

Curriculum Vitae

Name: **Ravit Boger, M.D.**, Assistant Professor, Pediatrics
Division of Pediatric Infectious Diseases, Hopkins Children's

Work: Division of Pediatric Infectious Diseases
200 North Wolfe St./ 3153
Baltimore, MD 21287

Education and work experience

October 2003- Present: Assistant Professor, department of Pediatrics, division of infectious disease, Johns Hopkins Hospital, Baltimore, MD
April 2006-Present: Preceptor, Harriet Lane Clinic, Division of General Pediatrics and Adolescent Medicine, Johns Hopkins Hospital, Baltimore, MD
July 2003-October 2003: Instructor, department of Pediatrics, division of infectious disease, Johns Hopkins Hospital, Baltimore, MD
July 2001-July 2003: Faculty member, department of Pediatrics; Research Associate, Johns Hopkins Hospital, Baltimore, MD
July 1998-July 2001: Fellowship in Pediatric Infectious Diseases, Johns Hopkins Hospital, Baltimore, MD
Jan 1993-June 1998: Residency in Pediatrics, Dana Children's Hospital, Tel-Aviv, Israel
June 1996-Dec 1997: Israeli Air Force, Head, Clinical Branch, Military rank-Major (Tour of duty during residency)
Dec 1991-Dec 1992: Chief Physician, Israeli Air Force Women Corps
Jul 1990-Nov 1991: Deputy Head, Israel Defense Forces Headquarters Clinics
Nov 1988-Jun 1990: Physician, Israel Defense Forces, Headquarters Clinics
Oct 1987-Oct 1988: Internship, Rabin Medical Center, Petah-Tikva, Israel
Oct 1981-Oct 1987: Medical School, Sackler School of Medicine, Tel-Aviv University, Tel Aviv, Israel

Awards and Honors

2005-2006: Thomas Wilson Foundation- for the initiation of a screening program at The Johns Hopkins Hospital
2003-2005: United Cerebral Palsy Foundation- for the study of congenital CMV infections
2003-2005: Clinician Scientist Award, Johns Hopkins Hospital – for Congenital CMV research
2001: Bauernschmidt fellowship award, Johns Hopkins Hospital
2000: Bauernschmidt fellowship award, Johns Hopkins Hospital
2000: IDSA travel grant
1996: American Physicians Fellowship for Medicine in Israel (APF)

1988: Excellence Award in clinical years in medical school, Sackler School of Medicine, Tel Aviv Israel

1986: Elkin Award for exceptional student in surgery, Sackler School of Medicine, Tel Aviv Israel

1986: Medical School Scholarship Award, Sackler School of Medicine, Tel Aviv Israel

1985: Medical School Scholarship Award, Sackler School of Medicine, Tel Aviv Israel

1984: Medical School Scholarship Award, Sackler School of Medicine, Tel Aviv Israel

Certificates

2003: Maryland Board of Physicians, license to practice Medicine

1998: Israel Board of Pediatrics (with honors)

1989: Diploma, Doctor of Medicine (with honors)

1987: ECFMG certificate (# 397-967-1)

Membership in professional Societies

American Society of Pediatric Infectious Diseases

Infectious Disease Society of America

Publications

1. Lahav M., **Arav R.** Diltiazem and thrombocytopenia. *Ann Intern Med* 1989; 110 (4): 327
2. Smolinsky A., **Arav R.**, Hegesh J., Goor DA. Surgical closed pulmonary valvotomy for critical pulmonary stenosis: Implications for the balloon valvuloplasty era. *Thorax* 1992; 47 (3); 179-183
3. Leibovici L., **Arav-Boger R.**, Danon Y.L. Clinical model for diagnosis of urinary tract infection in young women. *Arch Intern Med* 1993; 153 (8): 1011-1015
4. **Arav-Boger R.**, Leibovici L., Danon Y.L. Urinary tract infections with low and high colony counts in young women: spontaneous remission and single-dose vs. multiple-day treatment. *Arch Intern Med* 1994; 154 (3), 300-304
5. Spirer Z., **Arav-Boger R.**, Zakuth V. et al., Decreased interleukin-1 and interleukin-2 production after splenectomy. *Harefuah* 1994; 126 (7): 374-377
6. Jurgenson U., Assia A., **Arav-Boger R.** Hemophilus influenzae meningitis despite vaccination. *Harefuah* 1994; 127 (7-8): 231-234
7. **Arav-Boger R.**, Assia A., Jurgenson U., Spirer Z., The immunology of Kawasaki disease. *Adv Pediatr* 1994; 41: 359-367

8. **Arav-Boger R.**, Reif S., Bujanover Y. Portal vein thrombosis caused by protein C and protein S deficiency associated with cytomegalovirus infection. *J Pediatr*, 1995; 126 (4): 586-588
9. **Arav-Boger R.**, Spierer Z. Chronic fatigue syndrome: pediatric aspects. *Isr J Med Sc*, 1995; 31 (5): 330-334
10. **Arav-Boger R.**, Assia A., Spierer Z., Bujanover Y., Reif S. Cholestatic Hepatitis as a main manifestation of Mycoplasma pneumoniae infection. *J Pediatr Gastroenterol and Nutr*, 1995; 21 (4): 459-60
11. **Arav-Boger R.**, Spierer Z. The periodic syndromes of childhood. *Adv Pediatr* 1997; 44: 389-428
12. **Arav-Boger R.**, Lebenthal-Bendor Y., Spierer Z. A nightmare of a night cough in a 12-year-old. *Comtemp Pediatr*, 1997; 14; 25-29
13. **Arav-Boger R.**, Spierer Z. Persistent low-grade fever in children - history and evaluation. *Intern Pediatr* 1999; 14: 171-172
14. Reif S, **Arav-Boger R.**, Diamant S, Burstein Y, Fatal A. Shwachman-diamond syndrome associated with autoimmune phenomena. *J Medicine* 1999; 30:259-265
15. Somech R., **Arav-Boger R.**, Assia A., Jurgenson U, Spierer Z., Complications of Minocycline therapy for Acne Vulgaris- case reports and review of the literature. *Pediatric Dermatol* 1999; 16:469-472
16. **Arav-Boger R.**, Cohen D., Ashkenazi S, Danon Y. Seroprevalence of pertussis antibodies among adolescents in Israel. *Israel Journal of Medical Association* 2000; 2:174-177
17. **Arav-Boger R.**, Knepp JH, Walls JJ, Dumler SJ. Human monocytic ehrlichiosis in a child with leukemia. *Pediatr Infect Dis J* 2000; 19:173-175
18. **Arav-Boger R.** Cat-bite Tularemia in a seventeen-year-old girl treated with ciprofloxacin. *Pediatr Infect Dis* 2000; 19:583-584
19. **Arav-Boger R.** et al. Clearance of adenoviral hepatitis with ribavirin therapy in a pediatric liver transplant recipient. Accepted to *Pediatr Infect Dis J* 2000; 19:1097-1100
20. **Arav-Boger R.**, Baggett HC, Speevak P, Willoughby RE. Leukocytosis caused by prostaglandin E1 in neonates. *J Pediatr* 2001; 138:263-265
21. **Arav-Boger R.**, Crawford T, Steere AC, Halsey NA. Cerebellar ataxia as the presenting manifestation of Lyme disease. *Peds Infect Dis J* 2002; 21:353-356
22. **Arav-Boger R.**, Willoughby RE, Pass RF, Zong JC, Jang WJ, Hayward GS. Polymorphisms of the Cytomegalovirus-encoded TNF α and β -chemokine receptors in congenital CMV disease. *J Infect Dis* 2002; 186:1057-1064
23. **Arav-Boger R.**, Pass RF. Diagnosis and management of cytomegalovirus infection in the newborn. *Peds Annals* 2002; 31: 719-725

24. Assia A, **Arav-Boger, R**, Spierer Z. Rising temp, stiff neck: your sixth sense and a 4-year-old girl. *Contemp. Pediatr* 2004; 21:17-21
25. **Arav-Boger R**, Zong Jian-Chao, Foster CF. Loss of Linkage Disequilibrium and Accelerated Protein Divergence in Duplicated Cytomegalovirus Chemokine Genes. *Virus Genes* 2005; 31: 65-72
26. **Arav-Boger R**, Shapiro TA. Molecular mechanisms of resistance in antimalarial chemotherapy: the unmet challenge. *Annu Rev Pharmacol Toxicol* 2005; 45: 565-585
27. **Arav-Boger R**, Foster CF, Zong JC, Pass RF. CMV-Encoded α -Chemokines Exhibit High Sequence Variability in Congenitally Infected Infants. *J Infect Dis* 2006; 193:788-791
28. **Arav-Boger R**, Battaglia CA, Lazzarotto T, Gabrielli L, Zong JC, Hayward GS, Diener-West M, Landini MP. CMV-encoded UL144 and outcome of Congenital CMV Infection. *J Infect Dis* 2006; 194: 464-473
29. **Arav-Boger R**, Pass RF. Viral Loads in Congenital CMV Infection. *Herpes* 2007; 14:17-22.
30. Zong JC, **Arav-Boger R**, Alcendor DJ, Hayward GS. Reflections on the interpretation of heterogeneity and strain differences based on very limited PCR sequence data from Kaposi's sarcoma-associated herpesvirus genomes. *J Clin Virol* 2007; 40:1-8
31. **Arav-Boger R** et al. The Use of Artificial Neural Networks to Enhance Prediction of Congenital CMV Outcome from Sequence Data Submitted, *Bioinformatics* 2008

Presentations in Scientific Meetings

1. Arav R., Smolinsky A., Hegesh J., Goor DA. Surgical closed pulmonic valvotomy for critical pulmonic stenosis in neonates and infants: Implications for the balloon angioplasty era. *Annual meeting of the Israel Heart Society*, Tel-Aviv, April 1991.
2. Arav-Boger R, Echavarria M, Forman M, Persaud D, Charache P. Clearance of adenoviral hepatitis with ribavirin therapy in a pediatric liver transplant recipient. *15th Annual Meeting of Clinical Virology Symposia*, March 1999.
3. Arav-Boger R, Jian-Chao Zong, Rober Pass, Gary S. Hayward. Sequence diversity of chemokine genes and chemokine receptor genes among hCMV isolates. *38th Annual meeting of the Infectious Diseases Society of America*, September 2000.
4. Arav-Boger R, Jerry Osterhout, James Dick. Persistent pulmonary nodules caused by Gordona species. *38th Annual meeting of the Infectious Diseases Society of America*, September 2000.

5. Arav- Boger R, Willoughby RE, Pass RF, Zong JC, Jang WJ, Alcendor DJ, Hayward GS. Evidence for multiple infections of pathogenic variants of TNF α R (UL144) and chemokine (US28) receptor genes of HCMV in neonatal disease. The 8th International Cytomegalovirus Conference, Monterey, CA, May 20-25, 2001.
6. Arav- Boger R, Zong JC, Alcendor DJ, Pass RF, and Hayward GS. A plethora of hypervariable α chemokines encoded by human and simian cytomegaloviruses. The 8th International Cytomegalovirus Conference, Monterey, CA, May 20-25, 2001.
7. Cohen R, Zenilman J, Arav-Boger R. Prevalence of symptomatic and asymptomatic *Chlamydia trachomatis* and *Neisseria gonorrhoeae* infections among sexually active young Israeli adults. ISSTD, Ottawa, Canada, July 27-30, 2003.