

## CURRICULUM VITAE

Name: Adetokunbo Adegboyega **OYELESE**

### **EDUCATION**

- 09/1989-05/1997 Yale University School of Medicine, New Haven, CT  
**Degrees: MD (*cum laude*)  
PhD, (Neuroscience)**
- 09/1986-05/1988 Purdue University, West Lafayette, IN  
**Degree: MS.** Biology (Animal Physiology and Neurobiology)
- 09/1981-05/1985 University of Ibadan, Nigeria  
**Degree: BSc.** Physiology, (Honors).

### **CURRENT POSITION**

01/2005 – PRESENT Assistant Professor Clinical Neurosciences (Neurosurgery)  
Director Neurosurgical Trauma and Spinal Disorders  
Director Spinal Radiosurgery  
Warren Alpert Medical School of Brown University and  
Rhode Island Hospital Providence, Rhode Island

### **ACADEMIC POSITIONS**

- 07/2004 - 01/2005 Clinical Fellow, Institute for Spinal Disorders, Cedars Sinai Hospital, Los Angeles, California
- 07/2003 – 06/2004 Chief Resident, Department of Neurosurgery, Stanford University, Palo Alto, California
- 07/2001 – 06/2003 Postdoctoral Fellow, Department of Neurosurgery, Stanford University, Palo Alto, California
- 07/1998 – 06/2003 Resident, Department of Neurosurgery, Stanford University, Palo Alto, California
- 07/1997 – 06/1998 Surgical Intern, Department of Surgery, Stanford University, Palo Alto, California
- 07/1992 – 06/1993 Teaching Assistant, Yoruba Language, Yale University, New Haven, Connecticut
- 07/1988 – 06/1989 Research Assistant, Dept. of Pharmacology, Univ. of Illinois, Chicago, Illinois
- 07/1986 – 06/1988 Teaching Assistant, Biology and Physiology, Purdue University, West Lafayette, Indiana
- 07/1985 – 06/1986 Research Assistant, Dept. of Medicine, University College Hospital, Ibadan, Nigeria

## **COMMITTEES**

07/2006-06/2007	Search Committee for Human Neurosciences Faculty, Brain Sciences Program at Brown University, Providence, RI
07/2007-06/2008	Search Committee for Chief of Trauma Surgery, Rhode Island Hospital, Providence RI
07/2009 - Present	Search Committee for Chairman Department of Neurosurgery, Brown University
07/2009 - Present	Admissions Committee Warren Alpert Medical School of Brown University

## **AWARDS AND HONOR SOCIETIES**

07/2001 – 06/2003	Recipient AANS NREF fellowship award
05/1997	MD ( <i>cum laude</i> )
01/1997	Alpha Omega Alpha (AOA) Medical Honor Society
05/1997	Outstanding MD/PhD student award
05/1997	Peter A.T. Grannum Award
09/1991 – 05/1997	MSTP Scholarship
05/1995	Yale Minority Medical Association (YMMA) Prize for Excellence in Biomedical Research
09/1989	National Medical Fellowship Scholarship

## **CLINICAL AND RESEARCH INTERESTS**

Spinal Disorders (spinal trauma, spinal oncology, spinal radiosurgery)  
Stem cell biology, trans-differentiation and neuro-transplantation paradigms  
CNS injury, plasticity, repair and regeneration

## **PH.D DISSERTATION**

Plasticity of electrophysiological properties of axotomized sensory neurons in the adult rat: Regulatory role of neurotrophins

## **RESEARCH FUNDING**

07/2001 – 06/2003	AANS Neurosurgery Research Education Foundation Fellowship
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## **PROFESSIONAL AFFILIATIONS**

01/2008 – Present	Vice-President Rhode Island Neurosurgical Society
07/2006 – Present	North American Spine Society – Member
07/2003 – Present	Hanbery Neurosurgical Society

06/1999 – Present  
07/1999 – Present

American Association of Neurological Surgeons – Member  
Congress of Neurological Surgeons – Member

## BIBLIOGRAPHY

### JOURNAL ARTICLES

1. **Oyelese AA**, Eng DL, Richerson GB, and Kocsis JD. Enhancement of GABA<sub>A</sub> 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<sub>A</sub> 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<sub>A</sub> 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.

### ABSTRACTS 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<sub>A</sub> 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<sub>A</sub> 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*
16. Grand Rounds Presentation: Brown University Department of Neurology “Cervical Spondylotic Myelopathy - From Ancient Times to the "Decade of the Spine": What Have We Learned?” *February 2006*
17. Grand Rounds Presentation: Yale University Department of Neurosurgery “Management of Acute Spinal Cord Injury - From Ancient Times to the ‘Decade of the Spine’: What Have We Learned?” *April 2006*
18. Complex Spine Neurosurgical Cases: Diagnosis and Management. Hanbery Neurosurgical Society Meeting, *August 2006*
19. Strategies and Techniques For Correction of Degenerative and Post-Surgical Cervical Kyphotic Deformity. Hanbery Neurosurgical Society Meeting, *August 2007*
20. Grand Rounds Presentation: Department of Neurology, The Warren Alpert Medical School of Brown University. “Lumbar Stenosis”. *February, 2008.*
21. Life-Changing Neurosurgical Trauma: Trauma Care Symposium, Rhode Island Hospital. *September 2009*

#### **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 Diagnosis and Management (Mohr JP et al. [eds]) 2004. 1369-1392.

4. Belknap TW, **Oyelese AA**. Neurological Presentation of Spinal Tumors. In: Tumors of the Spine (Kim DH, et al. [ed]) 2008 115-120. Saunders (an imprint of Elsevier), Philadelphia, PA.