

Aaron M. Milstone, MD

February 6, 2009

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments:

July 2007 Assistant Professor, Department of Pediatrics, Division of Infectious Diseases

Personal Data:

Office address: Department of Pediatrics
 Division of Pediatric Infectious Diseases
 200 North Wolfe St., Rubenstein 3141
 Baltimore, MD 21287
 Phone (443) 278-8932
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 Email: amilsto1@jhmi.edu

Education and Training:

Undergraduate:

1991-1995 Bachelor of Arts, Washington University in St. Louis; Political Science

Graduate:

1995-2000 Doctor of Medicine, Yale University School of Medicine

2007-present Master of Health Science (MHS), Graduate Training Program in Clinical Investigation, Johns Hopkins Bloomberg School of Public Health and Johns Hopkins University School of Medicine.

Postdoctoral:

2000-2001 Children's Hospital of Philadelphia, Philadelphia, PA; Pediatric Internship

2001-2003 Children's Hospital of Philadelphia, Philadelphia, PA; Pediatric Residency

2003-2004 Children's Hospital of Philadelphia, Philadelphia, PA; Pediatric Infectious Diseases Research Fellowship

2004-2007 John's Hopkins University School of Medicine, Baltimore, MD; Pediatric Infectious Disease Fellowship

Professional Experience:

2001-2003 Instructor, Department of Pediatrics, University of Pennsylvania School of Medicine

2003-2004 Attending Physician, Division of Emergency Medicine, Sections of Urgent Care and Emergency Transport, Children's Hospital of Philadelphia.

2007-present Assistant Professor, Department of Pediatrics, Johns Hopkins University

RESEARCH ACTIVITIES

Publications (Peer-reviewed)

1. Donnelly KM, Bromberg ME, **Milstone A**, McNiff JM, Terwilliger G, Konigsberg WH, Cappello M. *Ancylostoma caninum* Anticoagulant Peptide Blocks Metastasis *in Vivo* and Inhibits Factor Xa binding to Melanoma Cells *in Vitro*. *Thromb Haemost*. 1998 May;79(5):1041-7.
2. **Milstone AM**, Harrison LM, Bungiro RD, Kuzmic P., Cappello M. A Broad Spectrum Kunitz Type Serine Protease Inhibitor Secreted by the Hookworm, *Ancylostoma ceylanicum*. *J Biol Chem*. 2000 Sep 22; 275(38):29391-9.
3. **Milstone AM**, Milstone LM. Is retinoid-induced osteopenia reversible? *Arch Dermatol*. 2002 Nov;138(11):1516-7.
4. Cappello M, Harrison LM, Bungiro RD, Chadderdon CR, Del Valle A, **Milstone AM**, Chu D, Mieszczanek J, Nerlinger A, Kuzmic P. Molecular pathogenesis of hookworm anemia: prospects for a disease based vaccine. *J Parasitol* 2003;89:S158-64.
5. **Milstone AM**, Meyers KM, Elia J. Treatment of acute neuropsychiatric lupus with intravenous immune globulin (IVIg), a case report and review of the literature. *Clin Rheum*. 2005 Aug;24(4):394-7; [Epub ahead of print] 2005 Jan 21.
6. **Milstone AM**, Petrella J, Sanchez M, Mahmud M, Whitbeck JC, Bergelson JM. Interaction with coxsackievirus and adenovirus receptor (CAR), but not with decay accelerating factor (DAF), induces A particle formation in a DAF-binding coxsackievirus B3 isolate. *J Virol*. 2005 Jan;79(1):655-60.
7. **Milstone AM**, Yeamans C, Higman MA, Ruff AJ. *Pseudomonas aeruginosa* pre-septal cellulitis and bacteremia in a pediatric oncology patient. *Pediatr Blood Cancer*. 2005 May 30; 45(3):353.
8. **Milstone AM**, Agwu AG, Angulo FJ. Alerting Pregnant Women to the Risk of Reptile-Associated Salmonellosis. *Obstet Gynecol*. 2006 Feb; 107(2):516-518.
9. **Milstone AM**, Balakrishnan SL, Chen A, Foster CB. Failure of Intravenous Pentamidine Prophylaxis to Prevent Pneumocystis Pneumonia in a Pediatric Hematopoietic Stem Cell Transplant (HSCT) Patient. *Pediatr Blood Cancer*. 2006 Nov; 47(6):859-60.
10. **Milstone AM**, Dick J, Carson B, Siberry GK. Cerebrospinal Fluid Penetration and Bacteriostatic Activity of Linezolid against *Enterococcus faecalis* in a Child with a Ventriculoperitoneal Shunt Infection. *Pediatr Neurosurg*. 2007;43:406-409.
11. **Milstone AM**, Passaretti CL, Perl TM. Chlorhexidine: expanding the armamentarium for infection control and prevention in the 21st century. *Clin Infect Dis*. 2008 Jan 15; 46: 274-81.

12. Kuo DK, **Milstone AM**, Omokaro SO, Friedman AD, Karanjawala ZE, Borowitz M, Joyner ML, Halsey NA, Sibinga EM. AIDS-Related CNS Lymphoproliferative Disease Responsive to Highly Active Antiretroviral Therapy Without Radiation Therapy. *Clin Infect Dis*. 2008 May 1; 46:1476-78.
13. Jacobson L, Santosham M, **Milstone AM**. Pediatric Providers' Acceptance of Recommendations for Routine Rotavirus Vaccination. *Clin Pediatr (Phila)*. 2008 Jun; 47:500-3.
14. **Milstone AM**, Perl TM. Fact, Fiction or No Data: What does surveillance for MRSA prevent in the ICU? *Clin Infect Dis*. 2008 June 1; 46: 1726-28.
15. **Milstone AM**, Maragakis LL, Townsend T, Speck K, Sponseller P, Song X, Perl TM. Timing of Preoperative Antibiotic Prophylaxis: a Modifiable Risk Factor for Deep Surgical Site Infections Following Pediatric Spinal Fusion Surgery. *Pediatr Infect Dis J*. 2008 Aug; 27: 704-8.
16. **Milstone AM**, Perl TM. MRSA: Screening and Laboratory Identification. *Pediatr Infect Dis J*. 2008 Oct; 27 (10):927-8.
17. **Milstone AM**, Song X, Beers C, Berkowitz I, Carroll KC, Perl TM. Methicillin-Resistant *Staphylococcus aureus* and Vancomycin-Resistant Enterococci (VRE) in the Pediatric Intensive Care Unit: an unrecognized burden. *Infect Control Hosp Epidemiol*. 2008 Dec; 29 (12): 1174-6.
18. Jacobson L, **Milstone AM**, Zenilman JM, Arav-Boger R. Daptomycin therapy failure in an adolescent with MRSA bacteremia. *Pediatr Infect Dis J*. (in press).
19. **Milstone AM**, Carroll KC, Ross T, Shangraw KA, Perl TM. Colonization with and Transmission of Community-Associated Methicillin-Resistant *Staphylococcus aureus* Strains in the Pediatric Intensive Care Unit. (submitted)
20. **Milstone AM**, Perl TM. Vancomycin-Resistant Enterococcus Colonization and Risk of Subsequent Infection Among Children Hospitalized in the Pediatric Intensive Care Unit. (in preparation).

Book Chapters

1. **Milstone A**, Agwu A, Jain S. Recommended Empirical Antimicrobial Therapy for Selected Clinical Syndromes. The Harriet Lane Handbook of Pediatric Antimicrobial Therapy: Moile Medicine Series. Eds McMillan J, Lee C, Siberry G, and Dick J. First Edition. November, 2008.
2. **Milstone A**, Dumler JS. Serodiagnosis of Rickettsial Infections. Clinical Microbiology Procedures Handbook. In press.
3. **Milstone A**, Dumler JS. Rocky Mountain Spotted Fever. Bacterial Infections of Humans,

Fourth Edition. In press.

Oral Presentations

1. **Milestone AM**, Song XS, Beers C, Berkowitz I, Perl TM. Do Clinical Cultures Reflect Burden of Methicillin-Resistant *Staphylococcus aureus* (MRSA) and Vancomycin-Resistant Enterococci (VRE) in a Pediatric Intensive Care Unit (PICU)? Abstract 308. Presented at 17th Annual Scientific Meeting of the Society of Healthcare Epidemiology of America, Baltimore, April 2007.
2. **Milestone AM.**, Budd A, Ross T, Culp S, Aucott S, Carroll K, Perl TM. Screening for and Decolonizing Methicillin-Resistant *Staphylococcus aureus* (MRSA) Carriers: Controlling Endemic MRSA in the Neonatal Intensive Care Unit (NICU). Abstract ***. 19th Annual Scientific Meeting of the Society for Healthcare Epidemiology of America. San Diego, March 2009.

Poster Presentations

1. **Milestone AM**, Carruthers VB. Partial Characterization of *Toxoplasma gondii* Excreted/Secreted Antigen's (ESA) Protease Inhibitory Activity. Annual Scientific Meeting of the Infectious Disease Society of America. San Francisco, October 2005.
2. **Milestone AM**, Song X, Beers C, Townsend T, Speck K, Sponseller P, Perl TM, Maragakis L. Timing of Preoperative Antibiotic Prophylaxis: a Modifiable Risk Factor for Deep Surgical Site Infections Following Pediatric Spinal Fusion Surgery. Abstract 216. Annual Scientific Meeting of the Infectious Disease Society of America. San Diego, October 2007.
3. **Milestone AM**, Jacobson L, Santosham M. Rotavirus Vaccine Utilization by Pediatric Healthcare Professionals Following Recommendations for Universal Vaccination by the Advisory Committee on Immunization Practices. Abstract 197. Annual Scientific Meeting of the Infectious Disease Society of America. San Diego, October 2007.
4. **Milestone AM**, Shangraw KA, Ross T, Beers C, Berkowitz I, Carroll KC, Perl TM. Impact of Methicillin-Resistant *Staphylococcus aureus* (MRSA) Strains of Community Origin in a Tertiary Care Pediatric Intensive Care Unit (PICU). Abstract 187. 18th Annual Scientific Meeting of the Society for Healthcare Epidemiology of America. Orlando, April 2008.
5. Shangraw KA, **Milestone AM**, Ristaino MS, Maragakis L, Cosgrove SE, Carroll K, Perl TM. Development of an Automated System for Monitoring Compliance with Admission Surveillance Cultures for MRSA and VRE. Abstract 274. 18th Annual Scientific Meeting of the Society for Healthcare Epidemiology of America. Orlando, April 2008.

6. **Milstone AM**, Shangraw KA, Carroll KC, Perl TM. Epidemiology of Vancomycin-Resistant Enterococci in the Pediatric Intensive Care Unit. Abstract K-1423. Annual Scientific Meeting of the Infectious Disease Society of America. Washington, D.C. October 2008.
7. Maher L, **Milstone AM**, Diener-West M, Dick J. Lee C. Extended-Spectrum Beta-Lactamase (ESBL) Producing Bacteria from Urinary Isolates in Hospitalized Children. Abstract K-1426. Annual Scientific Meeting of the Infectious Disease Society of America. Washington, D.C. October 2008.
8. **Milstone AM.**, Gillespie M, Lee A, Shangraw, KA, Budd A, Valsamakis A, Perl TM. Detection of Respiratory Viruses in Nasal Aspirates of Infants Hospitalized for Reasons other than Influenza-Like Illness: Implications for Prevention of Nosocomial Viral Transmission. Abstract ***. 19th Annual Scientific Meeting of the Society for Healthcare Epidemiology of America. San Diego, March 2009.

CLINICAL ACTIVITIES

Certification

2002	Pennsylvania Medical License – MD419572 [active]
2003	Board Certified, American Board of Pediatrics (2003-2010)
2007	Maryland Medical License - D0066020 [active]
2008	Board Certified, American Board of Pediatrics, Infectious Diseases (2008-2014)

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

The Johns Hopkins Hospital

June 2007 to present	Hospital Epidemiology and Infection Control (HEIC) Committee
June 2007 to present	RSV Subcommittee of HEIC Committee

Professional Societies

American Academy of Pediatrics

2000- present	Member
2005	Fellow

Pediatric Infectious Disease Society

2004- present	Member
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Infectious Disease Society of America

2004- present	Member
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Society of Healthcare Epidemiology of America

2007-present	Member
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RECOGNITION

Honors and Awards

1993-1995	Dean's list 1993, 1994, 1995
1998	Wilbur C. Downs International Travel Research Fellowship

1999 Medical Student Research Training Fellowship
2000 Farr Scholar
2000 Election to Alpha Omega Alpha
2000 William U. Gardner Prize, "Outstanding medical thesis," Yale Medical School
2000 Society for Pediatric Research Medical Student Research Award
2005-2007 National Pediatric Infectious Disease Society Fellowship Award
2005 IDSA Travel Award
2005 Pediatric Infectious Diseases Society Award recognizing outstanding poster presentation at IDSA National Meeting
2007 IDSA Travel Award
2007 Pediatric Infectious Diseases Society Award recognizing outstanding poster presentation at IDSA National Meeting
2007-2009 Johns Hopkins Clinical Research Scholars K12 Award