

## **Curriculum Vitae**

Jana Shaw, MD, MPH, MS  
(formerly Bockova)  
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### ***EDUCATION AND TRAINING***

- 7/99-6/02 Pediatric Infectious Disease Fellow, *Johns Hopkins Hospital*, Baltimore MD  
9/01-5/02 **MPH** degree, *Bloomberg School of Public Health, Johns Hopkins University*, Baltimore MD.  
7/96-6/99 Residency in Pediatrics, Department of Pediatrics, *State University of New York*, Stony Brook NY  
5/96-6/96 Orientation and required courses at Department of Pediatrics, State University of New York, Stony Brook NY  
2/94-5/96 **MS** degree, Department of Immunology, *the Weizmann Institute of Science*, Rehovot, Israel  
Thesis: "The role of a novel peptide derived from hsp60 molecule in the development of IDDM in NOD mouse". Supervised by Professor I. Cohen  
5/92-9/92 University of Massachusetts Medical Center, Worcester MA (Subinternship)  
St. Vincent Hospital, Worcester MA. (Subinternship in Medicine)  
Sponsored by Worcester Institute for Student Exchange, Worcester MA  
9/86-10/92 **MD** degree, *Masaryk's University*, Medical School, Brno, Czech Republic  
Graduated Cum Laude

### ***EMPLOYMENT***

- 1/14-current Associate Professor, Pediatric Infectious Disease, SUNY Upstate Medical University, Syracuse NY  
1/08-12/13 Assistant Professor, Pediatric Infectious Disease, SUNY Upstate Medical University, Syracuse NY  
3/05-12/07 Volunteer Faculty, Pediatric Infectious Disease, SUNY Upstate Medical University, Syracuse NY  
11/02-current Chief Medical Officer, North Country Family Health Center, Watertown, NY

### ***AFFILIATIONS***

- 10/15-current Clinical Associate Professor, Department of Public Health and Preventive Medicine, SUNY Upstate Medical University, Syracuse NY  
10/04- 2010 Clinical Assistant Professor at University of New England College of Osteopathic Medicine  
12/02-8/10 Associate Medical Staff, Samaritan Medical Center, Watertown NY  
5/01-6/02 Associate Medical Staff, Kennedy Krieger Institute, Baltimore MD

### ***CERTIFICATIONS***

- 2013-current American Sub-board of Pediatric Infectious Diseases - recertification  
8/03-2013 American Sub-board of Pediatric Infectious Diseases  
10/07-current Diplomate of the American Board of Pediatrics-recertification

10/99	American Board of Pediatrics
5/98	USMLE Step 3
10/93	Educational Commission for Foreign Medical Graduates
10/93	USMLE Step 2
6/93	USMLE Step 1

### ***PROFESSIONAL SOCIETIES, OTHER EXPERIENCE***

7/03-current	Member of Infectious Disease Society of America
1/03-current	Member of Pediatric Infectious Society of America
7/96-current	Member of American Academy of Pediatrics

2015-current	Reviewer, Journal of Medical Virology
2015-current	Reviewer, Vaccine
2014-current	Reviewer, Emerging Infectious Diseases
2014-current	Reviewer, Journal of Perinatology
2013-current	Reviewer, Neonatology
2012-current	Reviewer, American Journal of Infection Control
2007-current	Reviewer, Journal of Pediatrics

### ***COMMITTEES***

2014-current	Pediatric Subcommittee of Pharmaceutical & Therapeutics Committee-Chair
2014-current	Promotions and Tenure Committee
2010-current	Pediatric Residency Evaluation and Promotion (PREP) Committee
2010-current	Pharmaceutical & Therapeutics Committee

### ***PUBLICATIONS***

1. Nadeau JA, McNutt LA, **Shaw J**. High vaccination coverage among children attending public schools in New York State. JAMA Peds in Press.
2. McNutt LA, Desemone C, DeNicola E, El Chebib H, Nadeau JA, Bednarczyk JA, **Shaw J**. Affluence as a predictor of vaccine refusal and underimmunization in California private kindergartens. Vaccine. doi:10.1016/j.vaccine.2015.11.063
3. **Shaw J**, Long SS. Public Discourse on Measles, A Shot in the Arm for Vaccination. J Pediatr 2015. doi:10.1016/j.jpeds.2015.04.065.
4. Bednarczyk RA, Chu SL, Sickler H, **Shaw J**, Nadeau JA, McNutt LA. Low uptake of influenza vaccine among university students: Evaluating predictors beyond cost and safety concerns. Vaccine. 2015 Feb 26. pii: S0264-410X(15)00222-4. doi: 10.1016/j.vaccine.2015.02.033.
5. Lai L, Nadeau J, McNutt LA, and **Shaw J**. Variation in exemptions to school immunization requirements among New York State private and public Schools. Vaccine. Available online November 6, 2014. DOI: 10.1016/j.vaccine.2014.10.077
6. **Shaw J**, Welch TR, Milstone, AM. The Role of Syndromic Surveillance in Directing the Public Health Response to the Enterovirus D68 Epidemic. JAMA Pediatr. Published online September 26, 2014. doi:10.1001/jamapediatrics.2014.2628

7. **Shaw J**, Tserenpuntsag B, McNutt, LA, and Halsey N. United States private schools have higher rates of exemptions to school immunization requirements than public schools. *J Pediatr* 2014;165(1):129-133.
8. Imdad A, Tserenpuntsag B, Blog D, Halsey N, Easton D, **Shaw J**. Religious exemptions for immunization and risk of pertussis in New York State, 2000-2011. *Pediatrics* 2013;132:1–7
9. Suryadevara M, Clark AE, Wolk DM, Carman, A, Rosenbaum PF and **Shaw J**. Molecular characterization of invasive *Staphylococcus aureus* infection in Central New York (CNY) children: importance of two clonal groups and inconsistent presence of selected virulence determinants. *J Ped Infect Dis* 2012 doi: 10.1093/jpids/pis087
10. Kellog D, Rosenbaum PF, Kiska D, Riddell S, Welch T, and **Shaw J**. High fecal hand contamination among wilderness hikers. *American J Infect Control* 2012;40 (9): 893-895.
11. Suryadevara M, Steidl KE, Probst LA, **Shaw J**. Inappropriate vancomycin therapeutic drug monitoring in hospitalized pediatric patients increases pediatric trauma and hospital costs. *J Pediatr Pharmacol Ther* April-June 2012; 17 (2):159-165.
12. Banerjee R, Hersh AL, Newland J, Beekmann SE, Polgreen PM, Bender J, **Shaw J, et al**. On Behalf of the Emerging Infections Network Hemolytic-Uremic Syndrome Study Group *Streptococcus pneumoniae*-associated hemolytic uremic syndrome among children in North America. *Pediatric Infect Dis J* 2011; 30 (9):1-4.
13. Suryadevara M, Moro MR, Rosenbaum PF, Kiska D, Riddell S, Weiner LB, **Shaw J**. Incidence of invasive community-onset (CO) *Staphylococcus aureus* infections in children in central New York. *J Pediatr* 2010; 156(1), 152-154.e1
14. Shinoff JJ, O'Brien KL, Thumar B, **Shaw J**, Reid R, Hua W, Santosham M, Karron RA. Young infants can develop protective levels of neutralizing antibody after infection with respiratory syncytial virus. *J Infect Dis*. 2008 Oct 1; 198(7):1007-15.
15. Eick A, Karron R, **Shaw J**, Thumar B, Reid R, Santosham M, O'Brien KL. The role of neutralizing antibodies in protection of American Indian infants against respiratory syncytial virus disease. *Pediatr Infect Dis J*. 2008 Mar; 27(3):207-12.
16. O'Brien KL, **Shaw J**, Weatherholtz RC, Reid R, James Watt J, Croll J, Dagan R, Parkinson AJ, and Santosham M. Epidemiology of Invasive *Streptococcus pneumoniae* among Navajo Children in the Era before Use of Conjugate Pneumococcal Vaccines, 1989–1996. *Am J of Epidemiology* 2004; 160(3):270-278.
17. **Bockova J**, O'Brien KL, Oski J. Reid R, Weatherholtz RC, Santosham M and Karron RA. Respiratory Syncytial Virus infection in Navajo and White Mountain Apache children. *Pediatrics*. 2002 Aug; 110(2):e20.
18. **Bockova J**, Rigamonti D. Intracranial empyema. *Pediatr Infect Dis J*. 2000 Aug; 19(8):735-7.
19. Birk OS, Gur SL, Elias D, Margalit R, Mor F, Carmi P, **Bockova J**, Altman DM, and Cohen IR. The 60kD heat shock protein modulates allograft rejection. *PNAS*. 1999 Apr 27; 96(9):5159-63.
20. **Bockova J**, Elias D and Cohen IR. Treatment of NOD diabetes with a novel peptide of the hsp60 molecule induces Th2-type antibodies. *Journal of Autoimmunity*. 1997; 10:323-329.

21. Reizis B, Eisenstein M, **Bockova J**, Konen-Waisman S, Mor F, Elias D and Cohen IR. Molecular characterization of the diabetes-associated mouse MHC class II protein I-Ag7. *International Immunology*. 1997;9(1):43-51

### **PLATFORM PRESENTATIONS**

1. **Shaw J.**, Halsey NA, Weinberg A, Schmid DS, St. George K, Weldon WC, Jordan M, Bryant PW, LaRussa PS, Bradshaw DY, Harrington T, Gershon A. Arm paralysis following varicella and hepatitis A vaccinations during community-wide outbreak of enterovirus D68: A complex evaluation of a reported adverse event following immunization. European Society for Pediatric Infectious Diseases, Brighton UK. May 2016.
2. **Shaw J**, DeNicola E, El Chebib H, Mehta M, Bednarczyk R, Nadeau J, Desemone C and Louise-Anne McNutt. Influence of religious affiliation and school tuition on school immunization exemptions in California. Vaccine Research conference April 2015. Bethesda, MD.
3. JA Nadeau, Y Lai, D. Blog, LA McNutt, J. Shaw Socioeconomic Status and Religious Exemptions (RE) for Immunization Requirements in New York State (NYS) Public Schools, 2010-2012. Eastern Society for Pediatric Research, Philadelphia, PA, March 2014.

### **POSTER PRESENTATIONS**

4. **Shaw J**, Rausch-Phung E, Weiner LB, and Hoefler D. Vaccination Uptake Estimates Among New York State Children Entering Kindergarten in 2014: Results from the New York State Immunization Information System Registry. Pediatric Academy Society, Baltimore, MD, May 2016. Poster presentation.
5. Moubarak MJ, Bradshaw DY, Weiner LB, and **Shaw J**. Increase of Acute Flaccid Paralysis (AFP) and Cranial Nerve Dysfunction (CND) during the 2014 Enterovirus D68 (EVD68) Outbreak among Central New York Children. Pediatric Academy Society, Baltimore, MD, May 2016. Poster presentation.
6. JA Nadeau, Y Lai, D. Blog, LA McNutt, **J. Shaw** Socioeconomic Status and Religious Exemptions (RE) for Immunization Requirements in New York State (NYS) Public Schools, 2010-2012. Pediatric Academic Societies and Asian Society for Pediatric Research Joint Meeting in Vancouver, BC, Canada, May 2014. Poster presentation
7. Yun-Kuang Lai, Jessica Nadeau, Priya Sharma, Debra Blog, Louise-Anne McNutt, and **J Shaw**. Burden of Exemptions to School Immunization Requirements among New York State Public and Private Schools, 2003-2012. Poster presentation Infectious Disease Society of America. San Francisco, October 2013.
8. A. Imdad, B. Tserenpuntsag, N. Halsey, and **J. Shaw**. Religious Exemptions for Immunization Requirements in US Private Schools, 2008–2010. Poster presentation Pediatric Academic Society. Washington, DC May 2013.
9. **J. Shaw**, B. Tserenpuntsag, D. Blog, N. Halsey, and D. Easton. Socio-demographic Factors Associated with Immunization Requirement Exemptions in New York State. Infectious Disease Society of America. San Diego, October 2012.
10. **J. Shaw**, B. Tserenpuntsag, A. Imdad, D. Blog, N. Halsey, and D. Easton. Increase of Religious Exemptions for Immunization Requirements in New York State. Infectious Disease Society of America. San Diego, October 2012.

11. Imdad A, Blog D, Easton D, Domachowske J, and **Shaw J**. Vaccination Exemptions Vary Greatly in New York State. Pediatric Academy Societies, Boston, MA April 2012
12. Clark AE, Ingram, EL, Carman AS, Gamage DC, Fiorello, AB, **Shaw J**, Wolk, DM. Molecular characterization of *Staphylococcus aureus* isolated from pediatric bloodstream infections at a tertiary care hospital in Southern Arizona, Abstract 11-GM-A-4197-ASM. Proceedings of the 111th American Society for Microbiology, New Orleans, CA, May 2011
13. M Suryadevara, A Clark, D Wolk, P Rosenbaum, D Kiska, S Ridell, L Weiner, **J Shaw**. Community-Onset Invasive *Staphylococcus aureus* (CO-ISA) Disease in Children: Clinical and Molecular Characterization. Infectious Disease Society of America. Vancouver, BC. October 2010. Poster currentation
14. R Banerjee, AL Hersh, J Newland, SE. Beekmann, P Polgreen, J Bender, **J Shaw**, L Copelovitch, BS. Kaplan, S Shah. Streptococcus Pneumoniae-Associated Hemolytic Uremic Syndrome Among Children in North America. Infectious Disease Society of America. Vancouver, BC October 2010. Poster currentation
15. MR Moro, K Contello, W Holz, LB Weiner, **J Shaw**. Subcutaneous (SCIG) versus Intravenous (IVIG) Immunoglobulin Replacement Therapy in a Pediatric Population with Primary Immunodeficiencies (PID). Poster presentation Pediatric Academic Societies, Baltimore MD, May 2009.
16. Gilroy SA, Martin D, Stahl R, Domachowske JB, Allen R, Johnson H, Costello K, Bode, M, Treatmen S, Sikora R, Hall E, Fuller P, LeRoy S, Steinman R Kosinsky M, Agnew M, **Shaw J**, Smith F, Susman R, Barrington K, Cook B, Johnson L, Watkins J, Richey D, Morrow C. Mumps exposure in a neonatal intensive care unit: Report of prevention strategies implemented to control an outbreak. Society for Healthcare Epidemiology of America. San Diego CA 2009
17. M Suryadevara, MR Moro, P. Rosenbaum, D Kiska, S Ridell, **J Shaw**. Invasive community-acquired methicillin-resistant *Staphylococcus aureus* infections in children in upstate New York. Pediatric Academic Societies, Honolulu HI, May 2008.

### ***GRAND ROUNDS CURRENTATION/ INVITED SPEAKER***

- 2015 Enterovirus D68: What is it and where did it come from? ICAAC October 2015, San Diego ,CA. *Meet-the-expert session*.
- 2014 Vaccine Refusal: Tension between public good and individual freedom. Department of Pediatrics, Upstate Medical University, Syracuse, NY
- 2014 Vaccine Refusal and the Cost of Individual Freedom. Community General Hospital, SUNY Upstate, Syracuse, NY
- 2014 Vaccine Exemptions in Pediatric Practice, Center for Bioethics & Humanities Seminar, SUNY Upstate, Syracuse, NY
- 2013 Four month old with irritability. Vaccine side effects and adverse events. Upstate Medical University, Syracuse, NY
- 2013 Religious exemptions to school immunization requirements, New York State Department of Health, Albany, NY
- 2011 Vaccine Refusal- Perplexing Problem, Upstate Medical University, Syracuse, NY
- 2011 Vaccine Refusal, American Academy of Pediatrics, Vaccine Summit, Otesaga, NY
- 2010 Vaccine Refusal, American Academy of Pediatrics, Vaccine Summit, Mohonk, NY

2008 Community onset MRSA, Upstate Medical University, Syracuse, NY

### ***INVITED REVIEWS/CHAPTERS/TEXTBOOKS***

1. **J Shaw.** Infections of the Oral Cavity. Principles and Practice of Pediatric Infectious Diseases, 5<sup>th</sup> edition. Edited by SS Long, LK Pickering, and C. Prober. 2016
2. Holz W, **Shaw J.** Functional symptoms in infectious disease: reading into titers. *In:* Ran D. Anbar (ed), Functional Symptoms in Pediatrics: A Clinical Guide. New York, NY: Humana Press, 2013.
3. **J Shaw.** Infections of the Oral Cavity. Principles and Practice of Pediatric Infectious Diseases, 4<sup>th</sup> edition. Edited by SS Long, LK Pickering, and C. Prober. 2012.
4. **J Shaw.** Retropharyngeal abscesses in children in Clinical Decision Support: Pediatrics, edited by McMillan JM; Barrett DJ; Boney CM; Jones MD. 2011. Decision Support in Medicine, LLC. Wilmington, DE. 2012.
5. **J Shaw.** Peritonsillar abscesses in children in Clinical Decision Support: Pediatrics, edited by McMillan JM; Barrett DJ; Boney CM; Jones MD. 2011. Decision Support in Medicine, LLC. Wilmington, DE. 2012.
6. **J Shaw.** 7 Reasons Why Parents Shouldn't Refuse or Delay Vaccinating Their Children. NYS DOH vaccine safety campaign 2011.

### ***TEACHING/MENTORING***

<b>Name</b>	<b>Degree</b>	<b>Role</b>	<b>Date</b>	<b>Trainee / Topic</b>
Nicole Derosa	PhD	Mentor	2015-current	Faculty, Director Severe Behavior Clinic
Marissa Mincolla	MD	Mentor	2014-2015	Assistant Professor, Department of Radiology, SUNY Upstate Medical University
Luz Gutierrez	MD	Advisor	2013-2016	Pediatric resident in training
Yuka Lai	MD	Advisor	2012-2014	MPH student SUNY Albany, NY. Immunization exemptions in NYS private schools.
Vanessa Orrego	MD	Advisor	2012-2015	Pediatric resident in training.
Maxime Berube	MD	Advisor	2011-2014	Surgery resident in training. Importance of Staphylococcus aureus virulence factors in children with localized, skin and soft tissue infection.
Aamer Imdad	MD	Advisor	2011-2014	Pediatric resident in training. Burden of Vaccine refusal in New York State.
Christine Tabarani	MD	Advisor	2010-2013	Pediatric resident in training.
Manika Suryadevara	MD	Advisor	2009-2012	Pediatric Infectious Disease Fellow. Incidence of

Janhavi Shirali	MD	Advisor	2009-2012	invasive community-onset Staphylococcus aureus infections in children in central New York. Medical Student. Subcutaneous versus Intravenous Immunoglobulin Replacement Therapy in a Pediatric Population with Primary Immunodeficiencies.
Roberta Moro	MD	Advisor	2006-2009.	Pediatric Infectious Disease Fellow. -Subcutaneous versus Intravenous Immunoglobulin Replacement Therapy in a Pediatric Population with Primary Immunodeficiencies. -Invasive CA-MRSA infections in children in upstate New York.

## ***LECTURES***

2009-current	Pediatric infectious disease core lectures for SUNY Upstate Medical University pediatric residents (3 lectures per year).
2006-current	Precepting, lecturing SUNY Upstate Medical University medical students and residents during their pediatric infectious disease rotations.
2015-2016	Excellence in clinical care course. Public health foundations. Integrated topics. SUNY Upstate Medical University.
2014-2015	Preventive Medicine Course, SUNY Upstate Medical University
October 2012	Antiviral medications. Medical Microbiology course. SUNY Upstate Medical University.
November 2011	Chemotherapy of Viral Infections. Medical Microbiology course. SUNY Upstate Medical University.

## ***AWARDS***

1. Elected by peers in Best Doctors in America® from 2015 to 2016
2. *Staphylococcus aureus* colonization in CNY children hospitalized with invasive *Staphylococcus aureus* infection. SUNY Upstate Medical University, Childrens' Miracle Network Grant 2013 Awarded \$12,800
3. Importance of *Staphylococcus aureus* virulence factors in children with localized, skin and soft tissue infection (SSTI).SUNY Upstate Medical University, Childrens' Miracle Network Grant 2010. Awarded \$11,400.

4. Subcutaneous Immunoglobulin (SCIG) Replacement Therapy in a Pediatric Population with Primary Immunodeficiency (PID): A Longitudinal Study. 2009-current.
5. 2007 Outstanding Educator Award, Samaritan Medical Center, Watertown, NY
6. 2009 Outstanding Educator Award, Samaritan Medical Center, Watertown, NY

### ***COLLABORATIONS***

- 2014-current Center for Disease Control and Prevention, Immunization Branch, Atlanta, GA.
- 2012-2015 Department of International Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD
- 2011-current Department of Immunization Bureau, NYSDOH, Albany, NY
- 2009-2015 Dr. Wolk –Director of the Geisinger Microbiology Laboratory and the Infectious Disease Research Laboratory at the Weis Research Center, Danville, PA

### ***PATENT***

**Bockova J**, Elias D, Abulafia R and Cohen IR. Novel peptides derived from human heat shock protein 60 kD for treatment of diabetes, compositions, methods and kits. Patent International Application number: PCT/US1996/011375. Publication Date: January 23<sup>rd</sup>, 1997. This patent describes two novel peptides which are T-cell epitopes derived from hsp60 and can be used for early diagnosis and treatment of early IDDM type 1.