

## CURRICULUM VITAE

**Miguel A. Guzman, M.D.  
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Pathology Department  
School of Medicine  
Saint Louis University  
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February 2014

### **Personal:**

Date of Birth: January 21, 1975  
Place of Birth: Bucaramanga, Colombia  
Marital Status: Married

### **Current Position:**

Assistant Professor  
Department of Pathology  
Saint Louis University School of Medicine  
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### **Education:**

1993-1999 School of Medicine, Universidad Industrial de Santander  
Bucaramanga, Colombia  
M.D. Degree

### **Postgraduate Training:**

2004-2007 Anatomic Pathology Residency  
SUNY Downstate Medical Center  
Department of Pathology  
Brooklyn, NY

2007-2008 Pediatric Pathology Fellowship  
Department of Pathology  
Children's Hospital Boston  
Boston, MA

2008-2010 Neuropathology Fellowship  
University of Pennsylvania  
Department of Pathology and Laboratory Medicine  
Philadelphia, PA

2010-2011 Pediatric Pathology Fellowship  
St. Christopher's Hospital for Children  
Department of Pathology and Laboratory Medicine  
Philadelphia, PA

**Academic Appointments:**

July 1, 2011-present Assistant Professor  
Department of Pathology  
Saint Louis University School of Medicine  
Saint Louis, Missouri

**Licensure and Certification:**

ECFMG Certification (2003)  
Massachusetts Medical License (2007, inactive)  
Pennsylvania Medical License (2008-2011, inactive)  
Missouri Medical License (2014, active)

**Specialty Certification:**

American Board of Pathology  
Anatomic Pathology Certification (2009)  
Pediatric Pathology Certification (2011)  
Neuropathology Certification (2012)

**Honors**

Faculty of the year, Pathology Department, Saint Louis University, 2013

**Society Membership:**

United States and Canadian Academy of Pathology  
Pediatric Pathology Society  
American Association of Neuropathologists

**Publications (Peer review)**

1. Liu J, **Guzman MA**, Pawel BR, Pezanowski DM, Patel DM, Roth JA, Halligan GE, de Chadarévian JP. Clonal trisomy 4 cells detected in the ossifying renal tumor of infancy: study of 3 cases. *Mod Pathol*. 2013 Feb;26(2):275-81. PMID: 22976287.
2. Heuer GG, Orlova KA, Pollock AN, **Guzman MA**, Judkins AR, Storm PB. Intracranial Sarcoma Metastasizing along Distal Shunt Tubing. *Pediatr Neurosurg*. 2012;48(1):62-3. [Epub 2012 Aug 21. ahead of print] PMID: 22922301.
3. McKinney JS, Raser JM, **Guzman MA**, Schlaepfer WW, Cucchiara BL, Messé SR, Sansing LH, Kasner SE. Noninflammatory Cerebral Vasculopathy Associated with Recurrent Ischemic Strokes. *J Stroke Cerebrovasc Dis*. 2012 Jul;21(5):417-21. PMID: 21075007
4. de Chadarévian JP, **Guzman MA**, Pascasio JM, Arthur LG III. Appendiceal goblet cell metaplasia and benign obstructive mucus retention in children: Report of eight cases and review of the literature. *Pediatr Dev Pathol*. 2012 Mar-Apr; 15(2):96-100. PMID: 22070094.

5. Heuer GG, Fenning RS, Brown M, Kilbaugh T, **Guzman MA**, Judkins AR, Rorke-Adams L, Sutton LN, Storm PB. Pulmonary edema and cardiac dysfunction after resection of a fourth ventricle tumor in a toddler: Case report. *Childs Nerv Syst.* 2011 Nov;27(11):2005-9. PMID: 21915724.
6. Liu J, **Guzman MA**, Pezanowski D, Patel D, Hauptman J, Keisling , Hou SJ, Papenhausen PR, Pascasio JM, Punnett HH, Halligan GE, de Chadarévian J-P. FOX01-FGFR1 Fusion and Amplification in the Solid Variant of Alveolar Rhabdomyosarcoma. *Mod Pathol.* 2011 Jun 10. doi: 10.1038/modpathol.2011.98. PMID: 21666686
7. de Chadarévian J-P, Liu J, Pezanowski D, Stefanovici C, **Guzman M**, Katz DA, Pascasio JM. A diagnosis of "Fetal Lung Interstitial Tumor" (FLIT) requires a FISH negative for trisomies 8 and 2. *Am J Surg Pathol.* 2011 Jul;35(7):1085. PMID: 21677544.
8. **Guzman MA**, Duke DS, Prasad M, de Chadarévian J-P. Multiple intestinal atresias associated with angiodysplasia in a newborn. *J Pediatr Surg.* 2011 Jul;46(7):1445-8. PMID: 21763851.
9. Balasubramanian M, Stefanovici C, **Guzman MA**, de Chadarévian J-P. Einstein's raspberry, a puzzling structure in the pulmonary veins of a stillborn. *Int J Surg Pathol.* 2011 Apr;19(2):191-2.
10. Lancaster E, Lai M, Peng X, Hughes E, Constantinescu R, Raizer J, Friedman D, Skeen MB, Grisold W, Kimura A, Ohta K, Iizuka T, **Guzman M**, Graus F, Moss SJ, Balice-Gordon R, Dalmau J. Antibodies to the GABA(B) receptor in limbic encephalitis with seizures: Case series and characterisation of the antigen. *Lancet Neurol.* 2010 Jan;9(1):67-76. PMID: 19962348. PMCID: PMC2824142.
11. Turkeltaub PE, **Guzman MA**, Lee EB, Galetta SL. Idiopathic eosinophilic meningoencephalomyelitis following Well syndrome. *Neurology.* 2009 Dec 8;73(23):2037-9. PMID: 19996079. PMCID: PMC2790232.
12. Talaat KR, Rothman JA, Cohen JI, Santi M, Choi JK, **Guzman M**, Zimmerman R, Nallasamy S, Brucker A, Quezado M, Pittaluga S, Patronas NJ, Klion AD, Nichols KE. Lymphocytic vasculitis involving the central nervous system occurs in patients with X-linked lymphoproliferative disease in the absence of Epstein-Barr virus infection. *Pediatr Blood Cancer.* 2009 Dec;53(6):1120-3. PMID: 19621458. PMCID: PMC2745493.
13. Ouyang J, **Guzman M**, Desoto-Lapaix F, Pincus MR, Wieczorek R. Utility of desmin and a Masson's trichrome method to detect early acute myocardial infarction in autopsy tissues. *Int J Clin Exp Pathol.* 2009 Sep 20;3(1):98-105. PMID: 19918333. PMCID: PMC2776270.
14. Song X, Anderson V, **Guzman M**, Rao C. Neuropathology of 3-hydroxyisobutyric aciduria, an autopsy case report. *Can J Neurol Sci.* 2009 Jul;36(4):483-6. PMID: 19650361.
15. **Guzman M**, Judkins AR. Digital pathology: A tool for 21st century neuropathology. *Brain Pathol.* 2009 Apr;19(2):305-16. PubMed PMID: 19290997.
16. Chogle A, Nguyen K, Lazare F, **Guzman M**, Anderson V, Treem WR. Gastric Burkitt lymphoma: A rare cause of upper gastrointestinal bleeding in a child with HIV/AIDS. *J Pediatr Gastroenterol Nutr.* 2009 Feb; 48(2):237-9. PubMed PMID: 19179888.

17. Al-Agha OM, **Guzman MA**, Lehto SA. Pathology quiz case 2. Solitary neurofibroma (SNF) of the parapharyngeal space. Arch Otolaryngol Head Neck Surg. 2007 Jan;133(1):95, 97-8. PubMed PMID: 17224536.

#### **Publications (Non-peer review)**

1. Salas S; Guzman M; and Judy K. (2011) "Bevacizumab: A Controversial Agent against High-Grade Gliomas," *JHN Journal*: Vol. 6: Iss. 2, Article 3. Available at: <http://jdc.jefferson.edu/jhnj/vol6/iss2/>
2. Ardila E, Guzman M, Cristancho L, Mendez L, Puig A, Medina F et al. Associated factors in hip fractures in three University-based Colombian hospitals. *Rev Asoc Col Geront and Geriat*. 2002;16:3
3. Gelvez B, Florez J, Guzman MA. Malaria during pregnancy: Review of 115 cases at the Hospital San Jose del Guaviare. *MEDICAS UIS* 2000:
4. García E, Guzmán MA, León CA. Case Presentation: Inflammatory Pseudotumor as cause of Fever of Unknown Origin. *MEDICAS UIS* 1997;11:137-41.
5. Guzman MA. Description of a new Herpes virus associated with Kaposi's sarcoma. *MEDICAS UIS* 1995; 8:144-5.

#### **Research and meetings presentations**

1. Expression of VEGF and Anti-angiogenic PEDF in NF1 Pilocytic Astrocytomas with Unusual Vascularity and Imaging Findings. Guzman M, Habeebu S, Fitchev P, Crawford S. Louis University. Poster presentation at the 89th Annual Meeting of the AANP, June 20-23 2013, Charleston, SC.
2. Loss Of Anti-Angiogenic Proteins Thrombospondin-1 (Tsp-1) & Pigment Epithelium-Derived Factor (PEDF) In Mice Results In Systemic Lymphangiogenesis And Hydrocephalus. Guzman MA, Fitchev P, Habeebu SS, Cornwell M, Crawford SE. Platform presentation at the 2013 Pediatric Science Days Symposium, Saint Louis University Department of Pediatrics and Cardinal Glennon Children's Medical Center, April 11-12 2013, Saint Louis, MO.
3. Chromogenic In Situ Hybridization (CISH) for Detection of Epidermal Growth Factor Receptor (EGFR) Copy Number to Determine the Neoplastic Nature of Ganglion Cells in Ganglioneuronal Neoplasms. Saad AG, Guzman M, Ligon K. Poster presentation at the 97th Annual Meeting of the USCAP, February 29 - March 2 2008, Denver, CO.
4. Preventable causes of stillbirths at an inner city hospital. Gilbert-Lewis KN, Anderson V, Guzman M. Presented at the American Public Health Association (APHA) 135th Annual Meeting and Exposition November 3 - 7, 2007; Washington, DC.

5. Villous Dysmorphology Is Associated with Perinatal Pathologic Leydig Cell Hyperplasia. Ouyang J, Guzman M, Anderson VM. Poster presentation at the Pediatric Academic Societies' Annual Meeting, May 5-8, 2007.
6. Performance Characteristic of Criteria for Fetal Vascular Thrombosis in Stillbirth Placentas. Boyd T, Chikwava K, Guzman M, Kurek K, Fan R, Crum C, Parast M. Platform presentation at the 97th Annual Meeting of the USCAP, February 29 - March 2 2008, Denver, CO.
7. Neonatal Outcome: Predictive Value of Placental Examination. Guzman MA, Banfro F, Lungani S, Anderson V. Platform presentation at the 96th Annual Meeting of the USCAP, March 24- 30 2007, San Diego, CA.
8. Detecting Acute Infarction in Autopsy Myocardium: Is There a Better Way than Hematoxylin and Eosin (H&E)? Guzman MA, Wieczorek R, DeSoto-Lapaix F, Pinkus M. Poster presentation at the 96th Annual Meeting of the USCAP, March 24- 30 2007, San Diego, CA.
9. A Comparative Analysis of Florid Atherosclerosis in Pre-eclampsia and Chronic Renal Transplant Rejection. Guzman MA, Quimbo R, Igbokwe A, Anderson V. Poster presentation at the 100 Congress of the International Academy of Pathology, September 16 - 21, 2006 | Montreal, QC. Canada
10. Cerebellar Metastatic Adenocarcinoma With Unusual Immunoperoxidase Results. Song X, Guzman MA, Chandrakant R, Choi J, Sadr A. Poster presentation at the XVI International Congress of Neuropathology Meeting, September 10-15 2006. San Francisco, CA.
11. Unusual Case of Neonatal Cholelithiasis, Cholangitis, Cholecystitis and Perforation of Common Bile Duct.. Chogle A, Guzman MA. Poster presentation at the NASPGHAN 18TH Annual Meeting, October 20-23 2005, Salt Lake City, Utah.
12. Anti-REG I And III Antibodies Worsen Pancreatitis In Vivo. Viterbo D, Bluth M, Mueller C, Callender G, Lin Y, Murray S, Ocasio V, Guzman MA, DiMaio T, Zenilman M. Department of Surgery, Neurosurgery, and Pathology, SUNY Downstate Medical Center, Brooklyn, N.Y. 11203. Poster presentation at the Pancreas Club and Digestive Disease Week, , May 14-19, 2005 Chicago, IL

### **Language Fluency**

English /Spanish