

CURRICULUM VITAE
Judith M. Martin, MD

BIOGRAPHICAL

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EDUCATION and TRAINING

UNDERGRADUATE:

8/1983 - 5/1987 University of Pennsylvania
Philadelphia, PA

AB 1987
Philosophy of Science
Biologic Basis of Behavior

GRADUATE:

8/1987 - 6/1991 Icahn School of Medicine
at Mount Sinai
New York, New York

MD 1991

POSTGRADUATE:

7/1991 - 6/1994 Children's Hospital of Pittsburgh
Pittsburgh, Pennsylvania

Pediatric Residency
John Carlton Gartner, MD

7/1994 - 6/1995 Children's Hospital of Pittsburgh
Pittsburgh, Pennsylvania

Pediatric Chief Resident
Mark Sperling, MD

7/1995 - 6/1998 Children's Hospital of Pittsburgh
Pittsburgh, Pennsylvania

Fellowship
Ellen R. Wald, MD
Pediatric Infectious Diseases

8/2001 - 7/2002 Clinical Research Training Program
University of Pittsburgh
School of Medicine and the
Graduate School of Public Health

Degree received:
Certificate in Clinical
Research
Wishwa Kapoor, MD

APPOINTMENTS and POSITIONS

ACADEMIC:

<u>Years</u>	<u>Name and Location of Institution or Organization</u>	<u>Rank/Title</u>
7/1998 – 6/1999	Department of Pediatrics, Division of Infectious Diseases, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine	Instructor Pediatric Infectious Diseases
7/1999—5/2006	Department of Pediatrics, Division of Infectious Diseases, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine	Assistant Professor Pediatric Infectious Diseases
6/2006—6/2013	Department of Pediatrics, Division of Infectious Diseases, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine	Associate Professor Pediatric Infectious Diseases
7/2013—5/2018	Department of Pediatrics, Division of General Academic Pediatrics, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine	Associate Professor General Academic Pediatrics
7/2007—present	University of Pittsburgh Institutional Review Board Pittsburgh, PA	Member Human Research Protection Office
7/2013—present	University of Pittsburgh Research Conduct and Compliance Office Institutional Review Board Pittsburgh, PA	Executive Vice Chair Human Research Protection Office
5/2018—present	Department of Pediatrics, Division of General Academic, Pediatrics, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine	Professor General Academic Pediatrics

NON-ACADEMIC:

7/1998 - 6/2013	Department of Pediatrics Division of Pediatric Infectious Disease Children's Hospital of Pittsburgh Pittsburgh, PA	Attending Physician
7/2008—6/2013	Department of Pediatrics Division of Pediatric Infectious Disease Children's Hospital of Pittsburgh Pittsburgh, PA	Director Infectious Disease Clinical Trials Unit

7/2008—6/2013	Department of Pediatrics Division of Pediatric Infectious Disease Children's Hospital of Pittsburgh Pittsburgh, PA	Clinical Director Rheumatic Fever Clinic
7/2016—present	Department of Pediatrics Division of General Academic Pediatrics Children's Hospital of Pittsburgh Pittsburgh, PA	Director General Academic Pediatrics Clinical Trials Unit
5/2020—present	Department of Pediatrics Division of General Academic Pediatrics Children's Hospital of Pittsburgh Pittsburgh, PA	Director Pittsburgh Vaccine Clinical Trials Unit

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

National Board of Medical Examiners	1991
Board Certification in Pediatrics, American Board of Pediatrics (ABP)	1995
- Pediatrics Recertification ABP	2002
- Pediatrics Recertification ABP	2012
Board Certification in Pediatric Infectious Disease, American Board of Pediatrics	2001
- Pediatric Infectious Disease Recertification ABP	2008

MEDICAL or OTHER PROFESSIONAL LICENSURE:

Drug Enforcement Administration (DEA) license	1995 - present
Pennsylvania State Board of Medicine (#MD051033L)	1995 - present

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

American Academy of Pediatrics (AAP)	1991 - present
Alpha Omega Alpha Medical Honor Society	1994 - present
Infectious Disease Society of America	1995 - present
Pediatric Infectious Disease Society	1995 - present
The Lancefield Society	1998 - present
The Society for Pediatric Research	2004 - present
Public Responsibility in Medicine and Research (PRIM&R)	2014 - present

HONORS

Research

Alpha Omega Alpha Medical Honor Society	1993
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Chief Pediatric Resident - Children's Hospital of Pittsburgh	1994-1995
Michael Miller Young Investigators Award	2002
Children's Hospital of Pittsburgh Research Advisory Committee	
Selected as a Member of the Society for Pediatric Research	2004
Selected as a participate in University of Pittsburgh	2007
Course in Scientific Management and Leadership	
Fellow Diplomate American Academy of Pediatrics	
Committee Member Infectious Disease Society of America	2009-2012
Committee to Revise the Pharyngitis Guidelines	
Visiting Professor: Update on the Diagnosis and Management of Streptococcal Pharyngitis. University of Kansas Medical Center, Kansas City, KS	2012
Visiting Professor: Seminars in Clinical Research Series, Group A Streptococcal Infections in School-Aged Children. The Rockefeller University, New York, NY	2013
Visiting Professor: Clinical Research in Common Pediatric Outpatient Infections. University of North Carolina Children's Hospital, Chapel Hill, NC	2019

PUBLICATIONS

Original Peer Reviewed Publications [*denotes publications with mentees]

1. **Martin JM**, Prystowsky MB, Angeletti RH. Preproenkephalin mRNA in T-cells, macrophages and mast cells. *Journal of Neuroscience Research* 1987;18:82-87.
2. **Martin JM**, Sacks HS. Do HIV-infected children in foster care have access to clinical trials of new treatments? *AIDS and Public Policy Journal* 1990;5:3-8.
3. Trager JDK, **Martin JM**, Barbadora K, Green M, Wald ER. Probable community acquisition of Group B streptococcus in an infant with late-onset disease: Demonstration using pulsed-field gel electrophoresis. *Arch Pediatr Adolesc Med* 1996;150:766-768.
4. **Martin JM**, Neches WH, Wald ER. Infective endocarditis: Thirty-five years' experience at a children's hospital. *Clin Infect Dis* 1997;24:669-675.
5. **Martin JM**, Wald ER, Green M. Field inversion gel electrophoresis as a typing system for group A streptococcus. *J Infect Dis* 1998;177:504-507.
6. **Martin JM**. Evaluating Sore Throats in Children: The diagnosis and management of streptococcal pharyngitis. *J Clin Outcomes Manag* 1998;5:70-81.
7. **Martin JM**, Pitetti R, Maffei F, Tritt J, Smail K, Wald ER. Treatment of shigellosis with cefixime: two days vs. five days. *Pediatr Infect Dis J* 2000; 19:522-26.
8. **Martin JM**, Green M, Barbadora KA, Wald ER. Erythromycin resistant Group A streptococci in schoolchildren in Pittsburgh. *N Engl J Med* 2002;346:1200-1206.
9. **Martin JM**, Green M, Wald ER. Erythromycin-resistant Group A Streptococci (response to letter). *N Eng J Med* 2002; 347:614-615.
10. **Martin JM**, Barbadora KA, Wald ER, Green M. Classification of M Nontypeable Group A Streptococcus with the Use of Field Inversion Gel Electrophoresis. *Pediatr Pathol Mol Med* 2003; 22:303-309.
11. Banks DJ, Porcella SF, Barbian K, **Martin JM**, Musser JM. Structure and distribution of an unusual chimeric genetic element encoding macrolide resistance in phylogenetically diverse clones of Group A *Streptococcus*. *J Infect Dis* 2003;188:1899-1909.

12. Green M, **Martin JM**, Barbadora KA, Beall B, Wald ER. Reemergence of macrolide resistance in pharyngeal isolates of Group A Streptococci in Southwestern Pennsylvania. *Antimicrob Agents Chemother* 2004;48:473-476.
13. Banks DJ, Porcella SF, Barbian KD, Beres SB, Philips LE, Voyich JM, DeLeo FR, **Martin JM**, Somerville GA, Musser JM. Progress towards characterization of the Group A *Streptococcus* metagenome: Complete genome sequence of a macrolide-resistant serotype M6 strain. *J Infect Dis* 2004; 190:727-738.
14. **Martin JM**, Green M, Barbadora KA, Wald ER. Group A streptococci among school-age children: Clinical characteristics and the carrier state. *Pediatrics* 2004;114: 1212-1219.
15. Orscheln RC, Johnson DR, Olson SM, Presti RM, **Martin JM**, Kaplan EL, Storch GA. Intrinsic reduced susceptibility of serotype 6 *Streptococcus pyogenes* to fluoroquinolone antibiotics. *J Infect Dis* 2005;191:1272-1279.
16. Green M, Allen C, Bradley J, Dashefsky B, Gilsdorf JR, Marcon MJ, Schutze GE, Smith C, Walter E, **Martin JM**, Edwards KA, Barbadora KA, Rumbaugh RM, Wald ER. In vitro activity of telithromycin in macrolide-susceptible and macrolide-resistant pharyngeal isolates of Group A Streptococci in the United States. *Antimicrob Agents Chemother* 2005; 49:2487-2489.
17. Green MD, Beall B, Marcon MJ, Allen CH, Bradley JS, Dashefsky B, Gilsdorf JR, Schutze GE, Smith C, Walter EB, **Martin JM**, Edwards KM, Barbadora KA, Wald ER. Multicentre surveillance of the prevalence and molecular epidemiology of macrolide resistance among pharyngeal isolates of group A streptococci in the USA. *J Antimicrob Chemother.* 2006 Jun;57(6):1240-3.
18. **Martin JM**, Green M. Group A streptococcus. *Semin Pediatr Infect Dis.* 2006 Jul;17(3):140-8. doi: 10.1053/j.spid.2006.07.001. PubMed PMID: 16934708.
19. **Martin JM**, Barbadora KA. Continued high caseload of rheumatic fever in western Pennsylvania: Possible rheumatogenic *emm* types of *Streptococcus pyogenes* *J Pediatr.* 2006 Jul;149(1):58-63.
20. Euler CW, Ryan PA, **Martin JM**, Fischetti VA. M.SpyI, a DNA Methyltransferase Encoded on a *mefA* Chimeric Element, Modifies the Genome of *Streptococcus pyogenes*. *J. Bacteriol.* 2007, 189(3):1044-1054.
21. *Gonzalez IA, **Martin JM**. Legionella pneumophila serogroup 1 pneumonia recurrence postbone marrow transplantation. *J Infect Dis* 2007 Oct;26(10):961-3.
22. Shaikh N, **Martin JM**, Casey JR, Pichichero ME, Wald ER, Colborn DK, Gerber MA, Kearney DH, BalentineTL, Haralam MA, and Hoberman A. Development of a patient-reported outcome measure for children with streptococcal pharyngitis. *Pediatrics.* 2009; 124(4): p. e557-e563.
23. **Martin JM**. Pharyngitis and streptococcal throat infections. *Pediatr Ann.* 2010 Jan;39(1):22-7.
24. Do DH, Laus S, Leber A, Marcon MJ, Jordan JA, **Martin JM**, Wadowsky RM. A one-step, real-time PCR assay for rapid detection of rhinovirus. *J Mol Diagn.* 2010 Jan;12(1):102-8. Epub 2009 Nov 30.
25. Norris RD, Mohamed AZ, **Martin JM**, Docimo SG. *Enterococcus faecalis* cellulitis/fasciitis after hypospadias surgery. *Urology.* 2010 Jul;76(1):107-8. Epub 2010 Feb 13.
26. Shaikh N, Leonard E, **Martin JM**. Prevalence of streptococcal pharyngitis and streptococcal carriage in children: a meta-analysis. *Pediatrics.* 2010; Aug; e557-e564.

27. *Chadwick SL, Wilson JW, Levin JE, **Martin JM**. Cerebrospinal Fluid Characteristics of Infants Who Present to the Emergency Department with Fever: Establishing Normal Values by Week of Age. *Pediatr Infect Dis J* 2011 Apr;30(4):e63-7.
28. **Martin JM**, Danziger-Isakov LA. Cytomegalovirus risk, prevention, and management in pediatric solid organ transplantation. *Pediatr Transplantation* 2011; 15: 229–236.
29. Blatter MM, Klein NP, Shepard JS, Leonardi M, Shapiro S, Schear M, Mufson MA, **Martin JM**, Varman M, Grogg S, London A, Cambron P, Douha M, Nicholson O, da Costa C and Innis BL. Immunogenicity and Safety of Two Tetravalent (Measles, Mumps, Rubella, Varicella) Vaccines Coadministered With Hepatitis A and Pneumococcal Conjugate Vaccines to Children Twelve to Fourteen Months of Age. *Pediatr Infect Dis J* 2012;31: e133–e140.
30. Shulman ST, Bisno AL, Clegg H, Gerber MA, Kaplan EL, Lee G, **Martin JM**, VanBeneden C. 2012 Update To The IDSA Practice Guidelines for the Diagnosis and Management Of Group A Streptococcal Pharyngitis. *Clin Infect Dis.* (2012) 55(10): e86-e102 first published online September 9, 2012 doi:10.1093/cid/cis629.
31. Shaikh N, **Martin JM**. The Role of Clinical Scoring Systems in the Management of Streptococcal Pharyngitis. *British Medical Journal* December 2013.
32. Shaikh N, **Martin JM**. Delayed prescription worsens reported symptoms and increases antibiotic use compared with clinical score with or without rapid antigen testing in patients with sore throat. *Evid Based Med.* 2014 Jun;19(3):117. doi: 10.1136/eb-2013-101648. Epub 2014 Jan 17.
33. **Martin JM**, Hoberman A, Paradise JL, Barbadora KA, Shaikh N, Bhatnagar S, Shope T, Block SL, Haralam MA, Kurs-Lasky M, Colborn DK, Green M. Emergence of *Streptococcus pneumoniae* Serogroups 15 and 35 in Nasopharyngeal Cultures from Young Children with Acute Otitis Media. *Pediatr Infect Dis J* 2014 Nov;33(11):e286-90. PMID: 24911895.
34. **Martin JM**. The Mysteries of Streptococcal Pharyngitis. *Curr Treat Options Peds* 2015 1:180–189.
35. McGhee W, Michaels MG, **Martin JM**, Mazariegos GV, Green M. Antifungal Lock Therapy with Liposomal Amphotericin B: A Prospective Trial. *J Pediatric Infect Dis Soc.* 2016 Mar;5(1):80-4. doi: 10.1093/jpids/piu083.
36. Shaikh N, Shope TR, Hoberman A, Vigliotti A, Kurs-Lasky M, **Martin JM**. Association between uropathogen and pyuria. *Pediatrics.* 2016;138 (1):e20160087. PMID: 27328921.
37. *Janowski AJ, Michaels MG, **Martin JM**, Green MD. Piperacillin-Tazobactam Usage at a Tertiary Pediatric Hospital: An Antimicrobial Stewardship Review. *Journal of the Pediatric Infectious Diseases Society J Pediatric Infect Dis Soc.* 2016 Sep;5(3):342-5. doi: 10.1093/jpids/piv036.
38. *Lawrence KG, Lee B, Dewar S, Shah J, Dohar JE, Nowalk AJ, **Martin JM**. *Bacteroides* Bacteremia Complicating Orogenic Lemierre's Syndrome. *Int J Pediatr Otorhinolaryngol.* 2016 Sept;13: 53-56.
39. Levine M, **Martin JM**, Gross FL, Jefferson S, Cole L, Archibald C, Nowalk MP, Susick M, Moehling K, Spencer S, Chung J, Flannery B, Zimmerman R. Neutralizing Antibody Responses to Antigenically Drifted Influenza A(H3N2) Viruses Among Children and Adolescents Following 2014-15 Inactivated and Live Attenuated Influenza Vaccination. *Clin Vaccine Immunol.* 2016 Oct 4;23(10):831-839. Print 2016 Oct.
40. Hoberman A, Paradise JL, Rockette HE, Kearney DH, Sonika Bhatnagar S, Shope TR, **Martin JM**, Kurs-Lasky M, Copelli SJ, Colborn DK, Block SL, Labella JJ, Lynch TG, Cohen NL, Haralam MA, Pope MA, Nagg JP, Green MD, Shaikh N. Shortened

- Antimicrobial Treatment for Acute Otitis Media in Young Children. *N Engl J Med.* 2016 Dec 22;375(25):2446-2456. PMID: 28002709.
41. Williams DJ, Hall M, Gerber JS, Neuman MI, Hersh AL, Brogan TV, Parikh K, Mahant S, Blaschke AJ, Shah SS, Grijalva CG, Pediatric Research in Inpatient Settings Network. Impact of a National Guideline on Antibiotic Selection for Hospitalized Pneumonia. *Pediatrics.* 2017 Mar 8. pii: e20163231. doi: 10.1542/peds.2016-3231.
 42. Lin CJ, **Martin JM**, Cole KS, Zimmerman RK, Susick M, Moehling KK, Levine MZ, Spencer S, Flannery B, Nowalk MP. Are Children's Vitamin D Levels and BMI Associated with Antibody Titers Produced in Response to 2014-2015 Influenza Vaccine? *Hum Vaccin Immunother.* 2017 Mar 31:1-5. doi: 10.1080/21645515.2017.1299837
 43. *Janowski AJ, Michaels MG, **Martin JM**, Green MD. Piperacillin-Tazobactam Usage at a Tertiary Pediatric Hospital: An Antimicrobial Stewardship Review. *Journal of the Pediatric Infectious Diseases Society J Pediatric Infect Dis Soc.* 2016 Sep;5(3):342-5. doi: 10.1093/jpids/piv036.
 44. Kim JH, Mishina M, Chung JR, Cole KS, Nowalk MP, **Martin JM**, Spencer S, Flannery B, Zimmerman RK, Sambhara S. Cell-mediated immunity against antigenically drifted influenza A(H3N2) viruses in children during a vaccine mismatch season. *J Infect Dis.* 2016 Oct 1;214(7):1030-8.
 45. Levine M, **Martin JM**, Gross FL, Jefferson S, Cole L, Archibald C, Nowalk MP, Susick M, Moehling K, Spencer S, Chung J, Flannery B, Zimmerman R. Neutralizing Antibody Responses to Antigenically Drifted Influenza A(H3N2) Viruses Among Children and Adolescents Following 2014-15 Inactivated and Live Attenuated Influenza Vaccination. *Clin Vaccine Immunol.* 2016 Oct 4;23(10):831-839. Print 2016 Oct.
 46. Hoberman A, Paradise JL, Rockette HE, Kearney DH, Sonika Bhatnagar S, Shope TR, **Martin JM**, Kurs-Lasky M, Copelli SJ, Colborn DK, Block SL, Labella JJ, Lynch TG, Cohen NL, Haralam MA, Pope MA, Nagg JP, Green MD, Shaikh N. Shortened Antimicrobial Treatment for Acute Otitis Media in Young Children. *N Engl J Med.* 2016 Dec 22;375(25):2446-2456. PMID: 28002709.
 47. **Martin JM**, Macias-Parra M, Mudry P, Conte U, Yan JL, Liu P, Capparella MR, Aram JA. Safety, Efficacy, and Exposure-Response of Voriconazole in Pediatric Patients With Invasive Aspergillosis, Invasive Candidiasis or Esophageal Candidiasis. *Pediatr Infect Dis J.* 2017 Jan;36(1):e1-e13. doi: 10.1097/INF.0000000000001339. PubMed PMID: 27636722; PubMed Central PMCID: PMC5345593.
 48. Lin CJ, **Martin JM**, Cole KS, Zimmerman RK, Susick M, Moehling KK, Levine MZ, Spencer S, Flannery B, Nowalk MP. Are Children's Vitamin D Levels and BMI Associated with Antibody Titers Produced in Response to 2014-2015 Influenza Vaccine? *Hum Vaccin Immunother.* 2017 Mar 31:1-5. doi: 10.1080/21645515.2017.129983
 49. Shaikh N, Hoberman A, **Martin JM**, Shope TR. Author's Response: Response to Comments by Drs Schroeder and Jain. *Pediatrics.* 2017 Mar;139(3). doi: 10.1542/peds.2016-3814C. PubMed PMID: 28246346.
 50. Shope TR, Walker BH, Aird L, Southward L, McCown JS, **Martin JM**. Preparedness for Pandemic Influenza Among United States Child Care Center Directors: 2008 and 2016. *Pediatrics* 2017 139, number 6, June 2017:e20163690.
 51. *Shaikh N, Dando EE, Dunleavy ML, Curran DL, **Martin JM**, Hoberman A, Smith KJ. A cost-utility analysis of five strategies for treating acute otitis media in children. *J Pediatr* 2017 Jun pii: S0022-3476(17)30740-0. doi: 10.1016/j.jpeds.2017.05.047.
 52. Hoberman A, Paradise JL, Rockette HE, Jeong JH, Kearney DH, Bhatnagar S, Shope TR, Muniz G, **Martin JM**, Kurs-Lasky M, Haralam MA, Pope MA, Nagg JP, Zhao W, Kowser Miah M, Beumer J, Venkataramanan R, Shaikh N. Reduced-Concentration Clavulanate for Young Children with Acute Otitis Media. *Antimicrob Agents Chemother.* 2017 Apr 24. pii: AAC.00238-17. doi: 10.1128/AAC.00238-17.

53. Hoberman A, Paradise JL, Rockette HE, Jeong JH, Kearney DH, Bhatnagar S, Shope TR, Muñiz G, **Martin JM**, Kurs-Lasky M, Haralam M, Pope MA, Nagg JP, Zhao W, Miah MK, Beumer J, Venkataramanan R, Shaikh N. Erratum for Hoberman et al., "Reduced-Concentration Clavulanate for Young Children with Acute Otitis Media". *Antimicrob Agents Chemother.* 2018 Jan;62(1). doi: 10.1128/AAC.02110-17. Print 2018 Jan. PubMed PMID: 29269433; PubMed Central PMCID: PMC5740386.
54. Cole KS, **Martin JM**, Horne W, Lin C, Nowalk MP, Alcorn J, Zimmerman RK. Differential Gene Expression Elicited by Children in Response to the 2015-16 Live Attenuated versus Inactivated Influenza Vaccine. *Vaccine.* 2017 Dec 14;35(49 Pt B):6893-6897. doi: 10.1016/j.vaccine.2017.09.019. Epub 2017 Nov 11. PubMed PMID: 29132989; PubMed Central PMCID: PMC5711596.
55. **Martin JM**, Hoberman A, Barbadora KA, Shaikh N, Bhatnagar S, Shope T, Block SL, Haralam MA, Kurs-Lasky M, Green M. Changes Over Time in Nasopharyngeal Colonization in Children under 2 Years of Age at the Time of Diagnosis of Acute Otitis Media (1999-2014). *Open Forum Infect Dis.* 2018 Feb 17;5(3):ofy036. doi: 10.1093/ofid/ofy036. eCollection 2018 Mar. PMID:29588912
56. **Martin JM**, Avula R, Nowalk MP, Lin C, Horne WT, Chandran UR, Nagg JP, Zimmerman RK, Cole KS, Alcorn JF. Inflammatory Mediator Expression Associated with Antibody Response Induced by Live Attenuated Inactivated versus Inactivated Influenza Virus Vaccine in Children. *Open Forum Infectious Diseases*, Volume 5, Issue 11, 1 November 2018, ofy277, doi.org/10.1093/ofid/ofy277.
57. **Martin JM**, Simonian A, Muniz G, Green M, Shaikh N. Comparison of Bacterial Culture Results Obtained from Nasopharyngeal and Mid-turbinate Swabs in Children with Upper Respiratory Tract Infection Symptoms. *Pediatr Infect Dis J.* 2018 Nov;37(11) e275-7. doi: 10.1097/INF.0000000000002027
58. Shaikh N, **Martin JM**, Hoberman A, Skae M, Milkovich L, Nowalk A, McElheny C, Hickey RW, Kearney D, Majd M, Shalaby-Rana E, Tseng G, Alcorn JF, Kolls J, Kurs-Lasky M, Huo Z, Horne W, Lockhart G, Pohl H, Shope TR. Host and Bacterial Markers that Differ in Children with Cystitis and Pyelonephritis. *J Pediatr.* 2019 Mar 21. pii: S0022-3476(19)30027-7. doi: 10.1016/j.jpeds.2019.01.012
59. *Lopez SMC, **Martin JM**, Johnson M, Kurs-Lasky M, Horne WT, Marshall CW, Cooper VS, Williams JV, Shaikh N. A method of processing nasopharyngeal swabs to enable multiple testing. *Pediatr Res.* 2019 Jul 9. doi: 10.1038/s41390-019-0498-1.
60. Shope TR, Walker BH, Aird L, Southward L, McCown JS, **Martin JM**. Influenza Vaccine Requirements in US Child Care Centers. *J Pediatric Infect Dis Soc.* 2019 Dec 12;. doi: 10.1093/jpids/piz078. PubMed PMID: 31828319.
61. *Lewnard JA, Whittles JK, Rick AM, **Martin JM**. Naturally-acquired Immunity Against Group A *Streptococcus* in a Longitudinal Cohort Study. *Clin Infect Dis.* 2020 Jan 19;. doi: 10.1093/cid/ciaa044. PubMed PMID: 31955205.
62. Shaikh N, **Martin JM**, Hoberman A, Skae M, Milkovich L, McElheny C, Hickey RW, Gabriel LV, Kearney DH, Majd M, Shalaby-Rana E, Tseng G, Kolls J, Horne W, Huo Z, Shope TR. Biomarkers that differentiate false positive urinalyses from true urinary tract infection. *Pediatr Nephrol.* 2020 Feb;35(2):321-329. doi: 10.1007/s00467-019-04403-7. Epub 2019 Nov 22. PubMed PMID: 31758242; PubMed Central PMCID: PMC6942213..
63. *Rick AM, Zaheer HA, **Martin JM**. Clinical Features of Group A Streptococcus in Symptomatic Children: Carriers versus Acute Infection. *Pediatr Infect Dis J.* 2020 June, 39(6):483-488.
64. Alcorn JF, Avula R, Chakka A, Nowalk MP, Lin C, Ortiz MA, Horne WT, Chandran UR, Nagg JP, Zimmerman RK, Cole KS, Moehling KK, **Martin JM**. Differential Gene Expression in Peripheral Blood Mononuclear Cells from Children Immunized with

- Inactivated Influenza Vaccine; Hum Vaccin Immunother. 2020 Apr 16:1-9. doi: 10.1080/21645515.2020.1711677. [Epub ahead of print] PMID:32298194.
65. *Koenig L, **Martin JM**. Prescriptions for Community-acquired Pneumonia in Outpatient vs. Emergency Department Settings. Submitted to Ped Infect Dis J February 2020.

REVIEW PAPERS, INVITED PAPERS, BOOKS, BOOK CHAPTERS:

1. **Martin JM**, Stevens D. Therapy of Group A streptococcal infections. In: Antimicrobial Therapy and Vaccines Volume I: Microbes. www.antimicrobe.org (Yu VL, Merigan TC, Barriere SL ed.) ESun Technologies, 2006.
2. **Martin JM**, Green M. Group A Streptococcus. Semin Pediatr Infect Dis. Elsevier. 2006 Jul; 17(3):140-148.
3. **Martin JM**. Pharyngitis (Sore Throat). In Antimicrobial Therapy and Vaccines: Empiric. www.antimicrobe.org (Yu VL, Merigan TC, Barriere SL ed.) ESun Technologies, 2007.
4. **Martin JM**. Therapy of Group A streptococcal infections. In: Antimicrobial Therapy and Vaccines Volume I: Microbes. www.antimicrobe.org (Yu VL, Merigan TC, Barriere SL ed.) ESun Technologies, 2015.
5. **Martin JM**. Group A Streptococcal Carriage. In: *Streptococcus pyogenes*, Basic Biology to Clinical Manifestations. <http://www.ncbi.nlm.nih.gov/books/NBK333424/> (Ferretti JJ, Stevens DL, Fischetti VA ed.). Oklahoma City (OK): University of Oklahoma Health Sciences Center; 2016.

Published Abstracts/Conference Proceedings/Scientific Presentations:

1. **Martin JM**, Wald ER. Infective endocarditis: Thirty-five years' experience at a major children's hospital. Pediatric Research 1995;37:183A.Abstract 1081.
2. Hoberman A, Hickey R, Wald E, Reynolds E, Charron M, Scherzer DJ, **Martin JM**. Pyuria as a marker of infection vs. colonization of the urinary tract in febrile children 1-24 months. Pediatric Research 1995;37:139A.Abstract 816.
3. **Martin JM**, Barbadora KA, Wald ER, Facklam RR, Green MD. Ongoing experience with field inversion gel electrophoresis (FIGE) as a typing system for group A streptococcus. Pediatric Research 1996;39:179A.Abstract 1058.
4. **Martin JM**, Wald ER, Webber SA, Michaels MG. Recurrent Streptococcus pneumoniae bacteremia in pediatric thoracic organ transplant recipients. Abstract submitted for the 1997 meeting, The American Society of Transplant Physicians.
5. **Martin JM**, Pitetti R, Maffei F, Tritt J, Smail K, Wald ER. Treatment of shigellosis with cefixime: Two days vs five days. Pediatric Research 1997;41:126A. Abstract 740.
6. *Makoroff KL, **Martin JM**, Wald ER. Cerebrospinal fluid cell (CSF) counts in infants < 60 days of age. Pediatric Research 1997;41:223A.Abstract 1325.
7. **Martin JM**, Barbadora KA, Wald ER, Facklam RR, Green M. The use of field inversion gel electrophoresis to classify M nontypeable group A streptococcus. Abstract accepted to the 37th Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, Canada, September 1997.
8. Green M, Barbadora K, **Martin J**, Wald ER. Analysis of penicillin-resistant Streptococcus pneumoniae from a single center with field inversion gel electrophoresis. Abstract accepted to the 37th Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, Canada, September 1997.

9. **Martin JM**, Burckart GJ, Howrie D, Wald ER. The pharmacokinetics of oral ganciclovir in pediatric patients with cytomegalovirus infections. *Clin Infect Dis* 1997;25:487, Abstract 714.
10. Michaels, MG, Estabrook M, Barrocas J, Green M, **Martin JM**, Wald E. Evaluation of triple drug combination therapy in children infected with human immunodeficiency virus. Abstract accepted to the 36th Annual Meeting of the Infectious Disease Society of America, November 1998. *Clin Infect Dis* 1998;27:1003, Abstract 433.
11. Green M, **Martin JM**, Farley A, Barbadora K, Wald ER. Simultaneous spread of different clones of vancomycin-resistant *Enterococcus faecium* (VREF) in a Children's hospital. Abstract accepted to the 36th Annual Meeting of the Infectious Disease Society of America, November 1998. *Clin Infect Dis* 1998;27:1035, Abstract 603.
12. **Martin JM**, Green M, Barbadora KA, Lucca KL, Evangelista TR, Wald ER. High frequency of subclinical Group A Streptococcal infections in children. Abstract accepted to the 37th Annual Meeting of the Infectious Disease Society of America, November 1999. *Clin Infect Dis* 1999;29:984, Abstract 126.
13. **Martin JM**, Green M, Barbadora KA, Lucca KL, Evangelista TR, Wald ER. High frequency of Group A Streptococcal infections in children in a school setting – an update. Abstract accepted to the 38th Annual Meeting of the Infectious Disease Society of America, September 2000, New Orleans, LA, *Clin Infect Dis* 2000;31:233, Abstract 116.
14. **Martin JM**, Wald ER, Barbadora KA and Green M. High frequency of erythromycin resistance in pharyngeal Group A Streptococcal isolates in children in a school setting. Abstract accepted to the Interscience Conference on Antimicrobial Agents and Chemotherapy December 2001, Chicago, IL.
15. Green M, Wald ER, Barbadora K, **Martin JM**. Surveillance for macrolide resistance in pharyngeal isolates of Group A Streptococci: One year follow-up to outbreak in southwestern Pennsylvania. Abstract submitted to Infectious Disease Society of America Annual Meeting, October 2002, Chicago, IL.
16. Orscheln RC, Johnson DR, Olson SM, Presti RM, **Martin JM**, Kaplan EL, Storch GA. *Streptococcus pyogenes* of M/emm type 6 possesses natural resistance to fluoroquinolones. Abstract submitted to National Foundation for Infectious Diseases, June 2004 Annual Conference on Antimicrobial Resistance.
17. Green M, Allen C, Beall B, Bradley J, Dashefsky B, Gilsdorf JR, Marcon MJ, Schutze GE, Smith C, Walter E, **Martin JM**, Barbadora K, Wald ER. Molecular Epidemiology of Macrolide Resistant (MR) Group A Streptococci (GAS) in the US: Results of Multicenter Surveillance (2002-2003). The 42nd Annual Meeting of IDSA, Boston, MA. September 30 - October 3, 2004. Abst# 343.
18. Green M, Allen C, Beall B, Bradley J, Dashefsky B, Gilsdorf JR, Marcon MJ, Schutze GE, Smith C, Walter E, **Martin JM**, Barbadora K, Rumbaugh R, Wald ER. Macrolide Resistance Among Pharyngeal Isolates of Group A Streptococci (GAS) in the USA: Multicenter Surveillance Study Year 2 (2003-2004). The 42nd Annual Meeting of IDSA, Boston, MA. September 30 - October 3, 2004. Abst# 344.
19. *Keough WL, Turkson N, **Martin JM**, Green MD, Buchanan J, Nizet V, Mietzner TA. *MefA* Mediated Macrolide Resistance (MR) in Clonal Group A Streptococcus (GAS) Isolates. The 42nd Annual Meeting of IDSA, Boston, MA. September 30 - October 3, 2004. Abst# 347.
20. Green M, Allen C, Beall B, Bradley J, Dashefsky B, Gilsdorf JR, Marcon MJ, Schutze GE, Smith C, Walter E, **Martin JM**, Barbadora K, Rumbaugh R, Wald ER. Macrolide

- Resistance (MR) Among Pharyngeal Isolates of Group A Streptococci (GAS) in the USA: Multicenter Surveillance Study Year 3 (2004-2005). The 42nd Annual Meeting of IDSA, San Francisco, CA. October 6-9, 2005. Abst# 493.
21. Euler C, Ryan P, **Martin JM**, Fischetti. A DNA methyltransferase contained on a mefA-encoding lysogenic phage may play a role in host strain survival and pathogenesis. Presented at the Lancefield Society Meeting, September 2005.
 22. Klein N, Shepard J, Yatar-Ituriaga A, Leonard M, Twiggs J, Shapiro S, Hedrick J, Schear M, Mufson M, **Martin JM**, Varman M, Blatter M, Grogg S, London A, Andrews W, Brockmyre A, Cambron P, Nicholson O, Innis B, Douha M, daCosta C. Immunogenicity and Safety of GSK Biologicals' MMRV Vaccine Versus ProQuad® When Co-administered with Hepatitis A and Pneumococcal Conjugate Vaccines to Children Aged 12-14 Months. Presented at the 13th Annual Conference on Vaccine Research, North Bethesda, MD, April 2010, Abst# P28.
 23. ***Martin JM**, Hoyson M, Squires RH. Ethanol Lock Therapy for the Prevention of Catheter Related Blood Stream Infections in Pediatric Patients. The 48th Annual Meeting of IDSA, Vancouver, British Columbia, October 2010. Abst# 496.
 24. McGhee W, **Martin JM**, Michaels M, Mazariegos, GV, Green MD. A Prospective Study of Antifungal Lock Therapy (AFLT) in Central Line (CL) Infections in Pediatric Patients (PTs). The 48th Annual Meeting of IDSA, Vancouver, British Columbia, October 2010. Abst# 563.
 25. **Martin JM**, Macias-Parra M, Mudry P, Conte U, Yan J, Capparella R, Aram J. Safety and Efficacy of Voriconazole in Pediatric Patients with Invasive Candidiasis, Esophageal Candidiasis, and Invasive Aspergillosis. The 52nd Annual Meeting of IDSA, Philadelphia, PA, October 2014. Abst# 3075.
 26. **Martin JM**, Hoberman A, Shope T, Green M. Changes in Nasopharyngeal *Haemophilus influenzae* Colonization in Children 6 through 23 Months of Age at the Time of Diagnosis of an Episode of Acute Otitis Media (1999-2014). The 52nd Annual Meeting of IDSA, Philadelphia, PA, October 2014. Abst# 963.
 27. Jefferson SN, **Martin JM** Neutralizing Antibody Responses to Drifted Influenza A(H3N2) Viruses among Children and Adolescents following 2014-15 Inactivated and Live Attenuated Influenza Vaccination. 2016 American Society for Virology 35th Annual Meeting. Virginia Tech, Blacksburg, VA.
 28. Archibald C, Elbourne V, **Martin JM**, Moehling K, Susick M, Nowalk P, Zimmerman RK, Cole K. Comparison of Influenza Vaccine Regimens in Pediatric Patients: Immunity and Efficacy in 2014-2015. 2016 American Association of Immunologists Annual Meeting. Seattle, WA.
 29. Cole KS, **Martin JM**, Nowalk MP, Zimmerman RK. Differential Gene Expression Elicited by Children in Response to the 2015-16 Live Attenuated versus Inactivated Influenza Vaccine. 2017 IDWeek. October 2017 San Diego, CA.
 30. *Rick AM, Zaheer H, **Martin JM**. Comparison of Clinical Symptoms in Children who Present with Sore Throat who are Later Determined to be Carriers versus Acutely Infected. 2018 IDWeek San Francisco, CA.
 31. *Lopez SMC, **Martin JM**, Johnson M, Williams JV, Shaikh N. Viral coinfection and nasal cytokines in children with acute bacterial sinusitis. 2018 IDWeek San Francisco, CA.

32. *Koenig LJ, **Martin JM**. Comparison of Prescribing Practices for Community-Acquired Pneumonia (CAP) Among Outpatient versus Emergency Department Settings. 2018 IDWeek San Francisco, CA.
33. Moehling K, Lin CJ, **Martin JM**, Alcorn JF, Susick M, Levine M, Flannery B, Zimmerman RK. A Randomized Controlled Trial of Antibody Response to 2018-19 Cell-based vs. Egg-based Quadrivalent Inactivated Influenza Vaccine in Children. 2019 IDWeek Washington DC.

OTHER PUBLICATIONS:

1. Shaikh N, Shope TR, Hoberman A, **Martin JM**. Response to comments by Drs. Schroeder and Jain regarding "Association between uropathogen and pyuria", Pediatrics. October 18, 2016.

PROFESSIONAL ACTIVITIES

CLINICAL SERVICE

Inpatient Clinical Service

- 1998 – 2013 10-13 weeks per year of inpatient service covering Infectious Disease consultations for common pediatric infections, complex medical patients, children who are severely immune suppressed such as those who have received organ transplantation and severely ill patients in the Intensive Care Units of Children's Hospital of Pittsburgh of UPMC. This included teaching and supervision of multi levels of learners: medical students, residents and Infectious Disease Fellows.
- 2002 – 2008 General Pediatric Inpatient Ward Rotator Attending; one week per year supervising and providing care to children admitted to the general pediatric ward. This included teaching and supervision of multi levels of learners: medical students and residents.

Outpatient Clinical Service

- 1998- 2013 18-20 weeks per year of outpatient service covering Infectious Disease consultations for common pediatric infections, performing evaluations of children prior to organ transplantation, primary care for children with Human Immunodeficiency Virus (HIV) infection, evaluation for children with Methicillin Resistant *Staphylococcus aureus* (MRSA) skin and soft tissue infections. I served as the local expert regarding: children with recurrent Group A streptococcal infections, Acute Rheumatic Fever and Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections (PANDAS). This included teaching and supervision: Infectious Disease Fellows.
- 2018 – present Outpatient Infectious Disease clinical consults as needed for common pediatric infections, neonatal exposure in utero to Hepatitis C, Hepatitis B, or Cytomegalovirus, evaluation for children with skin rashes, as well as skin and soft tissue infections such as Methicillin Resistant *Staphylococcus aureus*

(MRSA). I served as the local expert regarding: children with Group A streptococcal infections, and Acute Rheumatic Fever. This includes teaching and supervision: Pediatric Residents and medical students.

TEACHING

Medical Student Teaching –University of Pittsburgh School of Medicine

- 1994-2013 Third year medical student teaching conferences; three times per year
1995-2011 Second year medical students - Integrated Cases; once per year: required supervising the discussion of three cases. 3 days a week for a total of 30 hours small group discussion time over four weeks.
1995-2011 Second year medical students - Physical Diagnosis; 20 hours, once per year.
2001-2010 Second year medical students - Host Defense Course, Sequelae of Group A Streptococcus Infections. One lecture, once per year.
2001-2010 First year medical students – Medical Microbiology/Host Defenses Course. One lecture, once per year.

Resident Teaching – Children’s Hospital of Pittsburgh

- 1994 -1998 Pediatric Advanced Life Support; 8 hours per session, 2-3 sessions per year for pediatric residents.
1998 - 2010 Pediatric Resident Morning Report and Teaching Conferences; one hour, 5-6 times per year.
1998 - 2010 Pediatric Resident Scholarly Projects and Case Discussant; 3 cases per year.
2002 - 2008 General Pediatric Inpatient Ward Rotator Attending; daily rounds with discussion of the patients and teaching.

Fellow Teaching - Children’s Hospital of Pittsburgh

- 1995 - 2013 Infectious Disease Grand Rounds; presented twice per year to large group of residents, fellows and attendings.
1995 - 2013 Infectious Disease Case Conferences; presented 10-13 times per year when covering the inpatient consultation service to the residents, fellows and other Pediatric Infectious Disease attendings.
1995 - 2013 Infectious Disease Journal Club; four times per year to the residents, fellows and other Pediatric Infectious Disease attendings.
2002 - Present Infectious Disease Fellow ID Teaching Conferences; three times per year to the residents, fellows and other Pediatric Infectious Disease attendings.

Curriculum Development and Course Design

- 2006-2013 Co Director; Children’s Hospital of Pittsburgh, Department of Pediatrics Unified Fellows Course. Developed curriculum of over 20 teaching sessions delivered each year to the Fellows in the various divisions in the Department of Pediatrics. This course is ongoing and maintains a similar format and content.
Recurrent lectures presented by me included:
Scientific Literature Evaluation
Professionalism in Medicine
How to teach on rounds and in clinic
How to prepare for subspecialty board examinations

FACULTY DEVELOPMENT COURSES ATTENDED:

2007 Participant in University of Pittsburgh
 Course in Scientific Management and Leadership, Pittsburgh, PA
2014- 2019 Yearly Participant in Women in Medicine and Science Forum

Recent Mentoring

*Indicates publication resulted from the project and is listed in the publication section.

Trainee	Mentoring period dates	Title of research project	Context of mentoring	Current position and institution
Undergraduate Students				
Cortney Owoc	6/07-8/07	Rheumatic Fever and Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections (PANDAS)	Undergraduate Summer Research Advisory Committee Student and Honor Thesis for Allegheny College	Pediatric Emergency Medicine Attending, Akron General Medical Center Akron, OH
Katherine Hoyson Baeder	6/08-8/08	Longitudinal Study of Children with Streptococcal Pharyngitis	Undergraduate Summer Research Advisory Committee Student	Pediatric Resident, Albert Einstein College of Medicine, Bronx, NY Pediatrician, CCP - Bellevue Pediatric Associates
Mitchell Hoyson	6/09-8/09 and 6/10-8/10	Ethanol Locks to Prevent Catheter Related Infections*	Undergraduate Summer Research Advisory Committee Student	Family Medicine Resident, West Virginia University School of Medicine, Morgantown, WV
Katelynn Jackson	6/10-5/11	Ethanol Locks to Prevent Catheter Related Infections	Undergraduate Independent Project	Undergraduate, Medical Student
John Ries	6/11-8/11	Rheumatic Fever and PANDAS	Undergraduate Summer Research Advisory Committee	Undergraduate, Medical Student
Kimberly Jenkins	6/11-8/11	MRSA infections in Children	Undergraduate Summer Research Advisory Committee	Medical Student, Penn State College of Medicine
Cassandra Ondeck	6/12-8/12	Rheumatic Fever and PANDAS	Undergraduate Summer Research Advisory Committee	Medical Student, Penn State College of Medicine, Resident, Obstetrics and Gynecology, Sinai Hospital of Baltimore

Trainee	Mentoring period dates	Title of research project	Context of mentoring	Current position and institution
Anna Grandis	6/15-8/15	Rheumatic Fever	Undergraduate Summer Research Advisory Committee	Graduating Brandeis University 2017 City Year, Boston 2017-18 Medical School at UCSF Fall 2018
Daniel Owoc	6/16-8/16	Streptococcal pharyngitis and viral symptoms	Undergraduate Summer Research Advisory Committee	International Dual Master's Degree Program: Environmental Science Management and Sustainability, James Madison University, Harrisonburg, VA
Haniah Zaheer*	1/2018-present	Streptococcal pharyngitis and viral symptoms	Undergraduate Medical Research for credit	University of Pittsburgh School of Medicine, Medical Student Fall 2019
Steve Hart	6/2019-present	Comparing prescribing practices for acute otitis media	Undergraduate Medical Research for credit	University of Pittsburgh Undergraduate
Medical Students				
Mark Dunleavy*	6/13-8/13	Cost Effectiveness of Treatment of AOM Co Authored a manuscript together*	Medical Student, Summer Research Advisory Committee	Medical Student, Geisinger Commonwealth School of Medicine
Leah Koenig*	6/14- 8/14	Sinusitis Symptom Scales;	Dean's Summer Research Internship Program; Scholarly Project	Medical Student, University of Pittsburgh School of Medicine followed by Internal Medicine Residency at UPMC, University of Pittsburgh, Pittsburgh, PA
Carly Heck		Comparing prescribing practices for community acquired pneumonia	Dean's Summer Research Internship Program; Scholarly Project	Medical Student, University of Pittsburgh School of Medicine

Trainee	Mentoring period dates	Title of research project	Context of mentoring	Current position and institution
Pediatric Residents				
Mary Margaret Kim, MD	2006-2008	Career Advising	Mentor Committee	Pediatrician Monument Avenue Pediatrics · Richmond, VA
Andrew Janowski, MD*	2013-2015	Project Mentor: Piperacillin-Tazobactam Usage at a Tertiary Pediatric Hospital Co Authored a manuscript together*	Pediatric Resident scholarly project	Fellowship, Pediatric Infectious Disease, Washington University, St. Louis, MO
Daniel Lowenstein, MD	2012-2014	Project Mentor: Neuropsychiatric Manifestations of Chorea-	Pediatric Resident scholarly project	Neurology Attending Private Practice, Boston, MA
Karena Lawrence, MD*	2014-2015	<i>Bacteroides</i> Bacteremia Complicating Otogenic Lemierre's Syndrome Co Authored a manuscript together*	Pediatric Resident scholarly project	Neonatology Fellowship, University of Pittsburgh Medical Center Pittsburgh, PA
Graduate Students				
Sara L. Chadwick, MPH*	2009	Cerebrospinal Fluid Characteristics of Infants Who Present to the Emergency Department with Fever: Establishing Normal Values by Week of Age Co Authored a manuscript together*	Masters University of Pittsburgh, School of Public Health	Certified Genetic Counselor Children's Hospital and Clinics of Minnesota

Trainee	Mentoring period dates	Title of research project	Context of mentoring	Current position and institution
Anita Simonian, MPH*	2015	Comparison of Nasal Swabs Obtained from Mid Turbinate vs. Nasopharyngeal locations Co Authored a manuscript together*	MPH thesis committee	MPH student, University of Pittsburgh Graduate School of Public Health
Fellows				
William Keough, MD, MS	2002-2005	Group A streptococcal infections	Scholarship Oversight Committee Pediatric Infectious Disease Fellow	Attending Physician, General Pediatrics, Children's Hospital of Philadelphia, Philadelphia, PA
Ivan Gonzalez, MD	2004-2007	Antimicrobial Peptides. Co Authored a manuscript together*	Scholarship Oversight Committee Pediatric Infectious Disease Fellow	Assistant Professor Pediatric Infectious Disease University of Miami Hospital · Miami, FL
Karen Ravin, MD	2005-2008	RSV infections in infants	Scholarship Oversight Committee and Project Mentor: Pediatric Infectious Disease Fellow	Assistant Professor Pediatric Infectious Disease Nemours Alfred I duPont Hospital Infectious Diseases · Wilmington, DE
Roberto Ortiz Aguayo, MD	2006-2008	Motor Tics and Obsessive Compulsive Disorder and Streptococcal Infections	Project Mentor: Child Psychiatry Fellow	Assistant Professor of Psychiatry and Pediatrics, Behavioral Science Divisions Children's Hospital of Pittsburgh, Pittsburgh, PA
Terri Stillwell, MD	2008-2011	Antimicrobial Stewardship Inpatient Pediatrics	Scholarship Oversight Committee Member: Pediatric Infectious Disease Fellow	Assistant Professor Pediatric Infectious Disease University of Michigan, Mott's Children's Hospital, Ann Arbor, MI

Trainee	Mentoring period dates	Title of research project	Context of mentoring	Current position and institution
Glenda Vanessa Wright Pettaway, MD, MPH	2010-2011	Measles in Pediatrics. Masters in Clinical Science	Master's Thesis Committee Member: Pediatric Infectious Disease Fellow	Assistant Professor East George Healthcare Center Swainsboro, GA
Brian Campfield, MD	2009-2012	Project: Follistatin-like Protein	Scholarship Oversight Committee Member: Pediatric Infectious Disease Fellow	Assistant Professor Pediatric Infectious Disease Children's Hospital of Pittsburgh, Pittsburgh, PA
Benjamin Lee, MD	2012-2015	Influenza and <i>Staphylococcus aureus</i>	Scholarship Oversight Committee Member: Pediatric Infectious Disease Fellow	Assistant Professor Pediatric Infectious Disease Thu University of Vermont Health Network, University of Vermont Medical Center, Burlington, VT
Anusha Viswanathan, MD	2014-2016	Resurgence of Pertussis	Scholarship Oversight Committee Member: Pediatric Infectious Disease Fellow	Attending, Pediatric Infectious Disease, Jersey Shore Medical, Neptune City, NJ
Caitlyn Gannon Peterson, MD	2016-2018	Cost Effectiveness of UTIS	Scholarship Oversight Committee Member: Nephrology Fellow	Pediatric Nephrology Fellow Children's Hospital of Pittsburgh; Assistant Professor Salt Lake City, UT
Santiago Lopez, MD*	2016-2018	Viruses and Cytokines Associated with Children with URIs	Project Mentor: Pediatric Infectious Disease Fellow	Pediatric Infectious Disease Fellow, Children's Hospital of Pittsburgh

Trainee	Mentoring period dates	Title of research project	Context of mentoring	Current position and institution
Elise Lu, MD	2018-present	Clinical evaluation of children with failure to thrive	Scholarship Oversight Committee Member: Pediatric Hospital Medicine Fellow	Pediatric Hospital Medicine Fellow
Anne-Marie Rick, MD*	2017 – present	Correlation of viral symptoms at the time of diagnosis of streptococcal pharyngitis	Scholarship Oversight Committee Member: General Academic Pediatrics Fellow	General Academic Pediatrics Fellow, PhD candidate
Faculty				
Laura Panko, MD	2012-present	Career advising	Mentor committee	Assistant Professor, Diagnostic Referral Group, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine
C. Lynn Cabral, MD	2012-2016	Career advising	Mentor committee	Assistant Professor, Diagnostic Referral Group, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine
Tony Tarchichi, MD	2013-present	Career advising	Mentor committee	Assistant Professor, Diagnostic Referral Group, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine
Leigh Anne DiCicco, MD	2017-present	Career advising	Mentor committee	Assistant Professor, Paul C. Gaffney Division of Pediatric Hospital Medicine, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine
Allison Williams, MD	2019-present	Career advising	Mentor committee	Assistant Professor, Paul C. Gaffney Division of Pediatric Hospital Medicine, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine

CURRENT MENTORING				
Graduate Student				
Trainee	Mentoring period dates	Title of research project	Context of mentoring	Current position and institution
Katherine Prochownik	2016-present	Feasibility of using electronic consent and videos to recruit research participants	Graduate Student scholarly project	Medical Student, University of Pittsburgh School of Medicine
Medical Students				
Leah Koenig	2016-present	Comparison of Prescribing Practices for Children with Community Acquired Pneumonia	Medical student scholarly project	Medical Student, University of Pittsburgh School of Medicine
Carly Heck	2017-present	Use of macrolide antibiotics in children with outpatient community acquired pneumonia	Medical student scholarly project	Medical Student, University of Pittsburgh School of Medicine
Fellows				
Anne-Marie Rick, MD*	2016-present	Viruses and Cytokines Associated with Streptococcal Pharyngitis	Project Mentor: General Academic Pediatrics Fellow	General Academic Pediatrics Fellow, Children's Hospital of Pittsburgh

RESEARCH
Current Grant Support

Grant Number	Grant Title	Role and % Effort	Years Inclusive	Source Amount
1U01 IP001051-01 Centers for Disease Control and Prevention (Williams) (Martin Site PI)	Enhanced Active Surveillance of Pediatric Respiratory Infections and Vaccine Preventable Diseases. (NVSN)	Site PI 10%	9/30/2016- 9/30/2021	\$200,655 per year

1U01 IP001035-01 Centers for Disease Control and Prevention (Zimmerman) (Martin Site PI)	Immunological response to influenza vaccination in children and adolescents CORE: Influenza surveillance and vaccine effectiveness in a large diverse network	Site PI 10%	8/2014- 7/31/2021	ADC \$83,046
R01AI125642 (Williams) (Martin Site PI)	Risk Stratification and Decision Support to Improve Care and Outcomes in Children with Pneumonia	Site PI 10%	02/01/2019- 01/31/2021	\$130,443
Novus Therapeutics (Hoberman)	A randomized, double-blind, placebo- controlled study to assess the safety and preliminary efficacy of OP-02, in addition to amoxicillin-clavulanate (A/C), in children 6 to 24 Months with Acute	Co Investigator 10%	12/1/2018- 8/31/2020	\$1,798,448
SRA0000017 (Hoberman)	Assessment of Otopathogens in Young Children with Acute Otitis Media	Co Investigator 10%	08/01/2019- 07/31/2021	\$3,328,489
U01 AI118506 (Shaikh) NIH/NIAID (Shaikh)	Efficacy of Antibiotics in Children with Acute Sinusitis: Which Subgroups Benefit?	Co Investigator 5%	06/01/2015 – 06/30/2020	ADC \$781,698
U01DC013995 (Hoberman) NIH/NICHD	Efficacy of Tympanostomy Tubes for Children with Recurrent Acute Otitis Media	Co Investigator 5%	07/14/2015 – 06/30/2020	ADC \$681,059
Merck Outpatient Antimicrobial Stewardship (PI Martin)	Outpatient Pediatric Antimicrobial Stewardship Program: Optimizing Antimicrobial Prescription Choices and De-labelling Drug Allergies in Community Offices	PI 10%	1/1/2020- 12/31/2020	
Medimmune Melody Study (Site PI – Martin)	A Phase 3 Randomized, Double-blind, Placebo-controlled	Site PI 10%	10/2019-4/2021	

	Study to Evaluate the Safety and Efficacy of MEDI8897, a Monoclonal Antibody With an Extended Half-life Against Respiratory Syncytial Virus, in Healthy Late Preterm and Term Infants (MELODY)			
GSK Bexsero Study (Site PI – Martin)	GlaxoSmithKline's (GSK) Safety and Immunogenicity study of GSK Meningococcal Group B and 13 valent pneumococcal vaccines administered together with routine infant vaccines in healthy infants	Site PI 10%	1/2019-5/2023	
NIH (Creech) (Site PI – Martin)	Vaccine Treatment and Evaluation Unit (VTUE)	Site PI 10%	1/2020-12/26	

Prior Grant Support

Investigator Initiated Studies Completed

6/97-6/98	Wyeth Cefixime for Treatment of Shigella Infections	PI-Martin JM
8/98-7/99	Roche Laboratories, Inc Pharmacokinetics of Oral Ganciclovir in Pediatric Patients (\$13,500)	PI-Martin JM
7/99-6/01	9906202U Beginning Grant-in-Aid American Heart Association A Longitudinal Cohort Study of the Natural History of Group A Streptococcal Infections in Children (\$63,636)	PI-Martin JM
7/99-6/01	CMRF 3999-1000 Competitive Medical Research Fund University of Pittsburgh Medical Center Group A Streptococcal Infections in School-age Children (\$25,000)	PI-Martin JM

- 10/00-9/05 National Institute of Health – K23 PI 5K23 AI01713 **PI - Martin JM**
Mentored-Patient Oriented Research Career Development Award - Group A
Streptococcal Infections in Children. Five-year longitudinal study of GAS
infections in elementary school children. (\$577,250)
- 9/00-8/05 Children’s Hospital of Pittsburgh **PI – Martin JM**
General Clinical Research Center
A Longitudinal Cohort Study of the Natural History of Group A Streptococcal
(GAS) Infections in elementary school children
(\$ Laboratory supplies as needed)
- 1/01-6/03 Children’s Hospital of Pittsburgh **PI-Martin JM**
Research Advisory Committee-Start Up Funds
Group A Streptococcal Infections in Children (\$80,000)
- 03/05 - 01/10 Children’s Hospital of Pittsburgh **PI – Martin JM**
Pediatric Clinical and Translational Research Center
Acute Rheumatic Fever in Allegheny County: incidence and GABHS M types
(\$ Laboratory supplies as needed)
- 09/05-08/07 American Heart Association **PI – Martin JM**
Beginning Grant-in-Aid; Group A streptococcal carriage in children
Longitudinal study of GAS carriage in children (\$90,908)
- 7/06-6/07 Children’s Hospital of Pittsburgh **PI – Martin JM**
Research Advisory Committee-Bridge Funds
Recurrent Group A Streptococcal Pharyngitis in Children (\$50,000)
- 12/06-11/07 American Academy of Child & Adolescent Psychiatry **Mentor Martin JM**
AACAP Pilot Research Awards- Ortiz (PI) Acute Onset Obsessive
Compulsive and Tic Disorder: Association with Group A Streptococcal
Infections
- 08/07-07/08 Replidyne PI- Shaikh **Collaborator Martin JM**
Patient Reported Outcomes in Streptococcal Pharyngitis – STREP-PRO
- 4/10-07/13 Children’s Hospital of Pittsburgh **PI – Martin JM**
Infectious Disease Division Support
Community Acquired MRSA Decolonization Methods in Children
Treatment of shigellosis with cefixime: Two days vs five days
- 7/13-8/14 Center for Environmental Health, **PI- Celedon**
Children’s Hospital of Pittsburgh of
A Phase I trial for children with Vitamin D insufficiency and Asthma
Co investigator – 10% effort
- 7/13-12/16 NIH- NIAID **PI- Hoberman**
Targeted Clinical Trials to Reduce the Risk of Antimicrobial Resistance
5 vs 10 days of amox/clav for acute otitis media in children 6-23 months old
Co investigator – 10% effort (ADC \$8,319,746)

- 3/14-2/17 Ricoh Innovations PI - Hoberman
Ricoh Lightfield Camera for Diagnosis of AOM
Co investigator – 20% effort (ADC \$530,240)
- 4/2011-3/2017 NIH – NIDDK PI - Shaikh
Corticosteroids for Children with Febrile Urinary Tract Infections
Co Investigator – 10% effort (ADC \$610,930)
- 7/16-6/17 Centers for Disease Control and Prevention and AAP PI – Shope
Improving the Pediatric Community’s Readiness and Response to Seasonal
and Pandemic Influenza
Co investigator – 5% effort (ADC \$22,000)
- 8/14-7/17 Centers for Disease Control and Prevention (CDC) PI – Zimmerman
Option C Child & Adolescent, Pittsburgh: Immunological response to
influenza vaccination in different demographic group
Co investigator – 10% effort (ADC \$77,129)
- 8/13-7/17 NIH – NHLBI PI - Celedon
VIDPRESAE (Vitamin D to PREvent Severe Asthma Exacerbations
Co Investigator – 15% effort (\$60,000)
- 3/17-2/18 UL1TR001857 PI-Martin JM
CTSI Translational Research Pilot Awards Immune Pathways Associated
with Influenza Vaccines— 5% effort (\$25,000)
- 9/09-12/19 BAA-NIAID-DMID-NIHAI2008025 (Zaoutis) Site PI - Hoberman
NIH 14-0079 B1C1.0028 Vaccine Treatment and Evaluation Unit (VTEU)
Short Course Therapy for Urinary Tract Infection in Children
(SCOUT UTI)– 10% effort
- 9/15-3/20 VUMC56485 (Creech) Site PI – Martin JM
NIH 14-0079 B1C1.0028 Vaccine Treatment and Evaluation Unit (VTEU)
Short Course Therapy for Community Acquired Pneumonia in Children
(SCOUT CAP) – 10% effort

VUMC56485 (Creech) NIH 14-0079 B1C1.0028 Vaccine and Treatment Evaluation Units (VTEU) (Martin Site PI)	Short Course Therapy for Community Acquired Pneumonia in Children (SCOUT CAP)	Site PI 10%	9/1/2015- 3/31/2020	ADC \$1,210,106 Task Area C
BAA-NIAID-DMID- NIHAI2008025 (Zaoutis) NIH/BAA (subcontract with Philadelphia)	A randomized, double-blind, placebo- controlled study to assess the safety and preliminary efficacy of OP-02, in addition to amoxicillin-clavulanate	Co Investigator 10%	09/30/2009- 12/31/2019	ADC \$807,109 (Option III)

	(A/C), in children 6 to 24 Months with Acute Otitis Media (AOM) Short Course Therapy for Urinary Tract Infection in Children (SCOUT UTI)			
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Industry Sponsored Studies Completed

- 05/07- 10/09 Sanofi Pasteur - MTA 48 Menactra – **PI-Martin JM**
Safety Study of Menactra (Meningococcal [Groups A, C, Y, and W-135]
Polysaccharide Diphtheria Toxoid Conjugate Vaccine) when Administered with
Other Pediatric Vaccines to Healthy Toddlers
- 10/07-4/11 Hillman Pediatric Transplantation Center **PI-Martin JM**
Ethanol Lock Therapy for the Prevention of Catheter Related Blood Stream
Infections (\$ for clinical supplies and nursing support)
- 11/07 - 10/09 GlaxoSmithKline Biologicals – MMRV – **PI-Martin JM**
A Phase II randomized, observer blind, multicenter study of GlaxoSmithKline
Biologicals' combined measles-mumps-rubella-varicella vaccine (MMRV) versus
ProQuad®, according to a one dose schedule, both administered subcutaneously
at 12-14 months of age, concomitantly with hepatitis A vaccine (HAV) and
pneumococcal conjugate vaccine (PCV) but at separate sites
- 10/08-04/09 Inverness Medical Innovations **PI-Martin JM**
Rapid Test for the Detection of Strep A antigen
- 02/09-05/10 Astellas **PI-Martin JM**
Phase 3, Randomized Double-Blind, Multicenter Study to Compare the Efficacy
and Safety of Micafungin Versus Amphotericin B Deoxycholate for the Treatment
of Neonatal Candidiasis –Study cancelled per sponsor request
- 08/10-6/11 Medimmune MA-213 Observational RSV study **PI –Martin JM**
An Observational Prospective Study to Assess Respiratory Syncytial Virus (RSV)
Respiratory Events Among Premature Infants (32-35 Week Gestational Age)-
Outcomes and Risk Tracking Study (The REPORT Study)
- 10/09-6/14 Pfizer - Protocol Number A8851080 **PI-Martin JM**
A Prospective, Open Label, Non Randomized, Multi-center Study to Investigate
the Safety and Tolerability of Voriconazole as Primary Therapy for Treatment of
Invasive Aspergillosis and Molds Such as Scedosporium and Fusarium Species
in Pediatric Patients-completed- First Author of Manuscript
- 03/11-6/12 Pfizer 1095 **PI-Martin JM**
A Prospective, Randomized Trial Comparing the Safety, Tolerability and Efficacy
of Voriconazole and Anidulafungin in Combination to that of Voriconazole Alone
When Used for Primary Therapy of Invasive Aspergillosis in Pediatric Subjects
Aged 2 to 17 Years. Study closed by sponsor
- 2/11-6/14 Johnson and Johnson Pharmaceutical Research **PI Martin JM**
3002:A Prospective, Randomized, Double-Blind, Multicenter Study to Establish
the Safety and Tolerability of Doripenem Compared With Cefepime in
Hospitalized Children With Complicated Urinary Tract Infections
- 3003:A Prospective, Randomized, Double-Blind, Multicenter Study to Establish
the Safety and Tolerability of the Doripenem Compared With Cefepime in
Hospitalized Children with Bacterial Pneumonia

- 4/12-6/14 Optimer – Protocol 80-206 **PI-Martin JM**
A Phase 2A, Multi-Center, Open-Label, Uncontrolled Study to Determine the Safety, Tolerability, and Pharmacokinetics of fidaxomicin Oral Suspension or Tablets in Pediatric Subjects With *Clostridium difficile*-associated Diarrhea (CDAD)
- 03/12-6/14 Astellas – Protocol 9463-CL-2303 **PI-Martin JM**
A Phase 3, Randomized, Double Blind, Multi-Center Study to Compare the Efficacy and Safety of Micafungin Versus Amphotericin B Deoxycholate for the Treatment of Neonatal Candidiasis
- 03/12-6/14 Pfizer – Protocol Number A8851008 **PI-Martin JM**
A Prospective Open Label Study to Assess the Pharmacokinetics, Safety & Efficacy of Anidulafungin When Used to Treat Children with Invasive Candidiasis, Including Candidaemia
- 12/12-6/14 Cerexa – Three related protocols **PI – Martin JM**
P903-31: A Multi-Center, Randomized, Observer-Blinded, Active-Controlled Study Evaluating the Safety, Tolerability, and Efficacy of Ceftaroline versus Ceftriaxone in Pediatric Subjects with Community-acquired Bacterial Pneumonia Requiring Hospitalization

P903-23: A Multi-Center, Randomized, Observer-Blinded, Active-Controlled Study to Evaluate the Safety, Tolerability, Efficacy, and Pharmacokinetics of Ceftaroline versus Comparator in Pediatric Subjects with Acute Bacterial Skin and Skin Structure Infections

P903-24: A Multicenter, Randomized, Observer-Blinded, Active-Controlled Study Evaluating the Safety, Tolerability, Pharmacokinetics, and Efficacy of Ceftaroline Versus Ceftriaxone Plus Vancomycin in Pediatric Subjects With Complicated Community-acquired Bacterial Pneumonia.
- 10/16-10/18 Medimmune MEDI 8897 **PI – Martin JM**
A Phase 2b Randomized, Double-blind, Placebo-controlled Study to Evaluate the Safety and Efficacy of MEDI8897, a Monoclonal Antibody With an Extended Half-life Against Respiratory Syncytial Virus, in Healthy Preterm Infants

Other Research Related Activity
Independent Safety Monitor for NIH sponsored clinical studies

PI Hoberman - DMID Protocol 10-0083: A Phase III, Multicenter, Randomized, Double Blind, Placebo-Controlled Clinical Trial to Evaluate the Efficacy of Short-Course Antimicrobial Therapy for Young Children with Acute Otitis Media (AOM) and Impact on Antimicrobial Resistance

PI Zaoutis – DMID Protocol: 09-0103: The SCOUT Study: Short Course Therapy for Urinary Tract Infections in Children- until 2013 when became a subinvestigator

PI Michaels and Halasa – Sanofi 2011 Randomized, Double Blind, Comparison of Standard Dose Trivalent Inactivated Influenza Vaccine versus High Dose Trivalent Inactivated Influenza Vaccine in Pediatric Solid Organ Transplant Patients

PI Shakih – DMID Protocol Corticosteroids for Children with Febrile Urinary Tract Infections –until 2013 when became a subinvestigator

PI Hoberman - DMID Protocol 05-0142, Efficacy of Antimicrobials in Young Children with Acute Otitis Media (AOM)- until 2013 when became a subinvestigator

PI Kumaravel Rajakumar - R01 HL112985-01A1 Vitamin D and Vascular Function in Obese Children - ongoing

Seminars and Invited Lectureships related to research and scholarly activities

Local/Regional

1. Children's Hospital of Pittsburgh of UPMC Pediatric Grand Rounds - June 1994, June 2000, September 2009
2. April 2006: A Review of Acute Rheumatic Fever in Western Pennsylvania, Three Rivers Symposium. Pittsburgh, PA
3. May 11, 2006: Infectious Disease Grand Rounds – Case presentation- 17-year-old Female with Mental Status Changes – Paraneoplastic Syndrome; Pittsburgh, PA
4. May 30, 2006: Pediatric Resident Conference -Infections and Your Pet; Pittsburgh, PA.
5. November 6, 2006: Infectious Disease Grand Rounds – Case Presentation: 15 year old male fever, seizure and altered mental status – Fusobacteria mastoiditis, meningitis and brain abscess. Pittsburgh, PA
6. February 27, 2007: Pediatric Resident Conference – Case Presentation: A Patient with Rheumatic Heart Disease, Case discussant, Pittsburgh, PA
7. May 2007: Can I Still Use Penicillin To Treat Strep Throat? Three Rivers Pediatric Conference, Pittsburgh, PA
8. October 31, 2007: Pediatric Resident Conference - Continued high caseload of rheumatic fever in western Pennsylvania, Pittsburgh, PA
9. November 2007: Invited Speaker at multiple sites at community pediatric practices – An Update on Influenzae Vaccines, Pittsburgh, PA
10. September 2008: Invited Speaker: Pediatric Travel Club – Group A Streptococcal Update. Pittsburgh, PA
11. September 15, 2008: HIV Genotyping Conference – Case Presentation and Discussion- a young boy with perinatal HIV infection, Pittsburgh, PA
12. October 9, 2008: Here, there and everywhere. A case presentation of a young child with MRSA multifocal osteomyelitis, pyomyositis, and endocarditis. Infectious Disease Grand Rounds. Pittsburgh, PA
13. November 6, 2009 Community Acquired MRSA Infections – Pediatric Grand Rounds, Children's Hospital of Pittsburgh, Pittsburgh, PA
14. May 19, 2011: Community Acquired MRSA Infections, Three Rivers Conference, Children's Hospital of Pittsburgh, Pittsburgh, PA

15. June 30, 2011: Can you hear me now? Case presentation of a patient with bacterial meningitis after cochlear implant. Infectious Disease Grand Rounds; Pittsburgh, PA
16. September 8, 2012: Ethanol Lock Therapy for the Prevention of Catheter Related Blood Stream Infections in Pediatric Patients. 7th International Pediatric Intestinal Failure and Rehabilitation Symposium. Pittsburgh, PA
17. October 19, 2012: Selected Topics in Group A Streptococcal Pharyngotonsillitis-Updated 2012 IDSA Guidelines and PANDAS. Pediatric Otolaryngology 2012 Update. Pittsburgh, PA
18. December 13, 2012: TNF antagonists, good or bad? Case presentation of a teenager with JIA and endocarditis. Infectious Disease Grand Rounds, Pittsburgh, PA
19. May 17, 2013: An Update of the 2012 IDSA Pharyngitis Guidelines and Our Experience with PANDAS. Three Rivers Pediatric Update, Children's Hospital of Pittsburgh, Pittsburgh, PA.
20. September 18, 2018; Outpatient Antimicrobial Stewardship. Local Pittsburgh Chapter of the National Association of Pediatric Nurse Practitioners, Children's Home, Pittsburgh, PA.

National

1. November 4, 2010: Community Acquired MRSA Infections – Grand Rounds, Wheeling Hospital, Wheeling, WV
2. November 4, 2011: American Academy of Family Practice Physicians Meeting. What you need to know about community associated Methicillin Resistant *Staphylococcus aureus* (CA-MRSA) infections-plus more. Erie, PA
3. May 18, 2012: Visiting Professor –Pediatric Grand Rounds, An Update on the Diagnosis and Management of Streptococcal Pharyngitis. University of Kansas Medical Center, Kansas City, KS
4. April 24, 2013: I can't cure cancer but I can cure strep throat: Data from a longitudinal study of school-aged children. Seminars in Clinical Research, The Rockefeller University, New York, NY
5. February 28, 2019: My Mission: To Evaluate Common Pediatric Outpatient Infections. Invited Speaker. University of North Carolina, Chapel Hill, NC.
6. November 22, 2019: Strep Throat: When to Test and How to Manage Both Acute and Recurrent Illness. Invited Speaker, Infectious Diseases in Children Symposium, New York, NY.

Manuscript Reviews

Ad Hoc Reviewer

American Journal of Diseases of Children
Journal of Pediatrics
Journal of the Pediatric Infectious Disease Society
Archives of Pediatrics and Adolescent Medicine
Clinical Infectious Diseases
Pediatric Infectious Diseases Journal
Pediatrics
Journal of Pediatric Infectious Diseases
Vaccine
Infection, Genetics and Evolution

LIST OF CURRENT RESEARCH INTERESTS:

Group A streptococcal infections in children; pharyngitis and invasive infections
Outpatient Pediatric Respiratory Tract Infections
Acute rheumatic fever
Urinary Tract Infections
Endocarditis

SERVICE:

University and Medical School

Children's Hospital of Pittsburgh Research Advisory Committees

2005-2012	Children's Hospital of Pittsburgh, Pediatric Clinical and Translational Research Center Advisory Committee
2007-2012	PittNet Research Advisory Committee
2007 - Present	Research Advisory Committee of the Children's Hospital of Pittsburgh
2013 - Present	Center for Excellence for Clinical Research in Children and Young

Hospital Committees

1994-1995	Children's Hospital of Pittsburgh, Library Committee
1994-1995	Children's Hospital of Pittsburgh, Executive Committee
1994-1995	Children's Hospital of Pittsburgh, Department of Pediatrics, Pediatric Residency Selection Committee
1995-2013	Children's Hospital of Pittsburgh, Infection Control Committee
2008-2013	Director, Children's Hospital of Pittsburgh, Department of Pediatrics, Division of Infectious Disease Clinical Trials Unit
2010-2013	Children's Hospital of Pittsburgh Outpatient Clinic Optimization Committee, Division Representative
2000-2013	Clinical Director, Children's Hospital of Pittsburgh Rheumatic Fever Clinic
2016-Present	Director, Children's Hospital of Pittsburgh, Department of Pediatrics, Division of General Academic Pediatrics Clinical Trials Unit
2019-Present	Member, Committee on Surgical Innovation (COSI)

University of Pittsburgh Committees

2007- Present University of Pittsburgh Institutional Review Board Committee Member
2013- Present University of Pittsburgh Institutional Review Board, Research Conduct and Compliance Office, Human Research Protection Office (HRPO), Vice Chair
2014- Present Technology and Innovative Practice Assessment Committee (TIPAC)

National Committees

2009-2012 Infectious Disease Society of America: Committee to review and update the Pharyngitis Guidelines, Published September 2012

PUBLIC OUTREACH / MEDIA INTERVIEWS

Children's Hospital of Pittsburgh of UPMC - Press Releases

Recent Media Links:

1. Reuters: Many US Daycare Centers May Lack Plans for Pandemic Flu. May 15, 2017. <http://www.reuters.com/article/us-health-daycare-pandemic-planning-idUSKCN18B244>
2. AAP News: Study: Less than 10% of child care centers prepared for flu pandemic. May 16, 2017. <http://www.aappublications.org/news/2017/05/16/Influenza051617>
3. Austin 360: Is your daycare doing enough to prevent a flu pandemic? Few are, study finds. May 15, 2017. <http://parenting.blog.austin360.com/2017/05/15/is-your-daycare-doing-enough-to-prevent-a-flu-pandemic-few-are-study-finds/>
4. Study Finds: Major Oversight? U.S. Child Care Centers Rarely Require Flu Vaccinations For Kids Or Employees. <https://www.studyfinds.org/major-oversight-u-s-child-care-centers-rarely-require-flu-vaccinations-for-kids-or-employees/>
5. Reuters Health: Only a quarter of U.S. childcare centers require kids to have flu shots. <https://www.reuters.com/article/us-health-influenza-vaccination/only-a-quarter-of-u-s-childcare-centers-require-kids-to-have-flu-shots-idUSKBN1YG0CS>
6. Medical Express: Child care centers rarely require flu vaccination for children or their caregivers. <https://medicalxpress.com/news/2019-12-child-centers-rarely-require-flu.html>