

## Shearwood McClelland III, M.D.

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Department of Neurosurgery

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### CURRENT POSITION

Resident, Department of Neurosurgery, University of Minnesota

### EDUCATION AND TRAINING

1996 – 2000	<b>Harvard College</b> , Cambridge, MA Artium Baccalaureus, <i>cum laude</i> Biology
2000 – 2004	<b>Columbia University College of Physicians and Surgeons</b> , New York, NY Doctor of Medicine
2004 – 2005	<b>Postdoctoral Research Fellow, National Institute of Neurological Disorders and Stroke</b> Neurological Institute of New York, Columbia University, New York, NY
2005 – 2006	<b>Visiting Scientist, Department of Neurosciences</b> Cleveland Clinic Lerner Research Institute, Cleveland, OH
2006 – 2007	<b>Intern, Department of Surgery</b> University of Minnesota Medical School, Minneapolis, MN

### SELECTED HONORS AND AWARDS

2008 Cone Pevehouse Award, American Association of Neurological Surgeons  
2007 Program in Health Disparities Research Travel Award, University of Minnesota  
2007 William T. Peyton Award for Outstanding Presentation of Scientific Investigation, University of Minnesota  
2007 Featured May Medical News Article, Reuters Health Information  
2007 Resident Award for Excellence in Geriatric Scholarship, Minnesota Medical Foundation  
2007 Featured Scientific Press Release, American Association of Neurological Surgeons (AANS) Annual Meeting  
2006 Young Investigator Award, American Epilepsy Society  
2005 White Ribbon Award for Poster Presentation, AANS Section on Stereotactic and Functional Neurosurgery  
2004 National Institute of Neurological Disorders and Stroke Minority Research Supplement  
2004 Wilbert C. Jordan Clinical Science Research Award, Student National Medical Association  
2001 National Institutes of Health Short-Term Training Grant  
2000 Edward H. Potter Prize, Harvard College  
2000 Finalist, Harvard College Joseph Garrison Parker Award  
1999 Harvard College Summer Fellowship for Molecular and Cellular Biology Research  
1998 New Jersey State Chess Champion  
1997 New Jersey State Chess Champion  
1997 United States Junior Open Chess Champion

1996 Who's Who Among American High School Students  
 1996 National Scholar-Chessplayer Award, United States Chess Federation  
 1996 Life Chess Master, United States Chess Federation  
 1995 National Twelfth Grade Chess Champion  
 1995 Member, Pressman Scholastic All-America Chess Team  
 1994 National Eleventh Grade Chess Champion  
 1993 National Junior High School Chess Co-Champion

### **PEER-REVIEWED JOURNAL ARTICLES**

1. **McClelland S III**, Long DM. Genesis of the Use of Corticosteroids in the Treatment and Prevention of Brain Edema. *Neurosurgery*, 62(2), in press.
2. **McClelland S III**. Postoperative Intracranial Neurosurgery Infection Rates in North America versus Europe: A Systematic Analysis. *American Journal of Infection Control*, 36, in press.
3. **McClelland S III**, Bethoux FA, Boulis NM, Sutliff MH, Stough DK, Schwetz KM, Gogol DM, Harrison M, Pioro EP. Intrathecal Baclofen For Spasticity-Related Pain in Amyotrophic Lateral Sclerosis: Efficacy and Factors Associated With Pain Relief. *Muscle and Nerve*, 37, in press. (Electronic Publication Date: September 25, 2007)
4. Riley J, Butler J, Baker KB, **McClelland S III**, Teng Q, Yang J, Garrity-Moses M, Federici T, Boulis NM. Targeted Spinal Cord Therapeutics Delivery: Stabilized Platform and Microelectrode Recording Guidance Validation. *Stereotactic and Functional Neurosurgery*, 86(2): 67-74, 2008.
5. **McClelland S III**, Gerbi BJ, Higgins PD, Orner JB, Hall WA. Safety and Efficacy of Fractionated Stereotactic Radiotherapy For Acoustic Neuromas. *Journal of Neuro-Oncology*, 86(2): 191-194, 2008. (Electronic Publication Date: July 11, 2007)
6. **McClelland S III**, Charnas LR, SantaCruz KS, Garner HP, Lam CH. Progressive Brainstem Compression in an Infant with Neurocutaneous Melanosis and Dandy-Walker Complex Following Ventriculoperitoneal Shunt Placement for Hydrocephalus. Case Report. *Journal of Neurosurgery: Pediatrics*, 107(6): 500-503, 2007.
7. **McClelland S III**, Curran CC, Davey CS, Okuyemi KS. Intractable Pediatric Temporal Lobe Epilepsy In The United States: Examination of Race, Age, Sex and Insurance Status as Factors Predicting Receipt of Resective Treatment. *Journal of Neurosurgery: Pediatrics*, 107(6): 469-473, 2007.
8. **McClelland S III**, Gerbi BJ, Cho KH, Hall WA. The Treatment of a Large Acoustic Tumor With Fractionated Stereotactic Radiotherapy. *Journal of Robotic Surgery*, 1(3): 227-230, 2007. (Electronic Publication Date: August 28, 2007)
9. **McClelland S III**, Vonsattel JP, Garcia RE, Amaya MD, Winfield LM, Pullman SL, Yu Q, Fahn S, Ford B, Goodman RR. Relationship of Clinical Efficacy To Postmortem-Determined Anatomic Subthalamic Stimulation in Parkinson Syndrome. *Clinical Neuropathology*, 26(6): 267-275, 2007.
10. **McClelland S III**. Multimodality Management of Carotid Artery Stenosis: Reviewing the Class-I Evidence. *Journal of the National Medical Association*, 99(11): 1235-1242, 2007.
11. **McClelland S III**. M. Deborrah Hyde, MD, MS: The Second African-American Female Neurosurgeon. *Journal of the National Medical Association*, 99(10): 1193-1195, 2007.
12. **McClelland S III**, Won EK, Lam CH. Utilization of Recombinant Activated Factor VII for Intracranial Hematoma Evacuation in Coagulopathic Nonhemophilic Neurosurgical Patients with Normal International Normalized Ratios. *Neurocritical Care*, 7(2): 136-139, 2007. (Electronic Publication Date: April 11, 2007)
13. **McClelland S III**. The Montreal Neurological Institute: Training of the First African-American Neurosurgeons. *Journal of the National Medical Association*, 99(9): 1071-1073, 2007.
14. Yang J, Teng Q, Garrity-Moses ME, **McClelland S III**, Federici T, Carlton E, Riley J, Boulis NM. Reversible Unilateral Nigrostriatal Pathway Inhibition Induced Through Expression of Adenovirus-Mediated Clostridial Light Chain Gene. *Neuromolecular Medicine*, 9(3): 276-284, 2007. (Electronic Publication Date: July 26, 2007)
15. **McClelland S III**, Dusenbery KE, Higgins PD, Hall WA. Treatment of a Facial Nerve Neuroma With Fractionated Stereotactic Radiotherapy. *Stereotactic and Functional Neurosurgery*, 85(6): 299-302, 2007. (Electronic Publication Date: August 17, 2007)
16. **McClelland S III**, Senatus PB, Ford B, McKhann GM II, Goodman RR. Staged Bilateral Thalamic Electrode Implantation Utilizing Frameless Stereotactic Guidance. *Journal of Clinical Neuroscience*, 14(8): 791-793, 2007. (Electronic Publication Date: May 9, 2007)

17. **McClelland S III**, Hall WA. Postoperative Central Nervous System Infection: Incidence and Associated Factors In 2111 Neurosurgery Procedures. *Clinical Infectious Diseases*, 45(1): 55-59, 2007. (Electronic Publication Date: May 21, 2007)
18. **McClelland S III**, Higgins PD, Gerbi BJ, Orner JB, Hall WA. Fractionated Stereotactic Radiotherapy For Pituitary Adenomas Following Microsurgical Resection: Safety and Efficacy. *Technology in Cancer Research and Treatment*, 6(3): 177-180, 2007.
19. **McClelland S III**, Teng Q, Benson LS, Boulis NM. Motor Neuron Inhibition-Based Gene Therapy For Spasticity. *American Journal of Physical Medicine and Rehabilitation*, 86(5): 412-421, 2007.
20. **McClelland S III**, Maxwell RE. Hemispherectomy for Intractable Epilepsy in Adults: The First Reported Series. *Annals of Neurology*, 61(4): 372-376, 2007. (Electronic Publication Date: February 23, 2007)
21. **McClelland S III**, Harris KS. E. Latunde Odeku: The First African-American Neurosurgeon Trained in the United States. *Neurosurgery*, 60(4): 769-772, 2007.
22. Hamberger MJ, **McClelland S III**, McKhann GM II, Williams AC, Goodman RR. Distribution of Auditory and Visual Naming Sites In Nonlesional Temporal Lobe Epilepsy Patients and Patients With Space-Occupying Temporal Lobe Lesions. *Epilepsia*, 48(3): 531-538, 2007. (Electronic Publication Date: February 27, 2007)
23. **McClelland S III**, Barnett GH, Neyman G, Suh JH. Repeat Trigeminal Nerve Radiosurgery for Refractory Cluster Headache Fails To Provide Long-Term Pain Relief. *Headache*, 47(2): 298-300, 2007. (Electronic Publication Date: November 17, 2006)
24. **McClelland S III**, Harris KS. Clarence Sumner Greene, Sr.: The First African-American Neurosurgeon. *Neurosurgery*, 59(6): 1325-1327, 2006.
25. **McClelland S III**, Tendulkar RD, Barnett GH, Neyman G, Suh JH. Long-Term Results of Radiosurgery for Refractory Cluster Headache. *Neurosurgery*, 59(6): 1258-1263, 2006.
26. **McClelland S III**, Garcia RE, Peraza DM, Shih TT, Hirsch LJ, Hirsch J, Goodman RR. Facial Emotion Recognition Following Curative Nondominant Temporal Lobectomy in Patients With Mesial Temporal Sclerosis. *Epilepsia*, 47(8): 1337-1342, 2006. (Electronic Publication Date: July 6, 2006)
27. Senatus PB, Teeple D, **McClelland S III**, Pullman SL, Yu Q, Ford B, McKhann GM II, Goodman RR. A Technique for Minimally Altering Anatomically Based Subthalamic Electrode Targeting By Microelectrode Recording. *Neurosurgical Focus*, 20(5): E8, 2006.
28. **McClelland S III**, Garcia RE, Monaco SE, Goldman JE, Olson TJ, Kim GH, Petrylak DP, Goodman RR. Carcinomatous Meningitis from Urachal Carcinoma: The First Reported Case. *Journal of Neuro-Oncology*, 76(2): 171-174, 2006. (Electronic Publication Date: November 19, 2005)
29. Goodman RR, Kim B, **McClelland S III**, Senatus PB, Winfield LM, Pullman SL, Yu Q, Ford B, McKhann GM II. Operative Techniques and Morbidity with Subthalamic Nucleus Deep Brain Stimulation in 100 Consecutive Patients with Advanced Parkinson's Disease. *Journal of Neurology, Neurosurgery and Psychiatry*, 77(1): 12-17, 2006. (*Editor's Choice*)
30. **McClelland S III**, Kim B, Winfield LM, Ford B, Edwards TA, Pullman SL, Yu Q, McKhann GM II, Goodman RR. Microelectrode Recording-Determined Subthalamic Nucleus Length Not Predictive of Stimulation-Induced Side Effects. *Neurosurgical Focus*, 19(5): E13, 2005.
31. **McClelland S III**, Ford B, Senatus PB, Winfield LM, Du YE, Pullman SL, Yu Q, Frucht SJ, McKhann GM II, Goodman RR. Subthalamic Stimulation for Parkinson Disease: Determination of Electrode Location Necessary For Clinical Efficacy. *Neurosurgical Focus*, 19(5): E12, 2005.
32. **McClelland S III**, Libien JM, Chin SS, Adams DJ, Resor SR Jr., Chan S, Goodman RR. Unusual Findings In Brain Biopsies Of Two Patients With Acute Magnetic Resonance Imaging Lesions Associated with Focal Seizures. *Epilepsia*, 46(9): 1495-1501, 2005.
33. Senatus PB, **McClelland S III**, Tanji K, Khandji A, Huang J, Feldstein N. The Transformation of Pediatric Gliomatosis Cerebri to Cerebellar Glioblastoma Multiforme Presenting as Supra- and Infratentorial Acute Disseminated Encephalomyelitis. Case Report. *Journal of Neurosurgery: Pediatrics*, 102(1): 72-77, 2005.
34. Senatus PB, **McClelland S III**, Ferris AD, Ford B, Winfield LM, Pullman SL, Yu Q, McKhann GM II, Schneller SJ, Goodman RR. Implantation of Bilateral Deep Brain Stimulators In Patients With Parkinson Disease and Preexisting Cardiac Pacemakers. Report of Two Cases. *Journal of Neurosurgery*, 101(6): 1073-1077, 2004.

## **BOOK CHAPTERS**

1. Daramola OO, **McClelland S III**, Haines SJ. Atypical Bacterial Infections. In: Handbook of Neurosurgery. (Samandouras G, ed.) Oxford University Press, United Kingdom (in press).
2. **McClelland S III**, Samandouras G, Haines SJ. Abscess and Empyema. In: Handbook of Neurosurgery. (Samandouras G, ed.) Oxford University Press, United Kingdom (in press).

### **LETTERS**

1. Hall WA, **McClelland S III**. Reply to Tattevin et al. *Clinical Infectious Diseases*, 45(9): 1248-1249, 2007.

### **INVITED ORAL PRESENTATIONS**

1. **American Association of Neurological Surgeons, 76<sup>th</sup> Annual Meeting, Chicago, IL, May 1, 2008**  
"Postoperative Intracranial Neurosurgery Infection Rates in North America Versus Europe: A Systematic Analysis"
2. **American Association of Neurological Surgeons, 76<sup>th</sup> Annual Meeting, Chicago, IL, April 30, 2008**  
"The Genesis of the Use of Corticosteroids in the Treatment and Prevention of Brain Edema"
3. **Congress of Neurological Surgeons, 57<sup>th</sup> Annual Meeting, San Diego, CA, September 17, 2007**  
"Postoperative Central Nervous System Infection: Incidence and Associated Factors In 2,111 Neurosurgery Cases"
4. **Congress of Neurological Surgeons, 57<sup>th</sup> Annual Meeting, San Diego, CA, September 17, 2007**  
"Receipt of Resective Surgery for Intractable Pediatric Temporal Lobe Epilepsy In The United States: Examination of Race, Age, Gender and Insurance Status as Predictive Factors"
5. **International Brain Mapping and Intraoperative Surgical Planning Society, 4<sup>th</sup> Annual Meeting, Washington, DC, September 7, 2007**  
"Typical Variations of Subthalamic Electrode Location Do Not Predict Limb Motor Function Improvement In Parkinson's Disease"
6. **University of Minnesota/University of Iowa Neurosurgery Resident Research Conference, 30<sup>th</sup> Annual Meeting, Iowa City, IA, July 28, 2007**  
"Hemispherectomy for Intractable Epilepsy in Adults: The First Reported Series"
7. **International Stereotactic Radiosurgery Society, 8<sup>th</sup> Bi-annual Congress, San Francisco, CA, June 27, 2007**  
"The Treatment of a Large Acoustic Tumor With Fractionated Stereotactic Radiotherapy"
8. **Residents Research Day, University of Minnesota Department of Surgery, Minneapolis, MN, June 12, 2007**  
"Receipt of Resective Surgery for Intractable Pediatric Temporal Lobe Epilepsy In The United States: Examination of Race, Age, Gender and Insurance Status as Predictive Factors"
9. **American Association of Neurological Surgeons, 75<sup>th</sup> Annual Meeting, Washington, DC, April 18, 2007**  
"Hemispherectomy for Intractable Epilepsy in Adults: The First Reported Series"
10. **American Association of Neurological Surgeons, 75<sup>th</sup> Annual Meeting, Washington, DC, April 17, 2007**  
"Intrathecal Baclofen For Spasticity-Related Pain in Amyotrophic Lateral Sclerosis: Efficacy and Factors Associated With Pain Relief"
11. **Southern Neurosurgical Society, 59<sup>th</sup> Annual Meeting, Sea Island, GA, March 17, 2007**  
"Intrathecal Baclofen for Amyotrophic Lateral Sclerosis-Associated Spasticity: Analysis of Long-Term Outcomes and Predictors of Treatment Response"
12. **Congress of Neurological Surgeons, 56<sup>th</sup> Annual Meeting, Chicago, IL, October 9, 2006**  
"Long-Term Results of Radiosurgery for Refractory Cluster Headache"
13. **University of Minnesota/University of Iowa Neurosurgery Resident Research Conference, 29<sup>th</sup> Annual Meeting, Minneapolis, MN, June 10, 2006**  
"Facial Emotion Recognition Following Curative Nondominant Temporal Lobectomy in Patients With Mesial Temporal Sclerosis"
14. **American Association of Neurological Surgeons, 74<sup>th</sup> Annual Meeting, San Francisco, CA, April 25, 2006**  
"Temporal Lobe Epilepsy Onset Before Age Six Continues To Impair Facial Fear Recognition Following Curative Nondominant Temporal Lobectomy"

15. **Congress of Neurological Surgeons, 54<sup>th</sup> Annual Meeting, San Francisco, CA, October 20, 2004**  
"Electrode Location Does Not Predict Contralateral Limb Motor Function Improvement in Subthalamic Stimulation for Parkinson's Disease"
16. **Center for Neurological Restoration Journal Club, The Cleveland Clinic Foundation, Cleveland, OH, June 10, 2004**  
"Subthalamic Stimulation for Parkinson's Disease: Electrode Location Necessary For Clinical Efficacy"
17. **Dean's Day for Research, Columbia College of Physicians and Surgeons, New York, NY, May 12, 2004**  
"Electrode Location Does Not Predict Contralateral Limb Motor Function Improvement in Subthalamic Stimulation for Parkinson's Disease"
18. **20<sup>th</sup> Annual Wilbert C. Jordan Research Forum, Student National Medical Association, New Orleans, LA, April 9, 2004**  
"Experience With Subthalamic Nucleus Deep Brain Stimulation in Advanced Parkinson's Disease: Patient Selection, Operative Techniques, Results and Complications"
19. **20<sup>th</sup> Annual Wilbert C. Jordan Research Forum, Student National Medical Association, New Orleans, LA, April 9, 2004**  
"Subthalamic Nucleus Deep Brain Stimulation Electrodes for Parkinson's Disease: Analysis of Anatomical Location versus Intended Target and Clinical Outcome"
20. **20<sup>th</sup> Annual Wilbert C. Jordan Research Forum, Student National Medical Association, New Orleans, LA, April 9, 2004**  
"Pediatric Gliomatosis Cerebri Transformation to Cerebellar Glioblastoma Multiforme Presenting as Supra and Infratentorial Acute Disseminated Encephalomyelitis: A Case Report"
21. **Dean's Day for Research, Columbia College of Physicians and Surgeons, New York, NY, May 15, 2002**  
"Subthalamic Nucleus Deep Brain Stimulation (DBS) Electrodes Implanted in Advanced Parkinson's Disease Patients: Analysis of Anatomical Location versus Intended Target and Clinical Outcome"

#### **INVITED INTRAMURAL LECTURES**

1. **Neurosurgery Journal Club, University of Minnesota, Minneapolis, MN, October 5, 2007**  
"Evidence-Based Management of Acoustic Neuromas Smaller Than Three Centimeters"
2. **Neurosurgery Journal Club, University of Minnesota, Minneapolis, MN, October 5, 2007**  
"Evidence-Based Management of Intractable Temporal Lobe Epilepsy"
3. **Neurosurgery Journal Club, University of Minnesota, Minneapolis, MN, October 5, 2007**  
"Obstacles in Translating Successful Research Therapies From Rodents to Humans"
4. **Neurosurgery Grand Rounds, University of Minnesota, Minneapolis, MN, September 21, 2007**  
"Postoperative Neurosurgical Infections"
5. **Neurosurgery Research Forum, University of Minnesota, Minneapolis, MN, May 11, 2007**  
"The Treatment of a Large Acoustic Tumor With Fractionated Stereotactic Radiotherapy"
6. **Neurosurgery Research Forum, University of Minnesota, Minneapolis, MN, April 6, 2007**  
"Intrathecal Baclofen For Spasticity-Related Pain in Amyotrophic Lateral Sclerosis: Efficacy and Factors Associated With Pain Relief"
7. **Neurosurgery Research Forum, University of Minnesota, Minneapolis, MN, April 6, 2007**  
"Hemispherectomy for Intractable Epilepsy in Adults: The First Reported Series"
8. **General Surgery Grand Rounds, Minneapolis Veterans Affairs Medical Center, Minneapolis, MN, April 5, 2007**  
"Multimodality Management of Carotid Artery Stenosis"
9. **Trauma and Acute Care Surgery Conference, Regions Hospital, Saint Paul, MN, November 16, 2006**  
"Management of Blunt Cardiac Trauma"
10. **Neurosurgery Conference, The Cleveland Clinic Foundation, Cleveland, OH, June 23, 2004**  
"Electrode Location Does Not Predict Contralateral Limb Motor Function Improvement in Subthalamic Stimulation for Parkinson's Disease"
11. **Diagnostic Radiology Preceptorship, Columbia College of Physicians and Surgeons, New York, NY, March 24, 2004**  
"Subarachnoid Hemorrhage: Presentation, Etiology, Diagnosis, and Treatment"
12. **Neurological Surgery Grand Rounds, Columbia University, New York, NY, September 11, 2003**

- "Subthalamic Nucleus Deep Brain Stimulation Electrode Implantation in Advanced Parkinson's Disease Patients: Analysis of Anatomical Location versus Intended Target and Clinical Outcome"
13. **Neurosurgery Grand Rounds, Johns Hopkins University, Baltimore, MD, August 14, 2003**  
"Subthalamic Nucleus Deep Brain Stimulation Electrode Implantation in Advanced Parkinson's Disease Patients: Analysis of Anatomical Location versus Intended Target and Clinical Outcome"
14. **National Institutes of Health Short-Term Training Grant Project Presentation, Columbia College of Physicians and Surgeons, New York, NY, July 19, 2001**  
"Evaluation of Anatomical Location of Deep Brain Stimulation Electrodes Implanted in the Subthalamic Nucleus in Patients with Advanced Parkinson's Disease: Correlation with Intended Target and Clinical Outcome"

### **PUBLISHED ABSTRACTS**

1. **McClelland S III**, Roark CD, Haines SJ: Transient Abducens Nerve Palsy Following Radiofrequency Rhizotomy for Multiple Sclerosis-Associated Trigeminal Neuralgia.  
Abstract 1001, American Association of Neurological Surgeons, 76<sup>th</sup> Annual Meeting, 2008.
2. **McClelland S III**: Alexa Irene Canady: The First African-American Woman Neurosurgeon.  
Abstract 1000, American Association of Neurological Surgeons, 76<sup>th</sup> Annual Meeting, 2008.
3. **McClelland S III**: Postoperative Intracranial Neurosurgery Infection Rates in North America Versus Europe: A Systematic Analysis.  
Abstract 900, American Association of Neurological Surgeons, 76<sup>th</sup> Annual Meeting, 2008.
4. **McClelland S III**, Long DM: The Genesis of the Use of Corticosteroids in the Treatment and Prevention of Brain Edema.  
Abstract 818, American Association of Neurological Surgeons, 76<sup>th</sup> Annual Meeting, 2008.
5. **McClelland S III**, Curran CC, Davey CS, Okuyemi KS: Receipt of Resective Surgery for Intractable Pediatric Temporal Lobe Epilepsy In The United States: Examination of Race, Age, Gender and Insurance Status as Predictive Factors.  
Abstract 2.037, American Epilepsy Society, 61<sup>st</sup> Annual Meeting; Abstract 6, Congress of Neurological Surgeons, 57<sup>th</sup> Annual Meeting, Epilepsia 48(Suppl 6):139, 2007.
6. **McClelland S III**, Gerbi BJ, Higgins PD, Orner JB, Hall WA: Safety and Efficacy of Fractionated Stereotactic Radiotherapy For Acoustic Neuromas.  
Abstract 706, Congress of Neurological Surgeons, 57<sup>th</sup> Annual Meeting, 2007.
7. **McClelland S III**, Higgins PD, Gerbi BJ, Orner JB, Hall WA: Fractionated Stereotactic Radiotherapy For Pituitary Adenomas Following Microsurgical Resection: Safety and Efficacy.  
Abstract 678, Congress of Neurological Surgeons, 57<sup>th</sup> Annual Meeting, 2007.
8. **McClelland S III**, Bethoux FA, Sutliff MH, Stough DK, Schwetz KM, Gogol DM, Harrison M, Pioro EP, Boulis NM: Tolerance to Intrathecal Baclofen For Amyotrophic Lateral Sclerosis-Associated Spasticity: Analysis of Outcomes and Predictors of Onset.  
Abstract 590, Congress of Neurological Surgeons, 57<sup>th</sup> Annual Meeting, 2007.
9. **McClelland S III**, Hall WA: Postoperative Central Nervous System Infection: Incidence and Associated Factors In 2,111 Neurosurgery Cases.  
Abstract 211, Congress of Neurological Surgeons, 57<sup>th</sup> Annual Meeting, 2007.
10. **McClelland S III**, Gerbi BJ, Cho KH, Hall WA: The Treatment of a Large Acoustic Tumor With Fractionated Stereotactic Radiotherapy.  
Abstract 6, International Stereotactic Radiosurgery Society, 8<sup>th</sup> Bi-annual Congress, 2007.
11. **McClelland S III**, Barnett GH, Neyman G, Suh JH: Repeat Trigeminal Nerve Radiosurgery for Refractory Cluster Headache Fails To Provide Long-Term Pain Relief.  
Abstract 1603, American Association of Neurological Surgeons, 75<sup>th</sup> Annual Meeting, 2007. (AANS Article ID Number: 41965).
12. **McClelland S III**, Harris KS: Clarence Sumner Greene, Sr.: The First African-American Neurosurgeon.  
Abstract 1307, American Association of Neurological Surgeons, 75<sup>th</sup> Annual Meeting, 2007. (AANS Article ID Number: 41966).
13. **McClelland S III**, Maxwell RE: Hemispherectomy for Intractable Epilepsy in Adults: The First Reported Series.  
Abstract 826, American Association of Neurological Surgeons, 75<sup>th</sup> Annual Meeting, **Journal of Neurosurgery** 106(4):A775, 2007 (AANS Article ID Number: 40832).

14. **McClelland S III**, Bethoux FA, Sutliff MH, Stough DK, Schwetz KM, Gogol DM, Harrison M, Pioro EP, Boulis NM: Intrathecal Baclofen For Spasticity-Related Pain in Amyotrophic Lateral Sclerosis: Efficacy and Factors Associated With Pain Relief.  
Abstract 741, American Association of Neurological Surgeons, 75<sup>th</sup> Annual Meeting, **Journal of Neurosurgery** 106(4):A767, 2007 (AANS Article ID Number: 40863).
15. **McClelland S III**, Dusenbery KE, Higgins PD, Hall WA: Fractionated Stereotactic Radiotherapy for Facial Nerve Neuroma: The First Reported Case.  
Abstract 176, AANS/CNS Section on Tumors, 7<sup>th</sup> Biennial Symposium, 2007 (AANS Article ID Number: 42974).
16. **McClelland S III**, Bethoux FA, Sutliff MH, Stough DK, Schwetz KM, Gogol DM, Harrison M, Pioro EP, Boulis NM: Intrathecal Baclofen for Amyotrophic Lateral Sclerosis-Associated Spasticity: Analysis of Long-Term Outcomes and Predictors of Treatment Response.  
Abstract 220, Southern Neurosurgical Society, 59<sup>th</sup> Annual Meeting, 2007 (AANS Article ID Number: 43277).
17. **McClelland S III**, Garcia RE, Peraza DM, Shih TT, Hirsch LJ, Hirsch J, Goodman RR: Temporal Lobe Epilepsy Onset After Age Five Does Not Alter Facial Emotion Recognition Following Curative Nondominant Temporal Lobectomy.  
Abstract 4.157, American Epilepsy Society, 60<sup>th</sup> Annual Meeting, **Epilepsia** 47(Suppl. 4):344, 2006.
18. **McClelland S III**: The Montreal Neurological Institute: Training of the First African-American Neurosurgeons.  
Abstract 494, Congress of Neurological Surgeons, 56<sup>th</sup> Annual Meeting, 2006 (CNS Online ID Number: 20914).
19. **McClelland S III**, Barnett GH, Neyman G, Suh JH: Long-Term Results of Radiosurgery for Refractory Cluster Headache.  
Abstract 69, Congress of Neurological Surgeons, 56<sup>th</sup> Annual Meeting, 2006 (CNS Online ID Number: 20831).
20. **McClelland S III**, Garcia RE, Monaco SE, Goldman JE, Olson TJ, Kim GH, Petrylak DP, Goodman RR: Carcinomatous Meningitis from Urachal Carcinoma: The First Reported Case.  
Abstract 1124, International Union Against Cancer (UICC) World Cancer Congress, 25<sup>th</sup> Annual Meeting, 2006.
21. Yang J, Teng Q, Garrity-Moses ME, Federici T, Butler J, **McClelland S III**, Boulis NM: Hemiparkinsonism Induced Through Unilateral Expression of Adenovirus-Mediated Clostridial Light Chain Gene in the Substantia Nigra.  
Abstract 442, American Society of Gene Therapy, 9<sup>th</sup> Annual Meeting, **Molecular Therapy** 13(Suppl. 1):S92, 2006.
22. **McClelland S III**, Vonsattel JP, Garcia RE, Amaya MD, Winfield LM, Pullman SL, Yu Q, Ford B, Goodman RR: Long-Term Bilateral Deep Brain Stimulation In Transitional Type Diffuse Lewy Body Disease: Clinical Response and Postmortem Correlation With Operative Targeting.  
Abstract 1014, American Association of Neurological Surgeons, 74<sup>th</sup> Annual Meeting, 2006 (AANS Article ID Number: 36413).
23. **McClelland S III**, Garcia RE, Peraza DM, Shih TT, Hirsch LJ, Hirsch J, Goodman RR: Temporal Lobe Epilepsy Onset Before Age Six Continues To Impair Facial Fear Recognition Following Curative Nondominant Temporal Lobectomy.  
Abstract 735, American Association of Neurological Surgeons, 74<sup>th</sup> Annual Meeting, **Journal of Neurosurgery** 104(4):A658-A659, 2006 (AANS Article ID Number: 36856).
24. Butler JB, Boulis N, Nair D, Baker K, Svendsen C, **McClelland S III**: Targeted Microinjection of Cells Into the Ventral Horn Utilizing a Novel Delivery System in Pigs. Abstract 301, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, 22<sup>nd</sup> Annual Meeting, 2006 (AANS Article ID Number: 34612).
25. **McClelland S III**, Hamberger MJ, McKhann GM II, Goodman RR: Distribution of Auditory and Visual Naming Sites In Patients With and Without Temporal Lobe Lesions.  
Abstract 3.161, American Epilepsy Society, 59<sup>th</sup> Annual Meeting, **Epilepsia** 46(Suppl. 8):331, 2005.
26. **McClelland S III**, Kim B, Winfield LM, Ford B, Du YE, Pullman SL, Yu Q, McKhann GM II, Goodman RR: Microelectrode Recording Determined Subthalamic Nucleus Dimensions Do Not Predict Clinical Outcome in Deep Brain Stimulation for Parkinson's Disease.

- Abstract 1347, American Association of Neurological Surgeons, 73<sup>rd</sup> Annual Meeting, 2005 (AANS Article ID Number: 24893).
27. **McClelland S III**, Shih TT, Hirsch LJ, Bazil CW, Hamberger MJ, McKhann GM II, Goodman RR: Experience with a Noninvasive Protocol for Anteromedial Temporal Lobectomy: 138 Consecutive Patients with Nonlesional Temporal Lobe Epilepsy.  
Abstract 1336, American Association of Neurological Surgeons, 73<sup>rd</sup> Annual Meeting, **Journal of Neurosurgery** 103(5):A945, 2005 (AANS Article ID Number: 24857).
28. **McClelland S III**, Chin SS, Adams DJ, Resor SR Jr., Bruce JN, McKhann GM II, Goodman RR: Unusual Findings In Brain Biopsies Of Three Patients With Acute MRI Lesions Associated with Focal Seizures.  
Abstract 1.434, American Epilepsy Society, 58<sup>th</sup> Annual Meeting, **Epilepsia** 45(Suppl. 7):161-162, 2004 (AES Online ID Number: 7498).
29. **McClelland S III**, Ford B, Senatus PB, Frucht SJ, Winfield LM, Du YE, Pullman SL, Yu Q, McKhann GM II, Goodman RR: Electrode Location Does Not Predict Contralateral Limb Motor Function Improvement in Subthalamic Stimulation for Parkinson's Disease.  
Abstract 787, Congress of Neurological Surgeons, 54<sup>th</sup> Annual Meeting, **Neurosurgery** 55(2):482, 2004 (CNS Online ID Number: 12132).
30. Senatus PB, **McClelland S III**, Ferris AD, Ford B, Winfield LM, Pullman SL, Yu Q, McKhann GM II, Schneller SJ, Goodman RR: Bilateral Deep Brain Stimulator Implantation in Two Parkinson's Disease Patients with Preexisting Cardiac Pacemakers.  
American Society for Stereotactic and Functional Neurosurgery, Biannual meeting, 2004.
31. Goodman RR, Kim B, **McClelland S III**, Senatus PB, Ford B, Winfield LM, Pullman SL, Yu Q, McKhann GM II: The Columbia University Experience with 169 Consecutive Subthalamic Stimulator Implantations in Patients with Medically Refractory Parkinson's Disease.  
Abstract 1282, American Association of Neurological Surgeons, 72<sup>nd</sup> Annual Meeting, **Journal of the Student National Medical Association** 10(1):39, 2004 (AANS Article ID Number: 19382).
32. Senatus P, **McClelland S III**, Tanji K, Huang J, Feldstein N: Pediatric Cerebellar Glioblastoma Multiforme presenting as Supra and Infratentorial Acute Disseminated Encephalomyelitis/Gliomatosis Cerebri: A Case Report.  
Abstract 48, Congress of Neurological Surgeons, 53<sup>rd</sup> Annual Meeting, 2003 (CNS Online ID Number: 10465).
33. **McClelland S III**, Ford B, Senatus PB, Winfield LM, Pullman SL, Yu Q, McKhann GM II, Goodman RR: Subthalamic Nucleus Deep Brain Stimulation in Advanced Parkinson's Disease: Analysis of Anatomical Location versus Intended Target and Clinical Outcome.  
American Association of Neurological Surgeons, 71<sup>st</sup> Annual Meeting, 2003 (AANS Article ID Number: 17892).

#### **SELECTED NEWSLETTERS / NEWSPAPERS / MAGAZINES / ARTICLES**

1. "Residents Front and Center in 2007 AANS Annual Meeting Media Coverage", American Association of Neurological Surgeons Academic Services Digest, pages 4-5, Volume 5, Number 1, Summer 2007.
2. "Hemispherectomy Can Improve Quality of Life in Adults with Intractable Seizures", Reuters Health, May 18, 2007.
3. "Intrathecal Baclofen Therapy Can Provide Improved Quality of Life for Amyotrophic Lateral Sclerosis Patients with Spasticity-Related Pain", American Association of Neurological Surgeons 75<sup>th</sup> Annual Meeting Press Kit, April 16, 2007.
4. "Top High School Seniors – National Chess Champ", Ebony Magazine, page 54, July 1996.
5. "New Jersey High School Senior Is National Chess Champion", Jet Magazine, page 52, January 22, 1996.

#### **TELEVISION/RADIO APPEARANCES**

1. IBM's Deep Blue defeats World Champion Garry Kasparov in chess match, WFTX FOX Ch. 25, Boston, MA, May 12, 1997.

#### **LICENSURE/CERTIFICATION**

2007 Diplomat, National Board of Medical Examiners



- 2006 Advanced Trauma Life Support Certification, American College of Surgeons  
 2006 Gamma Knife Radiosurgery Training Certification, Cleveland Clinic Health System

### **EDITORIAL ACTIVITY**

- Ad hoc* reviewer, Expert Review of Anti-Infective Therapy  
*Ad hoc* reviewer, Journal of the National Medical Association

### **PROFESSIONAL SOCIETIES**

- Christian Medical and Dental Association. 2007-present, Member  
 American Association of Neurological Surgeons (AANS). 2007-present, Member  
 International Brain Mapping and Intraoperative Surgical Planning Society. 2007-present, Member  
 World Society of Stereotactic and Functional Neurosurgery. 2006-present, Member  
 Congress of Neurological Surgeons (CNS). 2006-present, Member  
 AANS/CNS Section on Tumors. 2006-present, Member  
 American Society for Stereotactic and Functional Neurosurgery. 2006-present, Member  
 AANS/CNS Section on Stereotactic and Functional Neurosurgery. 2006-present, Member  
 Minnesota Medical Association. 2006-present, Member  
 National Medical Association. 2004-2005, Member  
 Student National Medical Association. 2000-2004, Member  
 Medical Society of the State of New York. 2000-2004, Member  
 American Medical Student Association. 2000-2004, Member

### **PROFESSIONAL COMMITTEE APPOINTMENTS**

- 2007-2008 Resident Representative Committee, University of Minnesota Graduate Medical Education

### **RESEARCH EXPERIENCE**

1. 2005-2006 Visiting Scientist, Cleveland, OH, Cleveland Clinic Lerner Research Institute, Department of Neurosciences – Nicholas M. Boulis M.D.
  - Creation of a rat model of spasticity via spinal cord viral vector introduction
  - Impact of spinal cord gene delivery introduction on rat hindlimb motor function
  - Accurate spinal targeting of biological therapeutics in vertebrate animals (farm pigs)
  - Preclinical data for gene delivery to treat spasticity, spinal muscular atrophy and amyotrophic lateral sclerosis in humans
  - Creation of a reversible rat model of hemiparkinsonism via targeting of clostridial light chain to the substantia nigra through gene delivery
2. 2004-2005 Postdoctoral Research Fellow, New York, NY, Neurological Institute of New York, Department of Neurology – Marla J. Hamberger Ph.D.
  - Functional-anatomical organization of the temporal lobe
  - Role of anterior temporal lobe in auditory naming
  - Impact of temporal lobectomy on postoperative auditory naming
3. 2001-2004 Volunteer Research Assistant, New York, NY, Columbia College of Physicians and Surgeons, Department of Neurological Surgery – Robert R. Goodman M.D., Ph.D.
  - Clinical effects of electrode placement in deep brain stimulation for Parkinson's Disease
  - Role of microelectrode recording in the clinical efficacy of deep brain stimulation for Parkinson's Disease

**RESEARCH SUPPORT**

1. **National Institute of Neurological Disorders and Stroke Minority Research Supplement**  
Project: "Cortical Localization in Temporal Lobe Epilepsy" (R01 NS 35140)  
Institution: Columbia University College of Physicians and Surgeons, Neurological Institute of New York, Department of Neurology, New York, NY  
Role: Co-Investigator  
Duration: October 2004 through September 2005  
Award: \$40,000
  
2. **National Institutes of Health Short-Term Training Grant**  
Project: "Evaluation of Anatomical Location of Deep Brain Stimulation Electrodes Implanted in the Subthalamic Nucleus in Patients with Advanced Parkinson's Disease: Correlation with Intended Target and Clinical Outcome" (T35 HL07616)  
Institution: Columbia University College of Physicians and Surgeons, Neurological Institute of New York, Department of Neurological Surgery, New York, NY  
Role: Co-Investigator  
Duration: June 2001 through August 2001  
Award: \$3,150

**RESEARCH PRECEPTOR EXPERIENCE**

1. Rebeca E. Garcia (January 2005 to December 2005)  
Institution: Neurological Institute of New York, Columbia College of Physicians and Surgeons (New York, NY)  
Research Projects:
  - Carcinomatous meningitis from metastatic carcinoma of the urachus
  - Postmortem analysis of deep brain stimulator electrode location in a patient with diffuse Lewy body disease
  - Analysis of amygdalar function in patients having undergone nondominant temporal lobectomyResults:
  - Three peer-reviewed journal articles
  - Four published abstracts
  
2. Opeyemi O. Daramola (June 2007 to December 2007)  
Institution: Department of Neurosurgery, University of Minnesota Medical School (Minneapolis, MN)  
Research Project:
  - Description and incidence of neurosurgery infections due to Actinomyces and Nocardia bacterial speciesResults:
  - One book chapter

**REFERENCES**

References furnished upon request