

**Curriculum Vitae**  
**Katherine E. Schwetye, M.D., Ph.D.**

**Personal Information**

Department of Pathology  
Saint Louis University School of Medicine  
1402 S. Grand Blvd.  
St. Louis, MO 63104  
phone 314-268-7162  
fax 314-577-6132  
schwetyeke@slu.edu

**Current Position**

Assistant Professor of Pathology, Saint Louis University 08/15/16

**Education**

Postgraduate training:  
Neuropathology Fellowship – Washington University 07/14-07/16  
Selective Pathology Fellowship – Washington University 07/13-06/14  
Anatomic Pathology Residency – Washington University 07/11-06/13  
M.D., Ph.D., Washington University 08/02-05/11  
Dissertation: "Dynamic measurement of soluble human A $\beta$  in a combined  
microdialysis-experimental traumatic brain injury mouse model"  
Mentor: David L. Brody, M.D., Ph.D.  
B.A., Physics and Philosophy, Washington University (transferred) 08/00-08/01  
Bryn Mawr College, attended 08/98-05/00

**Board Certification and Licensure**

Anatomic Pathology Board Certification 07/14-12/24  
Missouri State Board of Registration for the Healing Arts License 01/15-01/17  
State of Illinois Department of Financial and Professional Regulation  
License exp. 07/17

**Professional Society memberships**

American Association of Neuropathologists  
College of American Pathologists  
United States and Canadian Academy of Pathology  
Missouri Society of Pathologists  
Wagih Bari Society of St. Louis Pathologists

**Current and Past Teaching Responsibilities**

Neuropathology, Neuroradiology, Neurosurgery Conjoint Conference (monthly) 08/14-05/15  
Comprehensive Pituitary Center conference (monthly) 10/14-05/15  
Various resident and fellow teaching conferences (weekly) 07/13-06/15  
Medical student 2<sup>nd</sup> year Pathology course lecturer  
Renal Vascular Diseases; Tubulointerstitial Disease 10/14  
Medical student 1<sup>st</sup> year course teaching assistant  
Neural Sciences 03/06-05/06

**Bibliography**

Peer-reviewed articles:  
1. Fox IK, Schwetye KE, Keune JD, Brenner MJ, Yu JW, Hunter DA, Wood PM, Mackinnon SE. Schwann-cell injection of cold-preserved nerve allografts. Microsurgery. 2005; 25(6):502-7. 01/05

2. Keune JD, Brenner MJ, Schwetye KE, Yu JW, Fox IK, Hunter DA, Mackinnon SE. Temporal factors in peripheral nerve reconstruction with suture scaffolds: an experimental study in rodents. *Restor Neurol Neurosci*. 2006;24(3):181-90. 01/06
3. Hartman RE, Shah A, Fagan AM, Schwetye KE, Parsadonian M, Schulman RN, Finn MB, Holtzman DM. Pomegranate juice decreases amyloid load and improves behavior in a mouse model of Alzheimer's disease. *Neurobiol Dis*. 2006 Dec; 24(3):506-15. 12/06
4. Jong YJ\*, Schwetye KE\*, O'Malley KL. J Neurochem. Nuclear localization of functional metabotropic glutamate receptor mGlu1 in HEK293 cells and cortical neurons: role in nuclear calcium mobilization and development. 2007 Apr; 101(2):458-69. (\*co-first authors) 04/07
5. Brody DL, Mac Donald C, Kessens CC, Yuede C, Parsadonian M, Spinner M, Kim E, Schwetye KE, Holtzman DM, Bayly PV. Electromagnetic controlled cortical impact device for precise, graded experimental traumatic brain injury. *J Neurotrauma*. 2007 Apr; 24(4):657-73. 04/07
6. Brody DL, Magnoni S, Schwetye KE, Spinner ML, Esparza TJ, Stocchetti N, Zipfel GJ, Holtzman DM. Amyloid-beta dynamics correlate with neurological status in the injured human brain. *Science*. 2008 Aug 29; 321(5893):1221-4. 08/08
7. Schwetye KE, Cirrito JR, Esparza TJ, Mac Donald CL, Holtzman DM, Brody DL. Traumatic brain injury reduces soluble extracellular amyloid- $\beta$  in mice: a methodologically novel combined microdialysis-controlled cortical impact study. *Neurobiol Dis*. 2010 Dec; 40(3):555-64. 12/10
8. Willie JT, Lim MM, Bennett RE, Azarion AA, Schwetye KE, Brody DL. Controlled cortical impact traumatic brain injury acutely disrupts wakefulness and extracellular orexin dynamics as determined by intracerebral microdialysis in mice. *J Neurotrauma*. 2012 July 1; 29(10):1908-21. 07/12
9. Schwetye KE, Pfeifer JD, Duncavage EJ. MED12 exon 2 mutations in uterine and extrauterine smooth muscle tumors. *Hum Pathol*. 2014 Jan;45(1):65-70. 01/14
10. Schwetye KE, Joseph NM, Al-Kateb H, Rich KM, Schmidt RE, Perry A, Gutmann DH, Dahiya S. Gliosarcomas lack BRAFV600E mutation, but a subset exhibit  $\beta$ -catenin nuclear localization. *Neuropathology*. 2016 Mar 2. 03/16
11. Soleimani-Meigooni DN, Schwetye KE, Angeles MR, Ryschkewitsch CF, Major EO, Dang X, Koralnik IJ, Schmidt RE, Clifford DB, Kuhlmann FM, Bucelli RC. JC virus granule cell neuronopathy in the setting of chronic lymphopenia treated with recombinant interleukin-7. *J Neurovirol*. 2016 Jul 15. 07/16

Invited review articles:

1. Hutter A, Schwetye KE, Bierhals AJ, McKinstry RC. Brain neoplasms: epidemiology, diagnosis, and prospects for cost-effective imaging. *Neuroimaging Clin N Am*. 2003 May; 13(2):237-50, x-xi. Review. 05/03
2. Schwetye KE, Gutmann DH. Cognitive and behavioral problems in children with neurofibromatosis type 1: challenges and future directions. *Expert Rev Neurother*. 2014 Oct;14(10):1139-52. 10/14
3. Miller-Thomas M, Sipe A, Connolly S, Benzinger T, McConathy J, Schwetye KE. Multimodality review of amyloid-related diseases of the central nervous system. *Radiographics*. 2016 Jul-Aug;36(4):1147-1163.

Abstracts:

National/international

1. Cimino PJ, Schwetye KE, Schmidt RE, Dahiya S. Frequency of ATRX mutations in adolescent mixed oligoastrocytomas. Poster session presented at: United States and Canadian Academy of Pathology, March 21-27, 2015, Boston, MA. 03/15
2. Schwetye KE\*, Ferguson CJ\*, Luo J, Dahiya S. TCGA data set gene expression analysis with regards to EGFR and BRAF mutation. Poster session presented at: American Association of Neuropathologists, June 11-14, 2015, Denver, CO. (\*co-first authors) 06/15
3. Soleimani-Meigooni DN, Schwetye KE, Reyes M, Major EO, Dang X, Koranik IJ, Schmidt RE, Clifford DB, Kuhlmann FM, Bucelli RC. JC virus granule cell neuronopathy in the setting of chronic lymphopenia treated with recombinant interleukin-7. Poster session at: American Neurological Association, September 27-29, 2015, Chicago, IL. 09/15
4. Schwetye KE, Carter J, Tsien C, Sengul A, Schmidt RE, Kim AH, Dahiya S. Clinical next-generation sequencing in meningiomas. Oral presentation at: Society for Neuro-Oncology Conference on Meningioma, June 17-18, 2016, Toronto, Ontario, Canada. 06/16
5. Schwetye KE, Schmidt RE. Case 2016-2 of the 57<sup>th</sup> Annual Diagnostic Slide Session: Angiocentric glioma. Oral presentation at: American Association of Neuropathologists Annual Meeting, June 16-19, 2016. 06/16

#### Regional/local

1. Kung N, Kulik T, Schwetye KE. An unusual case of intravascular NK/T-cell lymphoma. Poster session presented at: Washington University Department of Neurology Residents Day Symposium, May 22, 2015, St. Louis, MO. 05/15
2. O'Keefe E, Schwetye KE, Nazarian J, Perrin R, Schmidt RE, Bucelli R. The puzzling case of a 66-year-old woman with a progressive, longitudinally extensive, tract specific, myelopathy. Poster session presented at: Washington University Department of Neurology Residents Day Symposium, June 3, 2016, St. Louis, MO. 06/16