

**EMILY S. HERNDON, M.D**  
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**EMPLOYMENT**

**Assistant Clinical Professor** 8/1/2008 to current  
Division of Neuropathology, Department of Pathology  
University of Texas Southwestern Medical Center at Dallas

**EDUCATION,  
LICENSURE,  
&  
BOARD  
CERTIFICATION**

**Neuropathology board certification** 9/10/2009 to 12/31/2019  
American Board of Pathology

**Neuropathology Fellowship** 8/11/2006 to 8/1/2008  
University of Texas Southwestern Medical Center at Dallas

**Combined Anatomic and Clinical Pathology board certification** 8/21/2007 to 12/31/2017  
American Board of Pathology

**Combined Anatomic and Clinical Pathology Residency** 7/1/2002 to 8/11/2006  
University of Texas Southwestern Medical Center at Dallas

**Texas State Medical License – L3997** 3/22/2002 to 11/30/2011

**General Surgery residency training** 6/22/1999 to 6/30/2001  
University of Texas Medical Branch at Galveston  
Completed USMLE Step III in 88<sup>th</sup> percentile

**Medical Degree** 8/1/1995 to 6/4/1999  
University of Texas Southwestern Medical School at Dallas  
Completed USMLE Steps I and II in 87<sup>th</sup> and 85<sup>th</sup> percentiles  
Ranked 81 of 198 with GPA 3.56

**Bachelor of Arts** 1990 to 5/29/1994  
Wesleyan University  
Majored in Molecular Biology and Biochemistry  
Graduated with GPA 3.7

**PUBLICATIONS**

**&  
RESEARCH**

Chen X, Wu J, Lvovskaya S, Herndon E, Supnet C, Bezprozvanny I. Dantrolene is neuroprotective in Huntingtons disease transgenic mouse model. *Molecular Neurodegeneration*. 2011 Nov 25;6(1):81.

Cravens PD, Hussain RZ, Zacharias TE, Ben LH, Hernden E, Vinnakota R, Lambracht-Washington D, Nessler S, Zamvil SS, Eagar TN, Stuve O. Lymph node-derived donor encephalitogenic CD4+ T cells in C57BL/6 mice adoptive transfer experimental autoimmune encephalomyelitis highly express GM-CSF and T-bet. *Journal of Neuroinflammation*. 2011 Jun 24;8(1):73.

Liu J, Tang TS, Tu H, Nelson O, Herndon E, Huynh DP, Pulst SM, Bezprozvanny I. Deranged calcium signaling and neurodegeneration in spinocerebellar ataxia type 2. *Journal of Neuroscience*. 2009 Jul 22;29(29):9148-62.

Herndon ES, Hladik CL, Shang P, Burns DK, Raisanen J, and White CL, III. Neuroanatomical

- profile of polyglutamine immunoreactivity in Huntington disease brains. *Journal of Neuropathology and Experimental Neurology*.2009 Mar;68(3):250-61.
- Herndon ES, Hladik CL, Shang P, and White CL, III. Polyglutamine immunoreactivity is present in FTLD-U and normal controls. (abstract and poster) Annual Meeting of the American Association of Neuropathologists, April 2008.
- Herndon ES, Hladik CL, Shang P, Burns DK, and White CL, III. Intraneuronal polyglutamine aggregates are present in diverse CNS locations in Huntington disease. (abstract and poster) Annual Meeting of the American Association of Neuropathologists, April 2007.
- Sarosi GA, Jaiswal K, Herndon E, Lopez-Guzman C, Spechler SJ, Souza RF. Acid increases MAPK-mediated proliferation in Barrett's esophageal adenocarcinoma cells via intracellular acidification through a Cl-/HCO<sub>3</sub>- exchanger. *American Journal of Physiology - Gastrointestinal & Liver Physiology*.2005;289(6):G991-7.
- Herndon E, Jones V, Bennett M. Lethargy and hyperammonemia in a neonate. *Laboratory Medicine*.2003;11:779-781.

- Research Fellow**, Dallas VA Medical Center 2001 to 2002  
 PI: George A. Sarosi, MD  
 Studied the effects of extracellular pH on mitogen activated protein kinases in a Barrett's adenocarcinoma derived cell line
- Research Assistant**, Wesleyan University Fall, Summer 1993  
 PI: Charlotte I. Hammond, PhD.  
 Performed experiments on yeast metabolism using agarose gel electrophoresis, restriction enzyme digestion and transformations of bacterial and yeast cells

## LECTURES

- Neuropathology Resident Lecture Series** Fall 2009-10  
 Presented lectures on toxic/metabolic disorders of skeletal muscle, disorders of peripheral nerve, non-Alzheimer neurodegenerative disorders.
- Freshman Neuroanatomy Course** Spring 2009  
 Presented 5 lectures on spinal cord anatomy.
- Huntington's disease in 2008...putting the pieces together.** "Update in Pathophysiology" conference, Department of Pathology, UT Southwestern, 2008.
- Pick's disease: A window into the tauopathies.** "Update in Pathophysiology" conference, Department of Pathology, UT Southwestern, 2005.
- Tumors of the choroid plexus.** "Update in Pathophysiology" conference, Department of Pathology, UT Southwestern, 2003.

## TEACHING

- Freshman Neuroanatomy Course** Spring 2005, 2007, 2009-11  
 Demonstrated gross neuroanatomy to first year medical students at UT Southwestern in a small group setting
- Sophomore Pathology Course** Fall 2003, Winter 2005, 2011  
 Led small group discussions with sophomore UT Southwestern medical students through case histories covering systemic and anatomic pathology topics

## MEMBERSHIPS

- American Association of Neuropathologists**  
**American Society for Clinical Pathology**