

ERIC W. AMUNDSON, M.D.

Mississippi Neurosurgery and Spine Center, PLLC
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Flowood, MS 39232
(601) 936-0400

EDUCATION

- Medical School: 8/1994 – 6/1998
Johns Hopkins University School of Medicine
Baltimore, Maryland
Degree: Doctor of Medicine, 1998
- Undergraduate: 8/1990 – 6/1994
Duke University
Durham, North Carolina
Degree: Bachelor of Arts, 1994
Majors: Chemistry, Economics
Magna cum laude, Phi Beta Kappa, with distinction in chemistry
- High School: Bayshore High School
Bradenton, Florida, 1990

PROFESSIONAL EXPERIENCE

- 7/98 – 6/99 Intern, Department of General Surgery
Johns Hopkins Hospital, Baltimore, MD
Program Director: John Cameron, M.D.
- 7/99 – 6/05 Resident, Department of Neurosurgery
Johns Hopkins Hospital, Baltimore, MD
Program Director: Henry Brem, M.D.
- 7/04 – 6/05 Assistant Chief of Service
Department of Neurosurgery
Johns Hopkins Hospital, Baltimore, Maryland
- 7/04 – 6/05 Instructor
Department of Neurosurgery
Johns Hopkins Hospital, Baltimore, Maryland
- 8/05 – * Private Practice
Mississippi Neurosurgery and Spine Center, PLLC
Jackson, Mississippi

CERTIFICATION AND LICENSURE

2002 American Board of Neurological Surgery Primary Examination
2003 State of Maryland Medical License
2003 State of New York Medical License

HONORS

Phi Beta Kappa

PROFESSIONAL SOCIETIES

American Association of Neurological Surgeons
Congress of Neurological Surgeons

RESEARCH

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

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

1995 David Zee, M.D.
Department of Neurology, Johns Hopkins University School of
Medicine, Baltimore, Maryland
The linear vestibular ocular reflex in humans

- 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.
- 1992-1993 Edward Arnett, Ph.D.
Department of Chemistry, Duke University, Durham, North
Carolina
A thermochemical study of the Wittig olefination reaction

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., Amundson, E.W., Frazier, J.M., Olivi, A., Weingart, J.D. *Independent predictors of morbidity after image-guided stereotactic brain biopsy: A risk assessment of 270 cases*, Journal of Neurosurgery in press.

Mantha, A., Legnani, F.G., 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 in press.

Amundson, E. W., McGirt, M. J., Olivi, A. *A contralateral, transfrontal, extraventricular approach to stereotactic brainstem biopsies* Journal of Neurosurgery in press.

Amundson, E. W., Pradilla, G., Brastianos, P., Mantha, A., Gokaslan, Z. *A novel intraosseous vertebral tumor model in rabbits*, submitted to Neurosurgery May 2004.

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

PERSONAL

Date of Birth: August 30, 1972
Place of Birth: Sarasota, Florida
Marital Status: single