

## ERIC W. AMUNDSON, M.D.

NewSouth NeuroSpine, LLC  
2470 Flowood Drive  
Flowood, Mississippi 39232  
Office: 601 936-0400  
Fax: 601 932-4845

### EDUCATION

- High School: Bayshore High School  
Bradenton, Florida, 1990
- Undergraduate: Duke University  
Durham, North Carolina  
Degree: Bachelor of Arts, 1994  
Majors: Chemistry, Economics  
*Magna cum laude, Phi Beta Kappa, with distinction in chemistry*
- Medical School: Johns Hopkins University School of Medicine  
Baltimore, Maryland  
Degree: Doctor of Medicine, 1998

### PROFESSIONAL EXPERIENCE

- 1999 Intern, Department of General Surgery  
Johns Hopkins Hospital, Baltimore, MD
- 1999-2001 Assistant Resident, Department of Neurosurgery  
Johns Hopkins Hospital, Baltimore, MD
- 2001-2002 Chief Resident, Department of Neurosurgery  
Johns Hopkins Hospital, Baltimore, Maryland  
Johns Hopkins Bayview Medical Center  
Pediatric Neurosurgery Service  
Walker Functional Neurosurgery Service
- 2002-2004 Neuro-Oncology fellow, Johns Hopkins Neurosurgical Research Laboratory  
Johns Hopkins University School of Medicine, Baltimore, MD  
NIH National Research Service Award CA-09574
- 2004-2005 Assistant Chief of Service  
Department of Neurosurgery  
Johns Hopkins Hospital, Baltimore, Maryland
- 2004-2005 Instructor

Department of Neurosurgery  
Johns Hopkins Hospital, Baltimore, Maryland

- 2005-2008 Private Practice  
Mississippi Neurosurgery and Spine Center, LLC  
Flowood, Mississippi
- 2008-present Private Practice  
NewSouth NeuroSpine, LLC  
Flowood, Mississippi

### **CERTIFICATION AND LICENSURE**

- 2002 American Board of Neurological Surgery Primary Examination  
2003-2005 State of Maryland Medical License  
2003-2005 State of New York Medical License  
2005 State of Mississippi Medical License  
2009 American Board of Neurological Surgery Certified

### **HONORS**

Phi Beta Kappa

### **PROFESSIONAL SOCIETIES**

Congress of Neurological Surgeons

### **RESEARCH**

- 1992-1993 Edward Arnett, Ph.D.  
Department of Chemistry, Duke University, Durham, North  
Carolina  
A thermochemical study of the Wittig olefination reaction
- 1993 Minor J. Coon, Ph.D.  
Department of Biochemistry, University of Michigan, Ann Arbor,  
Michigan, Summer Undergraduate Research Program Fellow  
Cytochrome P450-catalyzes oxidative cleavage of benzaldehydes.
- 1995 David Zee, M.D.  
Department of Neurology, Johns Hopkins University School of  
Medicine, Baltimore, Maryland  
The linear vestibular ocular reflex in humans

- 1997 Henry Brem, M.D.  
Department of Neurosurgery, Johns Hopkins University School of  
Medicine, Baltimore, Maryland  
Characterization of new class of topoisomerase I inhibitors v.  
gliomas
- 2002-2004 Henry Brem, M.D.  
Department of Neurosurgery, Johns Hopkins University School of  
Medicine, Baltimore, Maryland  
Malignant gliomas:  
Local, controlled release of novel alkylating agent  
Cyclooxygenase-2 inhibitor  
Antineoplastic effect  
Antiedema effect
- 2002-2004 Ziya Gokaslan, M.D.  
Department of Neurosurgery, Johns Hopkins University School of  
Medicine, Baltimore, Maryland  
Novel intraosseous vertebral tumor model

## ARTICLES

Sampath, P., Amundson, E. W. *Camptothecin analogs in malignant gliomas: comparative analysis and characterization*, Journal of Neurosurgery 98:570-577, 2003.

Brem, H., Amundson, E. W. *Preparing Hopkins medical students for a career in academic neurosurgery*, Surgery 134:414-415, 2003.

McGirt, M.J., Woodworth, G.F., Coon, A.L., Frazier, J.M., Amundson, E.W., Garonzik, I., Olivi, A., Weingart, J.D. *Independent predictors of morbidity after image-guided stereotactic brain biopsy: A risk assessment of 270 cases*, Journal of Neurosurgery 102(5):897-901, 2005.

Mantha, A., Legnani, F.G., Bagley, C.A., Gallia, G.L., Garonzik, I., Pradilla, G., Amundson, E.W., Tyler, B.M., Brem, H., Gokaslan, Z.L. *A novel rat model for the study of intraosseous metastatic spine cancer*, Journal of Neurosurgery Spine 2(3):303-7, 2005.

Amundson, E. W., McGirt, M. J., Olivi, A. *A contralateral, transfrontal, extraventricular approach to stereotactic brainstem biopsies*, Journal of Neurosurgery 102(3):565-70, 2005.

Amundson, E. W., Pradilla, G., Brastianos, P., Bagley C., Riley, L.H. 3<sup>rd</sup>, Garonzik, I.M., McCarthy, E., Wolinsky, J.P., Gokaslan, Z. *A novel intravertebral tumor model in rabbits*, Neurosurgery 57(2):341-6, 2005.

Mavinkurve, G.G., Sciubba, D., Amundson, E., Jallo, G.I., *Familial Chiari type I malformation with syringomyelia in two siblings: case report and review of the literature*, Childs Nervous System Apr 9 2005.

## **ABSTRACTS**

Amundson, E.W., Sampath, P., Tyler, B., Brem, H., Weingart, J.D. *A Mechanistic Study of Camptothecin Analogues in Gliomas*, American Association of Neurological Surgeons Annual Meeting, Philadelphia, Pennsylvania 1998.

Amundson, E.W., Hdeib, A., Tyler, B.S., Brem, H., Weingart, J.D. *SJG-136: A novel agent for the treatment of experimental gliomas: an in vitro study*, American Association of Neurological Surgeons Annual Meeting, San Diego, California 2003.

Amundson, E.W., Tyler, B.S., Brem, H., Weingart, J.D. *SJG-136: A Novel Agent for the Treatment of Experimental Gliomas: An In Vivo Toxicity and Efficacy Study*, Congress of Neurological Surgeons Annual Meeting, Denver, Colorado 2003.

Upadhyay, U., Amundson, E. W., Caplan, J., Tyler, B. M., Brem, H. *Mechanistic and efficacy studies of nimesulide (cox-2 inhibitor) in combination with BCNU versus experimental gliomas*, American Association of Neurological Surgeons Annual Meeting, Orlando 2004.

Upadhyay, U., Amundson, E. W., Fisch, A., Brem, H. *Efficacy studies of dexamethasone in combination with BCNU versus experimental gliomas*, American Association of Neurological Surgeons Annual Meeting, Orlando 2004.

Amundson, E. W., Pradilla, G., Brastianos, P., Gokaslan, Z. *A novel intraosseous vertebral tumor model in rabbits*, American Association of Neurological Surgeons Annual Meeting, Orlando 2004.

## **TEACHING EXPERIENCE**

2003            Instructor, Neuroscience Course  
                  Johns Hopkins School of Medicine  
                  Baltimore, Maryland

## **SHORT COURSES**

Johns Hopkins Spinal Symposium, Synthes Spine  
Course Director: James Campbell  
Paoli, Pennsylvania, October 12-13, 2001

Principles and Practice of Gamma Knife Surgery  
Course Director: Dade Lunsford, Douglas Kondziolka, John Flickinger  
Pittsburgh, Pennsylvania, June 2-6, 2003

Advances in Neurosurgery, The Anspach Effort, Inc.

Course Director: Johnny Delashaw  
Palm Beach Gardens, Florida, July 2003

Resident's course, Brainlab  
Munich, Germany, March 5-8, 2004

Minimally invasive spine techniques, Sofamor Danek  
New Orleans, Louisiana, May 2005

Charite Artificial Disc Comprehensive Training Program  
Cincinnati, Ohio, September 14-15 2005

Cyberknife Training Course  
Jackson, Mississippi, March 30, 2006

Kyphoplasty Training Course  
Dallas, Texas, June 15, 2006