune responses in four distinct compartments of women infected with human immunodeficiency virus type 1: A comparison by site and correlation with clinical information. Fourth Conference on Retroviruses and Opportunistic Infections, Washington D.C., January 1997.
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15. Maroldo L, Manocchio S, **Artenstein A**, Weiss W. Lack of effect of nelfinavir mesylate on maintenance methadone dose requirement. 13th International AIDS Conference, Durban, S. Africa, July 2000, abstract WePeB4120.
 16. Harley W, DeJesus E, Jiang P, Pistole M, Sension M, Garrett L, and the **NICE Investigators**, et al. Norvir-Indinavir combination evaluation. Eighth Conference on Retroviruses and Opportunistic Infections, Chicago, IL, February 2001.
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 18. **Artenstein AW**, Palardy JE, Cristofaro P, Parejo NA, Opal SM. Chloroquine Rescues Mammalian Cells from the Lethal Effects of Anthrax Toxin. Presented at the 41st Annual Meeting of Infectious Diseases Society of America, San Diego, CA, October 2003.
 19. Cristofaro P, Opal S, **Artenstein AW**, Palardy J, Parejo N, Lim Y-P. Plasma Inter-Alpha Inhibitor Enhances the Survival of Murine Peritoneal Macrophages Exposed to Anthrax Lethal Toxin in an In-Vitro Model. Presented at the 41st Annual Meeting of Infectious Diseases Society of America, San Diego, CA, October 2003.
 20. **Artenstein AW**, Opal SM, Cristofaro P, Palardy JE, Parejo NA, Jung JW. Chloroquine (CQ) and Inter-alpha-Trypsin Inhibitor (IaI) Enhance survival in Anthrax-Intoxicated Mice. Presented at the 42nd Annual Meeting of Infectious Diseases Society of America, Boston, MA, October 2004.
 21. Stipho S, **Artenstein A**, Potter S, Shapiro M, Jagminas L, Russo-Magno P, Summerhill E. Biodefense Training for Internal Medicine Residents. Presented at CHEST 2005 the 71st Annual International Scientific Assembly of the American College of Chest Physicians, Montréal, Quebec, Canada, November 2005.
 22. Hicks L, McDonald C, Opal S, Price B, Hageman J, **Artenstein A**, Letourneau C, Helan J, Patel J. The Epidemiological Profile of Linezolid-Resistant Coagulase Negative Staphylococci. Presented at the 44th Annual Meeting of Infectious Diseases Society of America, Toronto, Ontario, Canada, October 2006.
 23. Kerby M, Prachanronarong K, Yizar T, Tripathi A, **Artenstein A**, Opal S, Freeman S. Isolation, Amplification and Detection of Viral RNA. Presented at the 2006 Annual Meeting of The American Institute of Chemical Engineers, San Francisco, CA, November 2006.

24. McCalla S, Prachanronarong K, Kerby M, Tripathi A, **Artenstien A**, Opal S. An isothermal microchip for influenza A subtype detection. Presented at the 15th Annual Research Celebration at Brown University, Providence, RI, November 2007.
25. Opal SM, Cristofaro P, Lim Y-P, **Artenstein A**, Palardy JE, Parejo N, Kessimian N. Inter-alpha inhibitor proteins are protective against systemic infection with *Bacillus anthracis* Sterne strain. Presented at the 2008 48th Annual Meeting of the International Conference on Antimicrobial Agents and Chemotherapy and the 46th Annual Meeting of the Infectious Diseases Society of America, Washington DC, October 2008.
26. McCalla S, Sarma A, Ong C, Opal S, **Artenstein A**, Tripathi A. Development of a microfluidic reactor for Influenza A subtyping. Presented at the 2010 Annual Meeting of Biomedical Engineering Society, Austin, TX, October 2010.

INVITED PRESENTATIONS

1. “Update on HIV-1 Infection”, sponsored by Bristol County Dental Society, New Bedford, MA, May 1999, regional
2. “Management of the Challenging Patient with HIV Infection”, sponsored by Dupont Pharmaceuticals, Bronx, NY, May 1999, regional
3. “HIV: State-of-the-Art 1999”, sponsored by PAACA, Westport, MA, June 1999, regional
4. “Intensification of Antiretroviral Therapy”, sponsored by The Laureate Forum, Toronto, Ontario, July 1999, national
5. “HIV Infection: Issues in Substance Abusers”, sponsored by The Laureate Forum, Springfield, MA, December 1999, regional
6. “Case Studies of Challenging Patient Populations with HIV Infection”, sponsored by The Laureate Forum, Bridgeport, CT, December 1999, regional
7. “Issues in the Management of HIV-Infected Patients”, Grand Rounds at St. Michael’s Medical Center, sponsored by The Laureate Forum, Newark, NJ, February 2000, regional
8. “Protective Immunity in HIV Infection?”, Infectious Diseases Conference at Washington Hospital Center, sponsored by The Laureate Forum, Washington, DC, March 2000, regional
9. “Update in HIV—2000”, Department of Medicine Conference at Walter Reed Army Medical Center, sponsored by Walter Reed Army Medical Center, Washington, DC, March 2000, regional
10. “HIV and Substance Abuse”, presentation to judges and legal staff, Bristol County District Court, sponsored by PAACA, New Bedford, MA, April 2000, regional
11. “Update on Hepatitis C”, sponsored by PAACA, New Bedford, MA, June 2000, regional

12. "HIV, Hepatitis C and Co-infection", Southern New Hampshire Medical Center, sponsored by the Department of Training and Development, Nashua, NH, September 2000, regional
13. "HIV and the Substance Abuser", presented at the Ninth Annual HIV Care and Treatment Symposium, sponsored by AtlantiCare Health Services, Atlantic City, NJ, October 2000, regional
14. "Antimicrobials in Surgical Infections", St. Luke's Hospital, sponsored by the Medical Education Department, New Bedford, MA, April 2001, regional
15. "Hepatitis C: State-of-the-Art", sponsored by the Massachusetts Department of Health, Taunton, MA, June 2001, regional
16. "The Management of Hepatitis C", sponsored by PAACA, Westport, MA, June 2001, regional
17. "Biological Warfare, Bioterrorism and Defense", Brown University Infectious Diseases Conference, sponsored by Rhode Island Hospital, Providence, RI, September 2001, regional
18. "Biological Warfare, Bioterrorism and Defense", Newport Hospital, sponsored by the Medical Education Department, Newport, RI, October 2001, regional
19. "Biological Warfare, Bioterrorism and Defense", Tobey Hospital, sponsored by the Medical Education Department, Wareham, MA, October 2001, regional
20. "Biological Warfare, Bioterrorism and Defense", Fatima Hospital, sponsored by the Medical Education Department, Providence, RI, October 2001, regional
21. "Biological Warfare, Bioterrorism and Defense", Pawtucket Country Club, sponsored by the Pawtucket Medical Society, Pawtucket, RI, October 2001, regional
22. "Biological Warfare, Bioterrorism and Defense", St. Luke's Hospital, sponsored by the Medical Education Department, New Bedford, MA, October 2001, regional
23. "Biological Warfare, Bioterrorism and Defense", The Westerly Hospital, sponsored by the Medical Education Department, Westerly, RI, October 2001, regional
24. "Biological Warfare, Bioterrorism and Defense", South County Hospital, sponsored by the Medical Education Department, Wakefield, RI, October 2001, regional
25. "Doctors Speak on Bioterrorism", Channel 36, sponsored by Rhode Island Department of Health, Providence, RI, October 2001, regional
26. "Biological Warfare, Bioterrorism and Defense", Grand Rounds, Rhode Island Hospital, sponsored by the Medical Education Department, Providence, RI, October 2001, regional
27. "Biological Warfare, Bioterrorism and Defense", Grand Rounds, Roger Williams Medical Center, sponsored by the Medical Education Department, Providence, RI, October 2001, regional

28. “Biological Warfare, Bioterrorism and Defense”, Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Department, Pawtucket, RI, October 2001, regional
29. “Biological Warfare, Bioterrorism and Defense”, Presenter and Panelist, University of Rhode Island, sponsored by University of Rhode Island, Kingston, RI, November 2001, regional
30. “Biological Warfare, Bioterrorism and Defense”, Grand Rounds, Charlton Memorial Hospital, sponsored by the Medical Education Department, Fall River, MA, November 2001, regional
31. “Biological Warfare, Bioterrorism and Defense”, Radisson Airport Hotel, sponsored by Rhode Island Medical Society, Warwick, RI, November 2001, regional
32. “Biological Warfare, Bioterrorism and Defense”, Providence Marriott Hotel, sponsored by CME Consultants, Inc. and Coastal Medical, Inc., Providence, RI, November 2001, regional
33. “Biological Warfare, Bioterrorism and Defense”, sponsored by The Pawtucket Rotary Club, Pawtucket, RI, November 2001, regional
34. “Biological Warfare, Bioterrorism and Defense”, The Miriam Hospital, sponsored by the Medical Education Department, Providence, RI, November 2001, regional
35. “Biological Warfare, Bioterrorism and Defense”, The Providence Biltmore Hotel, sponsored by United Nurses & Allied Professionals, Providence, RI, November 2001, regional
36. “Biological Warfare, Bioterrorism and Defense”, Community College of Rhode Island, Flanagan Campus, sponsored by Rhode Island Department of Health, Lincoln, RI, November 2001, regional
37. “Management of HIV Infection in Injection Drug Users (IDU)”, sponsored by The Laureate Forum, Hartford, CT, November 2001, regional
38. “Biological Warfare, Bioterrorism and Defense”, The Family Healthcare Center at SSTAR, sponsored by SSTAR, Fall River, MA, November 2001, regional
39. “Biological Warfare, Bioterrorism and Defense”, sponsored by The Greater New Bedford Community Health Center, New Bedford, MA, November 2001, regional
40. “Sexually Transmitted Diseases in Adolescents”, Channel One, sponsored by the City of Central Falls, Central Falls, RI, November 2001, regional
41. “Biological Warfare, Bioterrorism and Defense”, sponsored by Rhode Island Primary Care Physicians Corporation, Cranston, RI, November 2001, regional
42. “Biological Warfare, Bioterrorism and Defense”, Radisson Airport Hotel, sponsored by Rhode Island Hospital and the Rhode Island Emergency Management Agency, Warwick, RI, November 2001, regional

43. "Biological Warfare, Bioterrorism and Defense", Milford-Whitinsville Hospital, sponsored by the Medical Education Department, Milford, MA, November 2001, regional
44. "Biological Warfare, Bioterrorism and Defense", Hawthorn Country Club, sponsored by Medical Staff Office, St. Luke's Hospital, New Bedford, MA, November 2001, regional
45. "Biological Warfare, Bioterrorism and Defense", Hawthorn Country Club, sponsored by Nurse Education Office, St. Luke's Hospital, N. Dartmouth, MA, December 2001, regional
46. "Chemical Weapons as Agents of Terrorism", Fatima Hospital, sponsored by the Medical Education Department, Providence, RI, December 2001, regional
47. "Biological Warfare, Bioterrorism and Defense", Grand Rounds, Women & Infants Hospital of Rhode Island, sponsored by the Medical Education Department, Providence, RI, January 2002, regional
48. "Biological Warfare, Bioterrorism and Defense", Brown Faculty Club, sponsored by the Rhode Island Society of Pathology, Providence, RI, January 2002, regional
49. "Biological Warfare, Bioterrorism and Defense", Grand Rounds, Southern New Hampshire Medical Center, sponsored by the Medical Education Office, Nashua, NH, February 2002, regional
50. "Biological Warfare, Bioterrorism and Defense", Mediterraneo Restaurant, sponsored by Respiratory Solutions, Providence, RI, February 2002, regional
51. "Biological Warfare, Bioterrorism and Defense", Grand Rounds, Mount Auburn Hospital, sponsored by the Medical Education Office, Cambridge, MA, February 2002, regional
52. "Biological Warfare, Bioterrorism and Defense", OB/GYN Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Department, Pawtucket, RI, February 2002, regional
53. "Bioterrorism and the Public Response", Rhode Island Department of Health, sponsored by The Department of Health Education Department, Providence, RI, March 2002, regional
54. "Biological Warfare, Bioterrorism and Defense", Radisson Airport Hotel, sponsored by RIAPAN, Providence, RI, March 2002, regional
55. "Biological Warfare, Bioterrorism and Defense", Surgical Grand Rounds, Rhode Island Hospital, sponsored by the Medical Education Department, Providence, RI, March 2002, regional
56. "Recognizing and Monitoring HIV Infection", Primary Provider AIDS Education Program, Brown University, sponsored by Brown University AIDS Program, Providence, RI, April 2002, regional

57. "Smallpox as a Biological Weapon", 4th Annual Southcoast Cardiopulmonary Conference, Hawthorn Country Club, sponsored by Southcoast Hospital Group, N. Dartmouth, MA, April 2002, regional
58. "Bioterrorism and Chemical Warfare", Rhode Island ACP-ASIM Regional Conference, Radisson Airport Hotel, sponsored by RI Chapter ACP-ASIM, Providence, RI, April 2002, regional
59. "Viral Hemorrhagic Fevers: Emerging Threat?", Grand Rounds, Washington Hospital Center, sponsored by the Medical Education Department, Washington, DC, May 2002, regional
60. "Hepatitis C Infection", White's of Westport, sponsored by Mass Department of Health, Westport, MA, May 2002, regional
61. "Hepatitis C and HIV Diagnosis and Treatment", Southern New Hampshire Medical Center, sponsored by the Department of Training and Development, Nashua, NH, May 2002, regional
62. "Chemical Weapons of Mass Destruction", Rhode Island Department of Health, sponsored by the Medical Education Dept., Providence, RI, May 2002, regional
63. "Biological Warfare, Bioterrorism and Defense", U.S. Naval Reserves, sponsored by the Rhode Island Branch of Health Care Providers, Newport, RI, June 2002, regional
64. "Biological Warfare, Bioterrorism, Defense and Universal Precautions", Butler Hospital, sponsored by the Medical Staff Office, Providence, RI, June 2002, regional
65. "Bioterrorism", Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Department, Pawtucket, RI, July 2002, regional
66. "Tick Borne Illness: An Update", 12th Annual Diseases of Summer Conference, South County Hospital, sponsored by the Medical Staff Office, Wakefield, RI, July 2002, regional
67. "Bioterrorism – Part 2", 12th Annual Diseases of Summer Conference, South County Hospital, sponsored by the Medical Staff Office, Wakefield, RI, July 2002, regional
68. "Management of Biological Terrorism", 12th Annual New England Conference, Newport Marriott, sponsored by the Rhode Island Chapter of American College of Emergency Physicians, Newport, RI, August 2002, regional
69. "Biological Warfare, Bioterrorism and Defense", 2002 Conference sponsored by Mass. Association of Hazardous Materials Technicians, Plymouth, MA, September 2002, regional
70. "Biological Warfare, Bioterrorism and Defense", 25th Annual Meeting, Sturbridge Host Hotel and Conference Center, sponsored by The Massachusetts Society for Respiratory Care, Sturbridge, MA, September 2002, regional

71. "Biological Warfare, Bioterrorism and Defense", "Terrorism: A New Reality for Healthcare", Holiday Inn, sponsored by Southeastern MA Nurses in Continuing Education, Taunton, MA, September 2002, regional
72. "Biological Warfare, Bioterrorism and Defense", Holiday Inn, sponsored by Infection Control Professionals of Southern New England, Inc., Mansfield, MA, November 2002, regional
73. "Smallpox", Memorial Hospital of RI, sponsored by Northeastern Association of Clinical Microbiology and Infectious Diseases, Pawtucket, RI, November 2002, regional
74. "Smallpox", South County Hospital, sponsored by the Continuing Medical Education Office, Westerly, RI, January 2003, regional
75. "The History of Bioterrorism", Rhode Island Department of Health, sponsored by the Medical Education Department, Providence, RI, May 2003, regional
76. "Update on Bioterrorism", Grand Rounds, Charlton Memorial Hospital, sponsored by the Medical Education Department, Fall River, MA, May 2003, regional
77. "Smallpox: Back to the Future", CLS/CNE 55th Annual Meeting, Rhode Island Convention Center, sponsored by Clinical Laboratory Science Society of Central New England, Providence, RI, May 2003, regional
78. "Biodefense: Medicine in the Time of Bioterrorism", 1st Annual Update in Internal Medicine, Marriott Hotel, sponsored by the Continuing Medical Education of Brown Medical School, Providence, RI, May 2003, regional
79. "Update on Bioterrorism and Chemical Warfare", St. Luke's Hospital, sponsored by the Medical Staff Office, New Bedford, MA, May 2003, regional
80. "Biodefense: Medicine in the Time of Bioterrorism", Women & Infants Hospital, sponsored by the Medical Education Department, Providence, RI, June 2003, regional
81. "Biological Warfare, Bioterrorism and Defense", 2003 Conference sponsored by Mass. Association of Hazardous Materials Technicians, Plymouth, MA, September 2003, regional
82. "Smallpox Preparedness - Preliminary Data from New Smallpox Trials", Annual Northeast Regional Epidemiology Conference, Biltmore Hotel, sponsored by the Northeast Regional Epidemiologists, Providence, RI October 2003, regional
83. "Biodefense for Biodefenders", Rhode Island Department of Health, sponsored by RI Department of Health Education Department, Providence, RI, October 2003, regional
84. "Vaccines and Pharmaceuticals", 38th Annual Region 1 Meeting, Boston Marriott Quincy, sponsored by the Northeast Branch, American Society for Microbiology, Quincy, MA, October 2003, regional

85. "Biodefense: SARS, Monkeypox and the Next Big Thing", Holiday Inn Conference Center, sponsored by Infection Control Professionals of Southern New England, Inc., Mansfield, MA, November 2003, regional
86. "SARS, Monkeypox and the Next Big Thing", Biltmore Hotel, sponsored by United Nurses and Allied Professionals, Providence, RI, November 2003, regional
87. "HIV and HCV: A Tale of Two Epidemics", Annual World AIDS Day, White's of Westport, sponsored by PAACA, Westport, MA, December 2003, regional
88. "Schwartz Center Rounds: When an HIV Test Comes Back Positive", Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Office, Pawtucket, RI, December 2003, regional
89. "SARS, Monkeypox and the Next Big Thing", Tobey Hospital, sponsored by the Medical Staff Office, Wareham, MA, December 2003, regional
90. "Biodefense for Traditional First Responders", Radisson Hotel, sponsored by Rhode Island Fire Chiefs' Association, Warwick, RI, January 2004, regional
91. "Biodefense for Biodefenders", Rhode Island Hospital, sponsored by Rhode Island Disaster Medical Assistance Team, Providence, RI, February 2004, regional
92. "Bioterrorism and Smallpox", Rhode Island Department of Health, sponsored by the Infection Control Professionals of Southern New England, Providence, RI, March 2004, regional
93. "A Brief History of US Military Contributions to Vaccine Agents for Infectious Diseases" 18th Annual AFIDS Meeting, Hyatt Key West Resort, sponsored by the Armed Forces Infectious Diseases Society, Key West, FL, April 2004, national
94. "Biodefense for Biodefenders", Radisson Hotel, Rhode Island ACP Regional Conference, sponsored by the Rhode Island Chapter of American College of Physicians, Providence, RI, May 2004, regional
95. "Biodefense for Biodefenders", South County Hospital, sponsored by the Continuing Medical Education Office, Westerly, RI, May 2004, regional
96. "Novel Inhibition of Anthrax Toxin and Novel Smallpox Vaccines", University of Mass Medical School, sponsored by the Center for Infectious Disease and Vaccine Research, Worcester, MA, May 2004, regional
97. "Biodefense for Biodefenders", Research Seminar, Walter Reed Army Institute of Research, sponsored by the Continuing Medical Education Office, Washington, DC, June 2004, regional
98. "Biodefense for Biodefenders", Gateway Healthcare, sponsored by the Continuing Education Office, Pawtucket, RI, June 2004, regional

99. "Novel Approaches to the Inhibition of Anthrax Toxin", Molecular Biology Lab Group Meeting, Harvard Medical School, sponsored by the Medical Education Office, Boston, MA, July 2004, regional
100. "HIV Update 2004", Southern New Hampshire Medical Center, sponsored by the Department of Training and Development, Nashua, NH, September 2004, regional
101. "HIV and HCV: A Tale of Two Epidemics", Southern New Hampshire Medical Center, sponsored by the Department of Training and Development, Nashua, NH, September 2004, regional
102. "Overview of the Center for Biodefense and Emerging Pathogens at Brown Medical School", First Annual Retreat of New England Regional Center of Excellence for Biodefense and Emerging Infectious Diseases (NERCE/BEID), Durham, NH, September 2004, regional
103. "Biodefense for Biodefenders", Grand Rounds, St. Luke's Hospital Inc., sponsored by the Medical Staff Office, New Bedford, MA, September 2004, regional
104. "Biodefense for Biodefenders", Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Staff Office, Pawtucket, RI, September 2004, regional
105. "Security in an Insecure World", Faculty Research Forum, Memorial Hospital of Rhode Island, sponsored by Brown University Center for Primary Care and Prevention at Memorial Hospital of RI, Pawtucket, RI, November 2004, regional
106. "Smallpox in the 21st Century", URI Smallpox Exercise, sponsored by the Rhode Island Department of Health, N. Kingstown, RI, November 2004, regional
107. "Expecting the Unexpected: Is your Business Prepared", 2nd Annual Business Continuity and Safety Planning Conference, sponsored by Code Red, Warwick, RI, January 2005, regional
108. "Biodefense for Physicians", Grand Rounds, St. Anne's Hospital, sponsored by The Greater Fall River Physician CME Program, Fall River, MA, February 2005, regional
109. "Biodefense for Biodefenders: Bioterrorism Training for Rhode Island Health Centers", sponsored by the RI Department of Health, Hope Valley, RI, April 2005, regional
110. "Biodefense for Primary Care Physicians", Grand Rounds, Tobey Hospital, sponsored by the Medical Staff Office, Wareham, MA, June 2005, regional
111. "Biodefense for Primary Care Physicians", Coastal Medical CME Seminar, sponsored by Coastal Medical, Newport, RI, September 2005, regional
112. "Opportunity Knocks: Biodefense and Public Health 2006", Northeast Epidemiology Conference 2005, sponsored by Massachusetts Department of Health, Chatham, MA, November 2005, regional

113. "External Manifestations of Internal Disease", Southern New Hampshire Medical Center, sponsored by the Department of Training and Development, Nashua, NH, February 2006, regional
114. "Avian Influenza: Why, When and How Does the Chicken Cross the Road?", 21st Annual Northeast Regional Conference of Pharmacists, sponsored by URI College of Pharmacy, Office of Continuing Education, Newport, MA March, 2006, regional
115. "Avian Flu: Why, When and How Does the Chicken Cross the Road?", Grand Rounds, St. Luke's Hospital Inc., sponsored by the Medical Staff Office, New Bedford, MA, April 2006, regional
116. "Avian Flu: Why, When and How Does the Chicken Cross the Road?", Grand Rounds, Memorial Hospital of RI, sponsored by the Department of Dermatology and the Medical Staff Office, Pawtucket, RI, April 2006, regional
117. "The Next Big Thing: Biodefense 2006", Grand Rounds, Cape Cod Hospital, sponsored by the Medical Staff Office, Hyannis, MA May 2006, regional
118. "Avian Flu: Why, When and How Does the Chicken Cross the Road?", St. Joseph's Hospital, sponsored by the Education Department, Providence, RI, June 2006, regional
119. "Pandemic Influenza: How, When and Why Does the Chicken Cross the Road?", sponsored by Securitas Security Services USA, Inc. and Code Red Business Continuity Services, LLC, Newton, MA, June 2006, regional
120. "Avian Flu: Why When and How Does the Chicken Cross the Road?", 2006 Conference, sponsored by Mass. Association of Hazardous Materials Technicians, Plymouth, MA, September 2006, regional
121. "Bioterrorism", Urology Nursing 2006 Conference, sponsored by Urology Nursing Society, Inc., Seekonk, MA, November 2006, regional
122. "Pandemic Flu: Where Are We Today? Is This Threat Gone?", 4th Annual Business Continuity and Safety Planning Conference, sponsored by Code Red, Business Continuity Services, LLC, Warwick, RI, January 2007, regional
123. "Antibiotics 101: Clinical Discussion Involving Antibiotics", Medical & Surgical Update for Hospital Based Clinicians, sponsored by Chamberlain Medical Resources, Inc., Bartlett, NH, February 2007, regional
124. "Update of Biodefense and Emerging Infectious Diseases", Medical & Surgical Update for Hospital Based Clinicians, sponsored by Chamberlain Medical Resources, Inc., Bartlett, NH, February 2007, regional
125. "Emerging Threats: Natural & Man-Made", 35th Annual Symposium: Bioterrorism and Emerging Infections, sponsored by American Thoracic Society, New Mexico Thoracic Society and American Lung Association of New Mexico, Albuquerque, NM, May 2007, regional

126. “Anthrax Research”, 35th Annual Symposium: Bioterrorism and Emerging Infections, sponsored by American Thoracic Society, New Mexico Thoracic Society and American Lung Association of New Mexico, Albuquerque, NM, May 2007, regional
127. “The State of the Department of Medicine Address”, Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Office, Pawtucket, RI, September 2007, regional
128. “Bioterrorism and Emerging Pathogens”, Grand Rounds, Providence VA Medical Center, sponsored by the VA New England Health Care System, Providence, RI, September 2007, regional
129. “New Generation Smallpox Vaccines”, The Warren Alpert Medical School of Brown University Infectious Diseases Conference, sponsored by Rhode Island Hospital, Providence, RI, January 2007, regional
130. “Foundations of Vaccinology”, The Warren Alpert Medical School of Brown University Infectious Diseases Conference, sponsored by Rhode Island Hospital, Providence, RI, July 2008, regional
131. “The State of the Department of Medicine Address”, Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Office, Pawtucket, RI, September 2008, regional
132. “Biodefense for Biodefenders”, 2009 Rhode Island Chapter Annual Scientific Meeting sponsored by American College of Physicians, Warwick, RI, June 2009
133. “Pandemic Influenza: When Pigs Fly”, Pandemic Influenza Business Continuity and Safety Planning Conference, sponsored by Code Red, Business Continuity Services, LLC, Warwick, RI, June 2009, regional
134. “The State of the Department of Medicine Address”, Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Office, Pawtucket, RI, September 2009, regional
135. “Pandemic Influenza: When Pigs Fly”, Grand Rounds, Kent Hospital, sponsored by the Medical Education Office, Warwick, RI, September 2009, regional
136. “A Brief History of Vaccines”, Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Office, Pawtucket, RI, May 2010, regional
137. “The State of the Department of Medicine Address”, Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Office, Pawtucket, RI, September 2010, regional
138. “The State of the Department of Medicine Address”, Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Office, Pawtucket, RI, September 2011, regional

139. “Anthrax Antitoxin Strategies”, Expert Panel on Anthrax Clinical Management sponsored by the Centers for Disease Control and Prevention, Boston, MA, October 2011, national
140. “The Rational Use of Antibiotics in Clinical Practice”, Medical & Surgical Update for Hospital Based Clinicians, sponsored by Chamberlain Medical Resources, Inc., Bartlett, NH, February 2012, regional
141. “The Next Big Thing: Emerging Infectious Threats and Biodefense”, Medical & Surgical Update for Hospital Based Clinicians, sponsored by Chamberlain Medical Resources, Inc., Bartlett, NH, February 2012, regional
142. “The Importance of Being PC”, Grand Rounds, Memorial Hospital of Rhode Island, sponsored by the Medical Education Office, Pawtucket, RI, April 2012, regional
143. “The Early Years at WRAIR: Meningococcal Vaccines”, 1st Annual Tramont Symposium, sponsored by Uniformed Services University of the Health Sciences, Bethesda, MD, June 2012, national

GRANTS AND CONTRACTS

“Measurement of HIV-1 specific immunologic responses in the female genital tract and correlation with other, contemporaneous mucosal and systemic immune responses in HIV-1 infected women”. Defense Women’s Health Research Program, 1995, \$40,000, Principal Investigator. (completed)

“NICE Study, Adherence and quality of life determinants in HIV infected patients”. Abbott Laboratories, 2000, \$4,000, Principal Investigator. (completed)

“Capravirine, Phase III study for HIV infected patients”. Agouron Pharmaceuticals, Inc. #1549, 2000-2002, \$40,000, Principal Investigator. (completed)

“WINGS, PEGylated Interferon for Hepatitis C infected patients”. Roche Pharmaceuticals, 2001, \$5,000, Principal Investigator. (completed)

“Center for Biodefense and Emerging Pathogens”. Rhode Island Department of Health, 2002-2003, \$305,043, Principal Investigator and Director. (completed)

“Protocol H-400-003, The Effect of Dose on Safety, Tolerability, and Immunogenicity of ACAM2000 Smallpox Vaccine in Adults With Previous Smallpox Vaccination – A phase 2, Randomized, Double-Blind, Dose-Response Study”. Acambis Inc., 2002-2003, \$300,553, Principal Investigator. (completed)

“Protocol H-400-005, The Effect of Dose on Safety, Tolerability, and Immunogenicity of ACAM2000 Smallpox Vaccine in Adults Without Previous Smallpox Vaccination – A phase 2, Randomized, Double-Blind, Dose-Response Study”. Acambis Inc., 2002-2003, \$291,375, Principal Investigator. (completed)

“R21 AI53426-01, Novel Approaches to the Inhibition of Anthrax Toxin”. National Institute of Health, \$461,700, 2002-2005, Principal Investigator (completed).

“Smallpox Vaccination Clinical Services”. Rhode Island Department of Health, 2003-2004, \$44,303, Principal Investigator and Director. (completed)

“Protocol H-400-009, The Safety, Tolerability, and Immunogenicity of ACAM2000 Smallpox Vaccine in Adults Without Previous Smallpox Vaccination – A Randomized, Double-Blind, Fixed-Dose, Phase 3, Comparison between ACAM2000 and Dryvax[®] Smallpox Vaccines”. Acambis Inc., 2003-2004, \$32,000, Principal Investigator. (completed)

“Protocol H-400-012, The Safety, Tolerability, and Immunogenicity of ACAM2000 Smallpox Vaccine in Adults With Previous Smallpox Vaccination – A Randomized, Double-Blind, Fixed Dose, Phase 3, Comparison between ACAM2000 and Dryvax[®] Smallpox Vaccines”. Acambis Inc., 2003-2004, \$32,000, Principal Investigator. (completed)

“Center for Biodefense and Emerging Pathogens”. Rhode Island Department of Health, 2003-2004, \$386,000, Principal Investigator and Director. (completed)

“Strengthening Brown University Vaccine Development Capability: A Collaborative for Vaccine Research and Development”. Brown University, 2004-2005, \$70,000, Co-Investigator (Principal Investigator – Anne De Groot). (completed)

“Center for Biodefense and Emerging Pathogens”. Rhode Island Department of Health, 2004-2005, \$274,669, Principal Investigator and Director. (completed)

“Center for Biodefense and Emerging Pathogens”. Rhode Island Department of Health, 2005-2006, \$224,832, Principal Investigator and Director. (completed)

“Influenza Microchip: Rapid Identification of Sequence Specific Subtypes”. Brown University, 2006-2007, \$100,000, Co-Investigator (Principal Investigator – Anubhav Tripathi). (completed)

“R41 A1062095-01A2, The Role of Inter-alpha Inhibitors and Anthrax Intoxication”. National Institute of Health, 2006-2008, \$1,000,000, Co-Investigator (Principal Investigator – Steven Opal). (completed)

“Center for Biodefense and Emerging Pathogens”. Rhode Island Department of Health, 2006-2007, \$100,000, Principal Investigator and Director. (completed)

“Center for Biodefense and Emerging Pathogens”. Rhode Island Department of Health, 2007-2008, \$100,000, Principal Investigator and Director. (completed)

“Center for Biodefense and Emerging Pathogens”. Rhode Island Department of Health, 2008-2009, \$50,000, Principal Investigator and Director. (completed)

“Protocol H-100-002, A Randomized, Double Blind, Controlled Phase II Trial of the Safety, Tolerability and Immunogenicity of Fluzone[®] Inactivated Trivalent Influenza Virus Vaccine Administered with and without JVRS-100 Adjuvant in Community-living Subjects 65 Year and Older”. Juvaris Biotherapeutics, Inc., 2009-2010, \$180,000, Principal Investigator. (completed)

“R21 AI073808-01A1, Microfluidic Platform for Rapid Influenza Subtyping”. National Institute of Health, 2009-2011, \$419,435, Co-Investigator (Principal Investigator – Anubhav Tripathi).

UNIVERSITY TEACHING ROLES

Brown Medical School Bio 282 – IMS Pathophysiology-Infectious Disease, “Skin and Soft Tissue Infections”, February 2002

Brown University, Introduction to Public Policy, “Preparing for Bioterrorism”, March 2002

Brown Medical School, Community Health Clerkship, October 2002

Brown Medical School Bio 282 – IMS Pathophysiology-Infectious Disease, “Skin and Soft Tissue Infections”, February 2003

Brown Medical School Bio158 – Medical Microbiology, “Smallpox”, February 2003

Brown Medical School, Course Director, “Medicine in the Time of Bioterrorism”, Providence, RI, November 2003, regional

Rhode Island College, Micro 348, Section 1, “Biodefense for Biodefenders”, Providence, RI, December 2003, regional

Brown Medical School Bio 282 – IMS Pathophysiology/Infectious Diseases and Organ System Pharmacology Anti-infective Agents, “Skin and Soft Tissue Infections”, January 2004

Brown Medical School Bio 160 – “SARS, Monkeypox and the Next Big Thing”, February 2004

Rhode Island College, Nursing 370, “Biodefense for Biodefenders”, March 2004

University of Rhode Island, MTC 591, “Biodefense for Biodefenders”, July 2004

Brown Medical School, Course Director, “Medicine in the Time of Bioterrorism”, Providence, RI, November 2004, regional

Brown Medical School, Bio 351 – Integrated Pathophysiology for Infectious Diseases and Organ System Pharmacology Anti-infective Agents, “Skin and Soft Tissue Infections”, January 2005

Brown Medical School, Course Director, “Medicine in the Time of Bioterrorism”, Providence, RI, November 2005, regional

Brown Medical School, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, November 2005

Brown Medical School Bio 351 – Integrated Pathophysiology for Infectious Diseases and Organ System Pharmacology Anti-infective Agents, “Skin and Soft Tissue Infections”, January 2006

Brown Medical School, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, January 2006

Brown University, PhD Seminar Series, BC 218, “The Next Big Thing: Biodefense and Public Health 2006”, Providence, RI, March 2006

Brown University, Science Colloquium on Research in Science, “Bioterrorism and Pandemics”, Providence, RI, May 2006

Brown University, Staff Development Day, “Pandemic Flu”, Providence, RI, June 2006

Brown Medical School, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, September 2006

Brown Medical School, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, October 2006

Brown Medical School, Bio 372, Epidemiology, “Epidemiology: Outbreak Investigations”, Providence, RI, January 2007

Brown Medical School Bio 351 – IMS Pathophysiology/Infectious Diseases and Organ System Pharmacology Anti-infective Agents, “Skin and Soft Tissue Infections”, January 2007

Brown University, PhD, Independent Study Bio 295/Bio 296, Course Director, , “Introduction to the Microbial Basis of Disease”, Providence, RI, January-April 2007

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, March 2007

The Warren Alpert Medical School of Brown University, Bio 372, Epidemiology, “Epidemiology: Outbreak Investigations”, Providence, RI, April 2007

The Warren Alpert Medical School of Brown University, Bio 365, Integrated Medical Sciences II, Microbiology/Infectious Diseases & Epidemiology & the Practice of Medicine, “Skin & Soft Tissue Infections”, Providence, RI, June 2007

The Warren Alpert Medical School of Brown University, Bio 365, Integrated Medical Sciences II, Microbiology/Infectious Diseases & Epidemiology & the Practice of Medicine, “Biothreat Agents”, Providence, RI, June 2007

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, September 2007

Brown University, PHP 0320, Introduction to Public Health, “The Next Big Thing: Biodefense and Emerging Infectious Threats”, Providence, RI, November 2007

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, December 2007

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, March 2008

Brown University, EN 0291, Topics in Translational Research and Technologies, “Translational Opportunities in Infectious Diseases”, April 2008

The Warren Alpert Medical School of Brown University, Bio 365, Integrated Medical Sciences II, Microbiology/Infectious Diseases & Epidemiology & the Practice of Medicine, “Skin & Soft Tissue Infections”, Providence, RI, May 2008

The Warren Alpert Medical School of Brown University, Bio 365, Integrated Medical Sciences II, Microbiology/Infectious Diseases & Epidemiology & the Practice of Medicine, “Biothreat Agents”, Providence, RI, May 2008

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, June 2008

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, September 2008

Brown University, PHP 0320, Introduction to Public Health, “The Next Big Thing: Biodefense and Emerging Infectious Threats”, Providence, RI, November 2008

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, December 2008

The Warren Alpert Medical School of Brown University, Bio 365, Integrated Medical Sciences II, Microbiology/Infectious Diseases & Epidemiology & the Practice of Medicine, “Skin & Soft Tissue Infections”, Providence, RI, May 2009

The Warren Alpert Medical School of Brown University, Bio 365, Integrated Medical Sciences II, Microbiology/Infectious Diseases & Epidemiology & the Practice of Medicine, “Biothreat Agents”, Providence, RI, May 2009

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, May 2009

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, August 2009

Brown University, PHP 0320, Introduction to Public Health, “The Next Big Thing: Biodefense and Emerging Infectious Threats”, Providence, RI, November 2009

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, November 2009

The Warren Alpert Medical School of Brown University, BIOL 3653, Integrated Medical Sciences Microbiology/Infectious Diseases, “Skin & Soft Tissue Infections”, Providence, RI, April 2010

The Warren Alpert Medical School of Brown University, BIOL 3653, Integrated Medical Sciences Microbiology/Infectious Diseases, “Biothreat Agents”, Providence, RI, April 2010

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, May 2010

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, September 2010

Brown University, PHP 0320, Introduction to Public Health, “The Next Big Thing: Biodefense and Emerging Infectious Threats”, Providence, RI, November 2010

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, January 2011

The Warren Alpert Medical School of Brown University, BIOL 3653, Integrated Medical Sciences Microbiology/Infectious Diseases, “Skin & Soft Tissue Infections”, Providence, RI, April 2011

The Warren Alpert Medical School of Brown University, BIOL 3653, Integrated Medical Sciences Microbiology/Infectious Diseases, “Biothreat Agents”, Providence, RI, April 2011

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, June 2011

The Warren Alpert Medical School of Brown University, Core Clerkship in Medicine, Problem Based Learning Cases, “Meningitis”, September 2011

Brown University, PHP 0320, Introduction to Public Health, “The Next Big Thing: Biodefense and Emerging Infectious Threats”, Providence, RI, November 2011

The Warren Alpert Medical School of Brown University, BIOL 3653, Integrated Medical Sciences Microbiology/Infectious Diseases, “Skin & Soft Tissue Infections”, Providence, RI, April 2012

The Warren Alpert Medical School of Brown University, BIOL 3653, Integrated Medical Sciences Microbiology/Infectious Diseases, “Biothreat Agents”, Providence, RI, April 2012

Physician Advising:

2003-2006	Eleni Patrozou, M.D.	Residency Academic Advisor
2006-2008	Hesham Aboshady, M.D.	Residency Academic Advisor

Graduate and Undergraduate Student Advising:

2005-2009	Maureen McCamley	Research Co-Advisor & PhD Qualifier Committee, Biomedical Engineering
2006	Matthew Kerby	Research Co-Advisor & PhD Qualifier Committee, Biomedical Engineering
	Husein Moloo	MPH Research Advisor
2007	Lindsey Ryckman	Masters Thesis Committee, Environmental Studies
	Kristina Prachanronarong	Research Co-Advisor & Undergraduate Honors Thesis Committee, Biochemical Engineering
	Sarah Freeman	Research Co-Advisor & Undergraduate Honors Thesis Committee, Biochemical Engineering
2010	Lauren Levitz	Research Co-Advisor & Undergraduate Senior Thesis Committee, International Relations
2011	Stephanie McCalla	Research Co-Advisor & PhD Qualifier Committee, Biomedical Engineering

HOSPITAL TEACHING ROLES

1. Medical Student Core Lecture Series, Walter Reed Army Medical Center (1989-1990)

Quarterly conference for ~24 medical students during their third year medicine clerkship that covered, in case study format, metabolic and electrolyte abnormalities.

2. Chief of Medical Residents, Department of Medicine, Walter Reed Army Medical Center (1989-1990)

Major responsibilities: administering and managing an internal medicine training program of 43 houseofficers; chaired monthly housestaff meetings; curriculum development for the medical housestaff; co-directed the morning report teaching conference with the Chief of Medicine ~5 days/week and directed morning report ~2 days/week; organized the resident core lecture series and subspecialty conferences that occurred weekly; hosted grand rounds weekly; organized the annual Department of Medicine retreat; and attended on the medicine wards. Devised a case-based curriculum through which houseofficers could learn the art and science of differential diagnosis and the rational approach to complex cases by observing acknowledged experts in action in the classroom, in small groups, and at the bedside with the patient.

3. Medical Ward Attending, Walter Reed Army Medical Center (1989-1990)

Supervision of one resident, two interns, and four third year medical students from the Uniformed Services University of the Health Sciences in the care of hospitalized patients. Responsibilities included formal bedside attending rounds with the team three times per week (2 hours/session); informal daily case discussions with the team; regular (at least twice weekly) lectures to the students on various topics arising out of actual patient cases; and critical review of student written work-ups, oral case presentations, and brief lectures assigned to students based on patient-related topics.

4. Infectious Diseases Attending, Walter Reed Army Medical Center (1994-1996)

Supervision of one infectious diseases fellow for one month per year in the evaluation and management of inpatient consultations.

5. Infectious Diseases Journal Club Attending, Walter Reed Army Medical Center (1994-1996)

Supervision of infectious diseases fellows, monthly, in critical reviews of the literature.

6. Workshop on Studies of Highly Exposed Persistently HIV Seronegative (HEPS) Persons in Northern Thailand, Research Institute for Health Sciences, Chiang Mai University, Chiang Mai, Thailand, July 1995

Co-organized and facilitated a training course in the epidemiology, specimen collection, and immunologic principles and techniques for the HEPS study in female, Thai commercial sex workers at high risk for the acquisition of HIV-1 infection. Course was attended by 15-20 physicians, immunologists, nurses and laboratory staff.

7. Workshop on the Perinatal Transmission of HIV-1 Infection, Lampang Hospital, Lampang, Thailand, July 1995

Co-directed the training sessions on mucosal immunology in HIV and the collection, handling and processing of mucosal specimens in support of a multinational study of perinatal transmission of HIV-1 infection in northern Thailand. Program was attended by 15-20 physicians, scientists, nurses and laboratory staff.

8. Lecturer – “Biological Warfare, Bioterrorism and Defense”, The Miriam Hospital, Internal Medicine Residency Program Noon Conference, Providence, RI, October 2001
9. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, October 1-31, 2001
10. Lecturer – “Biological Warfare, Bioterrorism and Defense”, Rhode Island Hospital, Internal Medicine Residency Program Noon Conference, Providence, RI, October 2001
11. Lecturer – “HIV Update 2001”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, October 2001
12. Lecturer – “Biological Warfare, Bioterrorism and Defense”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, November 2001
13. Infectious Diseases Consult Attending Service (two day period), Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, November 28-29, 2001
14. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, December 7-9 & 16-19, 2001
15. Ward Medicine Attending (specific set days for one month each year), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, 2001-2004
16. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, January 8-21 & 23-31, 2002
17. Lecturer – “Basic Concepts in Infectious Diseases”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, January 2002
18. Lecturer – “Hepatitis C Update 2002”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, January 2002
19. Preceptor - Core Clinical Clerkship in Medicine (series of four sessions), Third year medical students for Physical Diagnosis, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, February 2002

20. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, April 7-30, 2002
21. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, May 1 & 13-15, 2002
22. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, June 16-29, 2002
23. Lecturer – “Biological Warfare, Bioterrorism and Defense”, Memorial Hospital of Rhode Island, New House Officers for Internal and Family Medicine Noon Conference, Pawtucket, RI, June 2002
24. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, July 6-10, 2002
25. Didactic Ward Service Teaching Rounds (series of four sessions), Memorial Hospital of Rhode Island, Internal Medicine Residents, Pawtucket, RI, August 2002
26. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, September 6-30, 2002
27. Lecturer – “Biological Warfare, Bioterrorism and Defense”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, September 2002
28. Lecturer – “HIV 101”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, October 2002
29. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, November 6-7, 2002
30. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, November 2002

31. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, December 2-3, 2002
32. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, January 1-12, 2003
33. Lecturer – “Anti-Infectives 101”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, January 2003
34. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, March 1-7, 2003
35. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, April 1-30, 2003
36. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, May 26-31, 2003
37. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, June 1-14, 2003
38. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, September 1-30, 2003
39. Lecturer – “Biodefense - Medicine in the Time of Bioterrorism ”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, September 2003
40. Lecturer – “Basic Concepts in Infectious Diseases”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, October 2003
41. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, December 2003

42. Lecturer – “Anti-Infectives 101”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, December 2003
43. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, January 1-31, 2004
44. Seminar – Chief’s Rounds with Internal Medicine House Staff (series of two sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, January 2004
45. Lecturer – “HIV and Hepatitis C: A Tale of Two Epidemics”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, January 2004
46. Lecturer – “Anti-Infectives 101”, Memorial Hospital of Rhode Island, Family Medicine Residency Program Noon Conference, Pawtucket, RI, February 2004
47. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, May 1-31, 2004
48. Seminar – Chief’s Rounds with Internal Medicine House Staff (series of two sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, May 2004
49. Seminar – Third Year Medical Student Conference, (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, April-June 2004
50. Lecturer – “Biodefense for Biodefenders”, Rhode Island Hospital, Brown Medical School, Infectious Diseases Fellowship Program Noon Conference, Providence, RI, May 2004
51. Lecturer – “Biodefense for Biodefenders”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, May 2004
52. Facilitator - Inpatient Morning Report – Facilitate morning report sessions and discussions of inpatient cases (four days per week), Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, July 2004 – present
53. Seminar – Chief’s Rounds with Internal Medicine House Staff (series of two sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, August 2004
54. Seminar – Third Year Medical Student Conference, (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, July-September 2004
55. Lecturer – “Anti-Infectives 101”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, November 2004

56. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, December 2004
57. Workshop – “Fellowship Applications”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program Noon Conference, Pawtucket, RI, April 2005
58. Medicine Ward Attending Service (two week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, July 2005
59. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, July-September 2005
60. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, December 2005
61. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, December 24-25, 2005
62. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, October-December 2005
63. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, February 1-14 & 19-28, 2006
64. Lecturer – “External Manifestations of Internal Disease”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, February 2006
65. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, January-March 2006
66. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, April 1-2, 2006
67. Medicine Ward Attending Service (two week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, July 2006

68. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, July-September 2006
69. Workshop – “Fellowship Applications”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, August 2006
70. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, October 2006
71. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, October-December 2006
72. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, January-March 2007
73. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, February 5-15, 2007
74. Medicine Ward Attending Service (two day period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, April 2007
75. Lecturer – “Antimicrobials”, Memorial Hospital of Rhode Island, Family Medicine Residency Program Noon Conference, Pawtucket, RI, February 2007
76. Seminar – “PGY 1 & 2 Overview”, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, May 2007
77. Preceptor – Notre Dame Ambulatory Care Center, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, July 2007
78. Medicine Ward Attending Service (two week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, August 2007
79. Medicine Ward Teaching Service (two week period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, August 2007
80. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, July-September 2007
81. Medicine Ward Attending Service (one week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, October 2007

82. Medicine Ward Teaching Service (two week period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, October 2007
83. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, October 2007
84. Medicine Ward Teaching Service (two week period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, November 2007
85. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, October-December 2007
86. Medicine Ward Teaching Service (two week period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, January 2008
87. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, January-March 2008
88. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, February 1-15, 2008
89. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, May-July 2008
90. Medicine Ward Attending Service (two week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, July 2008
91. Medicine Ward Teaching Service (one month period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, July 2008
92. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, August-October 2008
93. Preceptor – Internal Medicine Center, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, August 2008
94. Medicine Ward Teaching Service (one month period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, October 2008

95. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, November 2008-January 2009
96. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, December 2008
97. Medicine Ward Teaching Service (one month period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, January 2009
98. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, February 1-15, 2009
99. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, May-July 2009
100. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, August-October 2009
101. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, November 2009-January 2010
102. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, December 2009-January 2010
103. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, resident and student for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, February 1-14, 2010
104. Medicine Ward Attending Service (two week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, April 2010
105. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, May 2010-July 2010
106. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, August 2010-October 2010
107. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, November 2010-February 2011

108. Preceptor - Clerkship in Medicine (series of four sessions), Third year medical students for Inpatient Precepting, Internal Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI, December 2010-January 2011
109. Seminar – Chief’s Rounds, (held monthly), Third year medical students and First year Internal Medicine Residents, Memorial Hospital of Rhode Island, Pawtucket, RI, 2010 -
110. Seminar – Chief’s Rounds, (held monthly), Second and Third year Internal Medicine Residents, Memorial Hospital of Rhode Island, Pawtucket, RI, 2010 -
111. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, residents and students for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, February 1-14, 2011
112. Medicine Ward Attending Service (two week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, April 2011
113. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, May 2011-July 2011
114. Medicine Ward Attending Service (two week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, July 2011
115. Medicine Ward Teaching Service (two week period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, July 2011
116. Medicine Ward Teaching Service (two week period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, August 2011
117. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, August 2011-October 2011
118. Seminar – Third Year Medical Student Conference (series of three sessions), Memorial Hospital of Rhode Island, Pawtucket, RI, November 2011-February 2012
119. Infectious Diseases Consult Attending Service, Supervision and education of the infectious diseases fellow, residents and students for the daily evaluation and management of patients on the inpatient consultation service, Memorial Hospital of Rhode Island, Pawtucket, RI, February 15-29, 2012
120. Medicine Ward Attending Service (two week period), Daily medical care of inpatients and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, April 2012

121. Medicine Ward Teaching Service (two week period), Daily teaching and education of residents and students on inpatient medical team, Memorial Hospital of Rhode Island, Internal Medicine Residency Program, Pawtucket, RI, April-May 2012