

CURRICULUM VITAE

Adetokunbo Adegboyega **OYELESE**

EDUCATION

- 1989-1997 Yale University, New Haven, CT
**Degrees: MD (*cum laude*)
PhD, Neuroscience**
- 1986-1988 Purdue University, West Lafayette, IN
Degree: MS. Biology (Animal Physiology and Neurobiology)
- 1981-1985 University of Ibadan, Nigeria
Degree: BSc. Physiology, (Honors).
- 1976-1981 International High School, Ibadan Nigeria

CURRENT POSITION

Assistant Professor Clinical Neurosciences (Neurosurgery)
Director Neurosurgical Trauma and Spinal Disorders
Director Neurosurgery Ambulatory Clinics
Brown Medical School and Rhode Island Hospital
Providence, Rhode Island

ACADEMIC POSITIONS

- 2004 Clinical Fellow, Institute for Spinal Disorders, Cedars Sinai Hospital, Los Angeles, California
- 2003 – 2004 Chief Resident, Department of Neurosurgery, Stanford University, Palo Alto, California
- 2001 – 2003 Postdoctoral Fellow, Department of Neurosurgery, Stanford University, Palo Alto, California
- 1998 – 2003 Resident, Department of Neurosurgery, Stanford University, Palo Alto, California
- 1997 – 1998 Surgical Intern, Department of Surgery, Stanford University, Palo Alto, California
- 1992 – 1993 Teaching Assistant, Yoruba Language, Yale University, New Haven, Connecticut
- 1988 - 1989 Research Assistant, Dept. of Pharmacology, Univ. of Illinois, Chicago, Illinois
- 1986 - 1988 Teaching Assistant, Biology and Physiology, Purdue University, West Lafayette, Indiana
- 1985 - 1986 Research Assistant, Dept. of Medicine, University College Hospital, Ibadan, Nigeria

AWARDS AND HONOR SOCIETIES

2001 – 2003	Recipient AANS NREF fellowship award
1997	MD (<i>cum laude</i>)
1997	Alpha Omega Alpha (AOA) Medical Honor Society
1997	Outstanding MD/PhD student award
1997	Peter A.T. Grannum Award
1991 – 1997	MSTP Scholarship
1995	Yale Minority Medical Association (YMMA) Prize for Excellence in Biomedical Research
1989	National Medical Fellowship Scholarship

RESEARCH INTERESTS	Stem cell biology, trans-differentiation and neuro-transplantation paradigms CNS injury, plasticity, repair and regeneration
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PH.D DISSERTATION	Plasticity of electrophysiological properties of axotomized sensory neurons in the adult rat: Regulatory role of neurotrophins
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RESEARCH FUNDING

2001 – 2003	AANS Neurosurgery Research Education Foundation Fellowship
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PROFESSIONAL AFFILIATIONS

2003 – present	Hanbery Neurosurgical Society
1999 – present	American Association of Neurological Surgeons – Member
1999 – present	Congress of Neurological Surgeons – Transitional Member
1994 – present	Society for Neuroscience – Member

BIBLIOGRAPHY

JOURNAL ARTICLES

1. **Oyelese AA**, Eng DL, Richerson GB, and Kocsis JD. Enhancement of GABA_A receptor-mediated conductances induced by nerve injury in a subclass of sensory neurons. *J. Neurophysiol.* 74(2): 673-683, 1995
2. Honmou O, **Oyelese AA** and Kocsis JD. The anticonvulsant Gabapentin enhances promoted release of GABA in hippocampus: a field potential analysis. *Brain Research* 692: 273-277, 1995
3. **Oyelese AA** and Kocsis JD. GABA_A receptor-mediated Conductance and Action Potential Waveform in Cutaneous and Muscle Afferent Neurons of the

- Adult Rat: Differential Expression and Response to Nerve Injury. *J. Neurophysiol.* 76(4): 2383-2392, 1996
4. **Oyelese AA**, Rizzo MA, Waxman SG, and Kocsis JD. Differential Effects of NGF and BDNF on Axotomy-induced Changes in GABA_A receptor-mediated Conductance and Sodium Currents in Cutaneous Afferent Neurons. *J. Neurophysiol.* 78: 31-42, 1997
 5. Chang SD, Gibbs IC, Sakamoto GT, Lee E, **Oyelese A**, and Adler JR Jr. Staged stereotactic irradiation for acoustic neuroma. *Neurosurgery.* 56(6): 1254-61, 2005
 6. **Oyelese AA**, Steinberg GK, Huhn SL, and Wijman CA. Paradoxical cerebral herniation secondary to lumbar puncture after decompressive craniectomy for a large space-occupying hemispheric stroke: case report. *Neurosurgery.* 57(3): E594, 2005.
 7. **Oyelese AA**, Lee E, Chang SD, Golby AJ, Martin DP, M.D., Hancock SL, Adler JR. Tumor Control and Hearing Preservation Following Frame-Based Fractionated Stereotactic Radiosurgery in Patients with Vestibular Schwannomas: An Intermediate Follow-up. *In preparation*
 8. **Oyelese AA**, Kaufmann D, Johannet, P and Matz PG. Chronic Epidural Abscess Causing Soft Tissue Deformity Following Cranioplasty. *In preparation*
 9. **Oyelese AA**, Kim D and Huhn SL. Aggressive Aneurysmal Bone Cyst Involving C2, Requiring Radical Resection and Complex Athrodesis From Clivus to C3. *In preparation*

ABSTRACTS, POSTERS AND ORAL PRESENTATIONS

1. **Oyelese AA**, Kocsis JD and Mattson RH. Modulation of CA1 hippocampal neuronal excitability by inhibition of GABA uptake with nipecotic acid. *Abstr Soc Neurosci* 18:379, 1992
2. **Oyelese AA**, Richerson GB, Holloway SF, Eng DL and Kocsis JD. GABA_A induced conductance and cell size distribution of rat dorsal root ganglion neurons following nerve ligation. *Abstr Soc Neurosci* 19:680, 1993
3. Honmou O, **Oyelese AA** and Kocsis JD. The Novel Antiepileptic Gabapentin Enhances Promoted Release of GABA in Hippocampus. *Abstr Soc Neurosci* 20:1640, 1994
4. **Oyelese AA**, Rizzo MA, Waxman SG, and Kocsis JD. Differential effect of neurotrophins on injury-induced plasticity of GABA_A receptors and sodium

currents in cutaneous afferent DRG neurons. *Abstr Soc Neurosci* 21:1055, 1995

5. **Oyelese AA**, Rizzo MA, Waxman SG, and Kocsis JD. Ionic Components of Action Potentials in Identified Muscle Afferent DRG neurons. *Abstr Soc Neurosci* 22:780, 1996
6. **Oyelese AA**, Chang SD, Marks MP and Steinberg GK. Dural AV Fistulas: Relationship of Presenting Grade and Symptoms to Final Outcome. *AANS Annual Meeting*, 2000
7. **Oyelese AA** and Steinberg GK. Akinetic Mutism Following Rupture of Anterior Communicating Artery Aneurysms. *AANS Annual Meeting*, 2000
8. **Oyelese AA**, Chang SD, Martin DP and Adler JR. The Use of Frameless Image-Based Radiosurgery In the Treatment of Spinal Vascular Malformations: Preliminary Experience With the Cyberknife. *CNS Annual Meeting*, 2000
9. Ryu SI, **Oyelese AA**, Kuwada D, Chang SD, Martin DP, Adler JR, Heit G. LINAC stereotactic radiosurgical treatment of trigeminal neuralgia. *AANS Annual Meeting*, 2000
10. **Oyelese AA**, Chang SD, Martin DP, and Adler JR. Non-Isocentric Treatment Planning With Frameless Image-Guided Stereotactic Radiosurgery: Advantages Over Isocentric-Based Models. *AANS Annual Meeting*, 2001
11. **Oyelese AA**, Chang SD, Tate DJ, Le Q, Adler JR and Goffinet DR. Utility of Stereotactic Radiosurgery in Treatment of Nasopharyngeal Carcinoma. *AANS Annual Meeting*, 2002
12. **Oyelese AA**, Lee E, Chang SD, Golby AJ, Martin DP, M.D., Hancock SL, Adler JR. Tumor Control and Hearing Preservation Following Frame-Based Fractionated Stereotactic Radiosurgery in Patients with Vestibular Schwannomas: An Intermediate Follow-up. *CNS/AANS Tumor Joint Section Annual Meeting*, 2002
13. **Oyelese AA**, Jorden M, Kim DH and Shuer LM. Presentation, Management and Outcome of Extradural Spinal Meningiomas. *CNS Annual Meeting*, 2002
14. Brown University Department of Neurosurgery Grand Rounds Presentation: Fractionated Stereotactic Radiosurgery for Vestibular Schwannomas: A Comparison of Frameless and Frame-Based Systems. *March 2004*

15. **Oyelese AA**, Perri B, Bray RS, and Johnson JP. Strategies and Techniques For Correction of Degenerative and Post-Surgical Cervical Kyphotic Deformity. *CNS Annual Meeting*, 2005

BOOK CHAPTERS

1. **Oyelese AA**, Kim DH and Fessler RG. Posterior Approaches to the Thoracic Spine. In: *Textbook of Neurological Surgery*. Batjer HH and Loftus CM eds. 2028-37.
2. Kim DH, **Oyelese AA** and Fessler RG. Lateral Extracavitary Approach to the Thoraco-Lumbar spine. In: *Textbook of Neurological Surgery*. Batjer HH and Loftus CM eds. 2038-47.
3. **Oyelese AA**, Fleetwood IG and Steinberg GK. Cavernous Malformations and Venous Anomalies: Natural History and Surgical Management. In: *Stroke, Pathophysiology and Management*. Weir B ed. In press.