

CURRICULUM VITAE

Robert J. Plunkett, M.D.
University at Buffalo Neurosurgery
Comprehensive Movement Disorders Center
100 High Street
Buffalo, New York 14203
(716) 859-7580

Education

- 1971- 1972 Colorado State University, Ft. Collins, Colorado
- 1972- 1974 BA - Biology, Indiana University, Bloomington Indiana
- 1974- 1978 M.D. - Indiana University School of Medicine, Indianapolis, Indiana

Post-Graduate Training

- 1978- 1980 Surgical Resident - Vanderbilt University Hospital, Department of Surgery, H.W. Scott, M.D., Chairman
- 1980- 1981 Neurosurgical Research Fellow - Vanderbilt University Hospital, Surgical Research Laboratory
- 1981- 1981 Neurology Registrar - Institute of Neurological Sciences, Glasgow, Scotland
- 1981- 1986 Neurosurgical Resident - Vanderbilt University Hospital, Department of Neurosurgery, W.F. Meacham/G.S. Allen, Chairmen
- 1986- 1990 Senior Staff Fellow - Surgical Neurology Branch, National Institutes of Health, Bethesda, Maryland
- 1999 Gamma Knife Training Course-authorized neurosurgeon, Pittsburgh, Pennsylvania.

Academic Positions

- 1990- 1990 Tenured Medical Officer- Surgical Neurology Branch, National of Institute Health, Bethesda, Maryland
- 1988- 1990 Part-time Staff - Department of Neurological Surgery, Walter Reed Army Medical Center, Washington, D.C.

1990- 1996	Assistant Professor of Neurosurgery, University at Buffalo, State University of New York, Buffalo, NY
1996-1998	Clinical Assistant Professor of Neurosurgery, University at Buffalo, State University of New York, Buffalo, NY
1998-present	Associate Professor of Neurosurgery, University at Buffalo, State University of New York, Buffalo, NY

Honors

1974	Phi Beta Kappa
1977	Alpha Omega Alpha
1978	Surgery Senior Honors - Indiana University School of Medicine

Experience

Summer 1975	Clinical Assistant - Myasthenia Gravis Clinic, Indianapolis, Indiana, Dr. J. Edward Tether
1976- 1978	Emergency Room Extern - Community Hospital, Indianapolis, Indiana
3/78 - 5/78	General Practitioner - Hammond Clinic, Hammond, Indiana
5/78 - 6/78	Research Assistant, Department of Surgery, Wishard Memorial Hospital, Indianapolis, Indiana

Medical Licensure

February 1978	Indiana Medical License
July 1980	Tennessee Medical License
July 1987	Maryland Medical License
October 1990	New York Medical License

Board Certification

Diplomate	Physicians Licensing Examination, 1978
Diplomate	The American Board of Neurosurgery (Written Exam Passed 1983) (Oral Exam Passed 1989)

Professional Memberships

- American Medical Association
- Research Society of Neurological Surgeons
- American Association for the Advancement of Science
- Meacham Neurosurgical Society
- Congress of Neurological Surgeons
- American Association of Neurological Surgeons
- Erie County Medical Society
- American Neuromodulation Society
- American Pain Society
- AANS Joint Section on Tumors
- American Society for Neural Transplantation
- AANS Joint Section on Pain

Service

- "Think First" of Western New York. Support group for head injury prevention and awareness. Member of the board of advisors and factual speaker (1/91 - Present).
- Trip to Tuzla, Bosnia to bring the Department of Neurosurgery a stereotaxic frame and teach them to use it. (1998)
- Parkinson's Wellness Group of Western New York, Inc. Support group and promotes awareness for those living with Parkinson's Disease, Buffalo, New York. Medical Advisor, Surgical Treatment of Movement Disorders (2000-present).
- Trip to Tuzla, Bosnia to bring the Department of Neurosurgery a Mayfield Head Support and to teach them how to use it.

Departmental Service

1990 - Present	Director of Research
1990 - Present	Coordinator for research elective
1990-Present	Mentor for students, medical students, and neurosurgical residents in my lab.
Jan-June 1991	Anna DeVilliers, M.D., Neurosurgery Resident
1991-92	Ahmad Zakeri, M.D., Neurosurgery Resident
1992-95	Hideo Asada, M.D., Post-Doctoral Fellow
Summer 1993	Nasser Razack, Medical Student, SUNY at Buffalo
1993-95	Paul A. Kaseloo, M.S., Research Assistant. Currently in Ph.D. program at the University of Wyoming
Fall 1994	Mike Cioffi, Post-Graduate student. SUNY at Buffalo
1994-96	Jeff Stiles, Ph.D. program, Pathology. I was on his thesis committee and part of his thesis work was done in my lab.
1994-97	Agnes Lis, MS Research Assistant. Currently in Ph.D. program at Nencki Institute, Warsaw, Poland. I was one of her thesis advisors and she was pursuing work initiated in my lab.

Summer 1995	Kristal Williams, Undergraduate student from Texas A&M
1995-96	John Pollina, M.D., Neurosurgery Resident
July 1996-1999	Allison Duncan, Undergraduate student, SUNY at Buffalo
1997-98	Agnes Lis, Phd Program at Nencki Institute. I was one of her thesis advisors and she was pursuing work initiated in my lab.
Jan 1999	Agnes Lis completed her thesis work in Poland, continuing her brain tumor studies which were initiated in my lab. Thesis defended 10/99 and Ph.D. granted.
1997-2000	Bryan Scott, Medical Student, SUNY at Buffalo
1999-2000	Agnes Lis. Post-doc in my lab.
1999-Present	Steve Selkirk, Ph.D. program, Pathology. I was on his thesis committee and part of his thesis work was done in my lab.
2000	Jennifer Jennings, Nurse Practitioner student took a clinical elective in my clinic
Summer 2001	Jennifer Williams, Medical Student, did a preceptorship in my clinic and in the O.R.
2001-2002	Lyle Ostrow, Ph.D. I was on his thesis committee and part of his work was in my lab
2001-2006	Jay Morrow, Ph.D. Program Pathology, I was on his thesis committee and he is doing part of his work in my lab.
2002-2003	David Piccioni, Graduate Student. I was on his thesis committee, and part of his research is in my lab. He continued work in my lab after completing his Ph.D.
2003	Justin Zbrezny, undergraduate student did a preceptorship in my clinic and the O.R.
2006	Justin Gorski, University of Rochester Undergraduate, did a summer preceptorship in my lab.

Hospital Service

1990-Present	Corporate Special Care Units Committee, Buffalo General Hospital
1991-1993	Surgery Search Committee for the Chief of Surgery, Buffalo General Hospital
1991-1994	Animal Care Committee, VA Medical Center
1991-1995	Medical Executive Committee, Buffalo General Hospital
1991-1995	Medical Administrative Committee, Buffalo General Hospital
1991-1995	Staff Executive Committee, Buffalo General Hospital
1991-1995	Clinical Chief of Neurosurgery, Buffalo General Hospital
1994	Ad hoc Committee - Criteria for the Determination of Brain Death, Buffalo General Hospital
1998-2005	Blood Products Committee, Roswell Park Cancer Institute
2002-Present	OR Committee Member, Buffalo General Hospital
2009-2012	Ad Hoc Committee – Promotions committee

University Service

1990-1994	Faculty Council
-----------	-----------------

1992-1993 Subcommittee of Faculty Council: Appointments, Promotions, Tenure and Privileges Committee
1994-1995 Committee to develop Neuroscience Graduate Course
1999-2003 Clinical Promotions Committee

Courses Taught

1992-1994, 1996 Cortex/forebrain Lecture Series, State University of New York at Buffalo. Topic: Transplants, regeneration.

June, 1993 Incoming Medical Resident Orientation Series: “Neurological/Neurosurgical Emergencies”

July 23, 1994 Department of Gynecology & Obstetrics, Morbidity-Mortality Conference, Buffalo General Hospital: Subarachnoid hemorrhage during pregnancy

June 27, 1995 Incoming Medical Resident Orientation Series: “Neurological/Neurosurgical Emergencies”

1990-Present Resident Education: I make daily teaching rounds with a neurosurgical resident every other week at Buffalo General Hospital. A resident scrubs with me for my surgical cases. In addition, I attend the following weekly or biweekly meetings which are for resident education: Neuropathology biweekly conference, Gamma Knife bi-weekly conference, weekly Neurosurgery morbidity and mortality conference, weekly Neurosurgery Grand Rounds, biweekly Roswell Park Brain Tumor Board, and biweekly Neurosurgery/Neurology conference. I also have taken a medical or undergraduate student in my lab three of the last five summers, and 2 neurosurgical residents have spent their research year in my lab.

Sept. 26- Oct.1, 1998 Visiting Professor to Tusla, Bosnia. “The use of the Stereotactic Frame in Neurosurgery.”

April 1998- 2002 Pathophysiology Course, SUNY Buffalo and Roswell Park Cancer Institute. (Taught yearly).
Topic: The Nervous System: 1) Brain Tumors
2) Neurodegenerative diseases

1998-2003 Guest Speaker, Pathophysiology Course, SUNY @ Buffalo School of Medicine, Buffalo, New York: “The Nervous System.”

1998-2003 Clinico-Pathological Correlation Conference. Pathology Course SUNY @ Buffalo School of Medicine, Buffalo, New York: “Head Injury.”

2001-2003 Guest Speaker, General Pathology Course, SUNY @ School of Medicine, Buffalo, New York: “Head Trauma.”

Research Support - Robert J. Plunkett, M.D. Principal Investigator on all grants

Veterans Administration Research Advisory Group "Injury-induced regeneration in parkinsonian rodents"	(Oct. '91 - Sep. '93)	\$41,000
Sinsheimer Foundation "Injury-induced regeneration in parkinsonian animals"	(Sep. '92-Sep. '95)	\$75,000
Veterans Administration Merit Review Grant "Injury-induced regeneration in parkinsonian models"	(Oct. '92-Oct. '95)	\$140,000
Buffalo General Foundation "Origin of sprouting fibers in hemiparkinsonian monkeys"	(April '92-April '93)	\$10,520
Buffalo General Foundation "Trophic factor infusion in hemiparkinsonian monkeys"	(July '93-June '94)	\$19,350
Troup Fund "Mutagenesis of angiogenic mediators in glial tumors Using the nude animal model"	(July '94-June '95)	\$15,230
Troup Fund, Grant 95016 "Estrogen Metabolites as Novel Treatments for Glioblastoma"	(Feb 01-Jan 02)	\$20,900
Walter Zurowski Sr. Memorial Fund "Use of Peripheral Blood Stem Cells in the Rat Brain"	(July '01-June '02)	\$5,000
Walter Zurowski Sr. Memorial Fund "Use of Peripheral Blood Stem Cells in the Rat Brain"	(June '02-June '03)	\$5,000

Publications

1. Glover JL, Bendick PJ, Link WJ, Plunkett, RJ: The plasma scalpel: a new thermal knife. Lasers Surg Med, 2(1):101-106, 1982
2. Nylander WA, Plunkett RJ, Hammon JW, and Oldfield EH and Meacham WF: Thiopental Modification of Ischemic Spinal Cord Injury in the Dog. Annals of Thoracic Surgery 33(1): 64-68, 1982.
3. Oldfield EH, Plunkett RJ, Nylander WA and Meacham WF: Barbiturate Protection in Acute Experimental Spinal Cord Ischemia. J Neurosurg 56:511-516, 1982.
4. Bankiewicz K, Plunkett RJ, Kopin IJ, Jacobowitz DM, and London WT and Oldfield EH: Transient behavioral recovery in hemiparkinsonian primates after adrenal medullary allografts. In: Progress in Brain Research Volume 4, Elsevier Science Publishers, April 1988.

5. Plunkett RJ, Weber RJ and Oldfield EH: Stereotactic implantation of dispersed cell suspensions into brain: A systematic appraisal of placement and cell survival. J Neurosurg 69:228-233, 1988.
6. Plunkett RJ, Saris SC, Bankiewicz KS, Ikejiri B and Weber RJ: Implantation of dispersed cells into primate brain. J Neurosurg 70:441-445, 1989.
7. Bankiewicz KS, Plunkett RJ, Jacobowitz DM, Kopin IJ, London WT, Oldfield EH: The effect of fetal mesencephalon implants on primate MPTP-induced Parkinsonism: Histochemical and behavioral studies. J Neurosurg 72:231-244, 1990.
8. Plunkett RJ, Bankiewicz KS, Cummins AC, Miletich RS, Schwartz JP and Oldfield EH: Long-term evaluation of hemiparkinsonian monkeys after adrenal autografting or cavitation alone. J Neurosurg, 73(6): 1990
9. Bankiewicz KS, Plunkett RJ, Jacobowitz DM, Kopin IJ and Oldfield, EH: The effects of fetal non-dopaminergic implants on primate MPTP induced Parkinsonism. Histochemical and behavioral studies. J Neurosurg, 74: 97-104, 1991.
10. Bankiewicz KS, Oldfield EH, Plunkett RJ, Schuette WH, Cogan DG, Hogan N, Zuddas A and Kopin IJ: Apparent unilateral visual neglect in MPTP-hemiparkinsonian monkeys is due to delayed initiation of motion. Brain Research, 541: 98-102, 1991.
11. Ewing SE, Weber RJ, Zauner A and Plunkett RJ: Functional recovery in hemiparkinsonian rats following intrastriatal implantation of activated leukocytes. Brain Research, 576: 42-48, 1992.
12. Sheng, JG, McShane, LM, Plunkett, RJ, Cummins, AC, and Oldfield EH, Kopin IJ, Palmatier, MA: Dopaminergic Neuronal Sprouting and Behavioral Recovery in Hemiparkinsonian Rats after Implantation of Amnion Cells. Experimental Neurology 123: 192-203, 1993.
13. Miletich, RS, Comi, G, Bankiewicz, K, Plunkett, R, Adams, R, DiChiro, G, Kopin, I. 6-[18F] Fluoro-L-dihydroxyphenylalanine metabolism and positron emission tomography after catechol-*O*-methyltransferase inhibition in normal and hemiparkinsonian monkeys. Brain Research 626, 1-13, 1993.
14. Kopin IJ, Bankiewicz KS, Plunkett RJ, Jacobowitz DM, and Oldfield EH: Tissue implants in treatment of parkinsonian syndromes in animals and implications for use of tissue implants in humans. Adv Neurol 60:707-714, 1993.
15. Wang J, Bankiewicz KS, Plunkett RJ, Oldfield EH: Intrastriatal implantation of interleukin-1: Reduction of parkinsonism in rats by enhancing neuronal sprouting from residual dopaminergic neurons in the ventral tegmental area of the midbrain. J Neurosurg. 80:484-490, 1994
16. Miletich, RS, Bankiewicz, KS, Quarantelli, M, Plunkett, RJ, Frank, J, Kopin IJ, Di Chiro, G: MRI Detects Acute Degeneration of the Nigrostriatal Dopamine System after MPTP Exposure in Hemiparkinsonian Monkeys. Annals of Neurology. 35 (6): 599-697, 1994.

17. Dolan SP, Capar SG, Jacobs RM, Plunkett RJ, Hawkins GS: Sensitivity of the quick color test for indicating lead release from ceramicware. JAOAC Int. 77(2):454-7, 1994
18. Bankiewicz KS, Palmatier M, Plunkett RJ, Cummins A, and Oldfield EH: Reversal of hemiparkinsonian syndrome in nonhuman primates by amnion implantation into caudate nucleus. J Neurosurg 81:869-876, 1994.
19. Langan TJ, Plunkett RJ, Asada H, Kelly K, Kaseloo P: Long-term production of Neurotrophic factors by astrocyte cultures from hemiparkinsonian rat brain. GLIA. 14:174-184, 1995.
20. Asada H, IP NY, Pan L, Razack N, Parfitt MM, Plunkett RJ: Time Course of Ciliary Neurotrophic Factor mRNA Expression is Coincident with the Presence of Protoplasmic Astrocytes in Traumatized Rat Striatum. J Neurosci Research. 40:22-30, 1995.
21. Asada H, Kaseloo P, Lis A, Petti D, Plunkett, RJ: Traumatized rat striatum produces neurite-promoting and neurotrophic activities *in vitro*. Experimental Neurology. 139:173-187, 1996.
22. Kaseloo PA, Lis A, Asada H, Barone TA, Plunkett RJ: In vitro assessment of neurotrophic activity from the striatum of aging rats. Neuroscience Letters 218:157-160, 1996.
23. Barone T, Plunkett RJ, Hohmann P, Overturf P, Ostrow P, Greenberg S: An experimental model of human leukemic meningitis in the nude rat. Blood, 90 (1): 298-305, 1997.
24. Greenberg SJ, Ulmook C, Overturf PM, Glenister N, Robinson TA, Lis A, Hohmann P, Goldman BD, Oseroff Ar, Plunkett RJ: Pleiotropic expression of heterologous cytokine/receptor genes in HTLV-1 associated diseases: Candidate TRS for chimeric gene therapy. Leukemia, 11:79-81, 1997.
25. Plunkett RJ, Ip NY, Asada H, Friedman B, Pan L, Kaseloo PA, Parfitt MM: Trauma-Induced Striatal CNTF and BDNF mRNA in Hemiparkinsonian Rats. Neuroreport 8:507-511, 1997.
26. Stiles JD, Ostrow PT, Balos-Miller L, Greenberg SJ, Plunkett R, Grand W, Heffner RR: Correlation of Endothelin-1 and Transforming Growth Factor β 1 with Malignancy and Vascularity in Human Glioma. J Neuropathology & Exp Neurology. 56(4): 435-439, 1997.
27. Pollina J, Plunkett RJ, Ciesielski MJ, Lis A, Greenberg SJ, Fenstermaker RA: Intratumoral Infusion of Topotecan Prolongs Survival in the Nude Rat Intracranial U87 Human Glioma Model. J. of Neuro-Oncology. 1998; 39: 217-225.
28. Plunkett RJ, Allison RR, Grand W: Stereotactic Neurosurgical Biopsy is an Underutilized Modality, Neurosurgical Review. Vol. 22, pp.117-120, 1999.

29. Plunkett RJ, Lis, A, Barone TA, Fronckowiak MD, Greenberg SJ: Hormonal Effects on Glioblastoma Multiforme in the Nude Rat Model, Journal of Neurosurgery. 1999; 90:1072-1077.
30. McKinley BP, Michalek A, Fenstermaker RA, Plunkett RJ: The impact of age and gender on the incidence of glial tumors in New York State from 1976 – 1995. Journal of Neurosurgery, 93(6): 932-9, 2000.
31. Lobel J, MacDonald IJ, Ciesielski MJ, Barone T, Potter WR, Plunkett RJ, Fenstermaker RA, Dougherty TJ. 2-[1-Hexyloxyethyl]-2-devinyl pyropheophorbide-*a* (HPPH) in a nude rat glioma model: Implications for photodynamic therapy. Lasers in Surgery & Medicine. 29(5): 397 - 405, 2001
32. Selkirk SM, Greenberg SJ, Plunkett RJ, Baron TA, Lis A, Overturf PM: Syngeneic central nervous system transplantation of genetically transduced mature, adult astrocytes. Gene Therapy. 432-443, 2002.
33. Maslov AY, Barone TA, Plunkett RJ, and Pruitt SC: Neural stem cell detection, characterization and age related changes in the sub-ventricular zone of mice. J Neuroscience, 24(7):1726-1733, 2004.
34. Lis A, Barone TA, Paradkar PN, Plunkett RJ, and Roth JA: Expression and localization of different forms of DMT1 in normal and tumor astroglial cells. Mol Brain Res, 122(1):62-70, 2004.
35. Lis A, Ciesielski MJ, Barone TA, Scott BE, Fenstermaker RA, and Plunkett RJ: 2-Methoxyestradiol inhibits proliferation of normal and neoplastic glial cells, and induces cell death, *in vitro*. Cancer Lett. 213(1):57-65, 2004.
36. Tawk RG, Duffy-Fronckowiak M, Scott BE, Alberico RA, Diaz AZ, Podgorsak MB, Plunkett RJ, and Fenstermaker RA: Stereotactic gamma knife surgery for trigeminal neuralgia: detailed analysis of treatment response. J Neurosurg, 102(3):442-449, 2005.
37. Pan J-J, Chang W-J, Barone TA, Plunkett RJ, Ostrow PT, and Greenberg SJ: Increased expression of TGF- β 1 reduces tumor growth of human U-87 glioblastoma cells *in vivo*. Cancer Immunology, Immunotherapy, 55:918-927, 2006.
38. Karamelas I, Alberico RA, Plunkett RJ, Fenstermaker RA: Intratumoral hemorrhage after remote subtotal microsurgical resection and gamma knife radiosurgery for vestibular schwannoma. Acta Neurochirurgica, 2006 (accepted).
39. Karamelas, Alberico RA, Plunkett RJ, Fenstermaker RA: Intratumoral hemorrhage after remote subtotal microsurgical resection and gamma knife radiosurgery for vestibular schwannoma. Acta Neurochir, February 2007 (published)
40. Selkirk SM, Morrow J, Barone T, Hoffer A, Lock J, DeChant A, Mangla S, Plunkett RJ, Miller R: Elevation of osteopontin levels in brain tumor cells reduces burden and promotes survival through the inhibition of cell dispersal. J neurooncol, September 2007

41. Karampelas I, Podgorsak MB, Plunkett RJ, Fenstermaker RA: Subthalamic nucleus metastasis causing hemichorea-hemiballism treated by Gamma knife stereotactic radiosurgery, 2008.

Submitted

Chapters

1. Bankiewicz KS, Plunkett RJ, Mefford I, Kopin IJ and Oldfield EH: Behavioral recovery from MPTP-induced parkinsonism in monkeys after intracerebral tissue implants is not related to CSF concentrations of dopamine metabolites. Progress in Brain Research, Chapter 63, Elsevier Science Publishers.

Published Proceedings of Scientific Meetings

1. Plunkett RJ, Oldfield EH, Nylander WA and Meacham WF: Barbiturate modification of spinal cord ischemia in the rabbit model. Scientific manuscript of the 50th Annual Meeting of the American Association of Neurological Surgeons, 1981.
2. Plunkett RJ, Nylander WA, Collins JC, Hammon JW, and Meacham WF: Mechanism of thiopental protection in spinal cord ischemia. The Surgical Forum, Vol. XXXII, 1981.
3. Blumenkopf B, Lipman JJ and Plunkett RJ: Objective assessment of the nociceptive sensibility and deficits associated with radiculopathy using the heat beam dolorimeter: Pain, (Supplement 4) p. 510, 1987.
4. Kopin KJ, Bankiewicz KS, Plunkett RJ, Porrino L, Jacobowitz DM, London WT and Oldfield EH: Recent Advances in Dopaminergic Implants. In: Progress in Parkinson Research, Chapter 26, Plenum Publishing Corporation, 1988.
5. Wang J, Bankiewicz KS, Plunkett RJ, Sheng JG, and Jacobowitz DM. Transplantation of microglia reduces experimental parkinsonism in rats. Proceedings of "Intracerebral Transplantation in Movement Disorders", Lund, Sweden, June 20-22, 1990.
6. Greenberg SJ, Choi U, Overturf PM, Glenister N, Robinson TA, Lis A, Hohmann P, Goldman BD, Oseroff AR, Plunkett RJ: Pleiotropic Expression of Heterologous Cytokine/Receptor Genes in HTLV-1 Associated Diseases: Candidate TRS for Chimeric Gene Therapy. Proceedings of The XVII Symposium of the International Association for Comparative Research on Leukemia and Related Diseases on Leukemia and Lymphoma/Pathogenesis and Treatment/Molecular Aspects Kyoto, Japan, October 20-November 3, 1995. Leukemia. 11(3) 79-81, 1997.
7. Morrow JT, Barone TA, Plunkett RJ, and Greenberg SJ: Human peripheral blood stem cells implanted into a nude rat human glioblastoma model. Tenth Annual Meeting of the American Society for Neural Transplantation and Repair, Clearwater, FL, May 2003; in Experimental Neurology 181: 84-112, 2003.

8. Piccioni DE, Barone TA, Varma R, Morrow J, Plunkett RJ, Ostrow P, Greenberg S: Reversible Interferon-Beta Induced Cell Cycle Arrest of Astroglial Tumors. American Academy of Neurology, Denver, CO, 2003; in Neurology 2003: 60(Suppl 1) A21.

Book Review

1. Wolff's Headache and Other Head Pain, Sixth Edition. Donald J. Dalessio, Stephen D. Silberstein (Editors). New York, Oxford University Press, 1993. Pages: 529. JNeurosurg 36:3, page 620. 1995

Peer Review

1. "Spinal Dural Arteriovenous Fistulas." Neurosurgery; Vol. 43, No.2. August 1998.
2. Reviewed Abstracts for 2008 CNS Meeting.

Letter to the Editor

1. Miletich, RS, Bankiewicz, KS, Plunkett RJ: Fetal Brain Grafts and Parkinson's Disease. Science Vol. 250:1434-1435. 1990.

Contributed Patient Data to United Parkinson Foundation Registry

While I was at the NIH, I wrote the protocol for and performed adrenal medulla grafts to the caudate nucleus for Parkinson's disease. The United Parkinson Foundation established a registry for these patients for data acquisition and analysis. I was the responsible author/contributor for the NIH group.

1. Goetz CG, Stebbins GT, Klawans HL, Koller WC, Grossman RG et al: United Parkinson Foundation Neural Transplantation Registry: 12 month data. Restorative Neurology and Neuroscience. 1989, 60.
2. Goetz CG, Stebbins CT, Klawans HL et al: United Parkinson Foundation and Neurotransplantation Registry: Multicenter U.S. and Canadian data base: presurgical 12 month follow-up. Neural Transplantation: From Molecular Basis to Clinical Application: Progress in Brain Research, Vol. 82. Elsevier 1990.
3. Goetz CG, Stebbins GT, Klawans HL, Koller WC, Grossman RG, Bakay RAE, Penn RD et al: United Parkinson Foundation Neural Transplantation Registry: multicenter data base: presurgical and 12 month follow-up. Neurology 40(Suppl. 1):400. 1990.
4. Goetz CG, Stebbins GT, Klawans HL, Koller WC, Grossman RG, Bakay RAE, Penn RD, and the United Parkinson Foundation Neural Transplantation Registry: United Parkinson Foundation Neurotransplantation Registry on adrenal medullary transplants: Presurgical, and 1 and 2-year follow-up. Neurology. 41:1719-1722. 1991.

5. Goetz CG, Stebbins GT, Klawans HL, Koller WC, Grossman RG: United Parkinson Foundation Neural Transplantation Registry: multicenter data base: two-year follow-up. Ann of Neurol. 30:296. 1991.
6. Goetz CG. Adrenal Medulla Neurotransplantation. Restorative Neurology and Neuroscience. 3:194. 1992.

Abstracts

1981- 1982

- A1. Nylander WA, Plunkett RJ, Hammon JW, Oldfield EH and Meacham WF: Thiopental modification of ischemic spinal cord injury in the dog. Society of Thoracic Surgeons, Los Angeles, CA January 26-28, 1981.
- A2. Plunkett RJ, Oldfield EH, Nylander WA and Meacham WF: Barbiturate modification of spinal cord ischemia in the rabbit model. American Association of Neurological Surgeons Boston, MA, April 5-9, 1981.
- A3. Plunkett RJ, Nylander WA, Collins JC, Hammon JW and Meacham WF: Mechanism of thiopental protection in spinal cord ischemia. American College of Surgeons, Surgical Forum, San Francisco, CA, October, 1981.
- A4. Plunkett RJ, McKana JA and Cobb CA: Endothelial changes in rabbit carotid microsurgical anastomoses (Honorable Mention Resident's Award) Southern Neurosurgical Society, White Sulphur Springs, West Virginia, March 10-13, 1982.

1987

- A5. Blumenkopf B, Lipman J and Plunkett RJ: Objective assessment of the nociceptive sensibility and deficits associated with radiculopathy using the head beam dolorimeter. Presented at the Joint Section on Spinal Disorders of the AANS and CNS, Boca Raton, Florida, January 14-17, 1987.
- A6. Johnson L, Plunkett RJ and Morris JA: All Terrain Vehicles: lethal to children and adolescents. Presented as part of testimony before the Senate Consumer Sub Committee of the Committee on Commerce, Science and Transportation, Washington, D.C., May 13, 1987.
- A7. Plunkett RJ, Weber RJ and Oldfield EH: Stereotactic implantation of dispersed cell suspensions into brain: a critical appraisal of placement and cell survival. Presented at the Annual Meeting of the American Association of Neurological Surgeons, Dallas, Texas, May 3-7, 1987.
- A8. Bankiewicz KS, Oldfield EH, Plunkett R, Vaidya U, London WH, Jacobowitz DM and Kopin IJ: Fetal mesencephalic implants in MPTP-treated monkeys: Creation of hemiparkinsonism in a full Parkinsonian animal. Presented at the Sixth International Catecholamine Symposium, Jerusalem, Israel, June 14-19, 1987.

- A9. Bankiewicz KS, Plunkett R, Kopin IJ and Oldfield EH: Adrenal medulla allograft implants produce transient behavioral recovery in hemiparkinsonian monkeys. Presented at the Schmitt Symposium, Rochester, NY, June 30-July 3, 1987.
- A10. Bankiewicz KS, Plunkett R, Kopin IJ, Jacobowitz D, London WT and Oldfield EH: Fetal mesencephalic graft induced hemiparkinsonism in an MPTP-parkinsonian monkey. Presented at the Annual Meeting of the congress of Neurological Surgeons, Baltimore, Maryland, October 24-29, 1987.

1988

- A11. Bankiewicz KS, Jacobowitz DM, Plunkett RJ, Oldfield EH and Kopin IJ: Injury-induced sprouting into the caudate nucleus after solid tissue implantation in MPTP-induced Parkinsonian monkeys. Presented at the 1987 Meeting of the Society for Neuroscience, New Orleans, LA, November 17-20, 1987.
- A12. Miletich RS, Bankiewicz KS, Plunkett RJ, Finn R, Jacobs G, Baldwin P, Adams MS, Kopin I, DiChiro G and Oldfield EH: L-[18F]-6-Fluodopa PET imaging of catecholaminergic tissue implants in Hemi-parkinsonian monkeys. Presented at the 40th Annual Meeting of the American Academy of Neurology, Cincinnati, Ohio, April 19-21, 1988.
- A13. Plunkett RJ, Saris SC, Bankiewicz KS, Weber RJ and Oldfield EH: Reliable method to implant dispersed cells into primate brain. Presented at the American Association of Neurological Surgeons Annual Meeting, Toronto, Ontario, April 24-28, 1988.
- A14. Plunkett RJ, Bankiewicz KS, Jacobowitz DM, Kopin IJ and Oldfield EH: Transient improvement after adrenal medullary implants in hemiparkinsonian primates. Presented at the American Association of Neurological Surgeons Annual Meeting, Toronto, Ontario, April 24-28, 1988.
- A15. Bankiewicz KS, Porrino L, Palombo EJ, Plunkett RJ, Kopin IJ and Oldfield EH: Local cerebral glucose utilization in MPTP parkinsonian monkeys correlates with functional recovery after fetal mesencephalic and adrenal medulla allografts. Presented at the American Association of Neurological Surgeons Annual Meeting, Toronto, Ontario, April 24-28, 1988.
- A16. Bankiewicz KS, Plunkett RJ, Jacobowitz DM, Kopin IJ, Perese DA and Oldfield EH: Sprouting of host dopaminergic fibers into the caudate nucleus after solid tissue implantation or injury in MPTP-induced parkinsonian monkeys. Presented at the American Association of Neurological Surgeons Annual Meeting, Toronto, Ontario, April 24-28, 1988.
- A17. Perese DA, Bankiewicz KS, Plunkett RJ, Ullman J and Oldfield EH: Fiber sprouting from host dopaminergic neurons in a parkinsonian rat model. Presented at the American Association of Neurological Surgeons Annual Meeting, Toronto, Ontario, April 24-28, 1988.

- A18. Plunkett RJ, Miletich RS, Bankiewicz K, Finn R and Oldfield EH: Positron emission tomography with L-[18F]-6-Fluorodopa in hemiparkinsonian monkeys receiving dopaminergic tissue implants. Presented at the American Association of Neurological Surgeons Annual meeting, Toronto, Ontario, April 24-28, 1988.
- A19. Kopin IJ, Zuddas A, Weise V, Plunkett RJ, Oldfield EH and Bankiewicz KS: Dopamine and tyrosine hydroxylase levels in the cortical and subcortical areas in the MPTP-Parkinsonian monkeys. Presented at the 1988 Meeting of the Society for Neuroscience, November 13-18, 1988.
- A20. Bankiewicz KS, Plunkett RJ, Jacobowitz DM, Kopin IJ, Cummins A and Oldfield EH: Implant induced catecholaminergic sprouting in MPTP Parkinsonian monkeys: behavioral and histochemical studies. Presented at the 1988 Meeting of the Society for Neuroscience, November 13-18, 1988.
- A21. Miletich RS, Bankiewicz KS, Plunkett RJ, Alger J, Brunetti A, Frank J, DiChiro G and Oldfield EH: Magnetic resonance imaging of blood brain barrier disruption after catecholaminergic implants to the caudate nucleus of hemiparkinsonian monkeys. Presented at the 1988 meeting of the Society for Neuroscience, November 13-18, 1988.
- A22. Palmatier MA, Plunkett RJ, Bankiewicz KS, Cummins AC and Kopin IJ: Neurite-promoting activity from the brain of MPTP-treated monkeys with and without surgical lesions. Presented at the Society for Neuroscience Annual Meeting, Toronto Canada, November 13-18, 1988.
- A23. Plunkett RJ, Bankiewicz KS, Jacobowitz DM, Kopin IJ, Cummins AC and Oldfield EH: Immunohistochemistry of adrenal autografted and cavitated hemiparkinsonian monkeys. Presented at the Society for the Neuroscience. Annual Meeting, Toronto Canada, November 13-18, 1988.
- A24. Morgan JK, Plunkett RJ, Palmatier MA and Oldfield EH: Effect of concentrated antibiotic solution on survival of rat fetal dopaminergic neurons. Presented at the Society for the Neuroscience Annual Meeting, November 13-18, 1988.

1989

- A25. Plunkett RJ, Bankiewicz KS, Miletich RS, Schwartz J, Cummins A and Oldfield EH: Long-term evaluation of hemiparkinsonian monkeys after adrenal autografting or cavitation alone. Presented at the American Association of Neurological Surgeons Annual Meeting, Washington, D.C., April 2-5, 1989.
- A26. Bankiewicz KS, Skirboll S, Mefford I, Hsiao J, Saunders R, Aigner T, Plunkett RJ, Wang J, Oldfield EH and Jordan K: Microdialysis-A new tool to study implant or injury-induced recovery in monkeys with MPTP-induced parkinsonism. Presented at the American Association of Neurological Surgeons Annual Meeting, Washington, D.C., April 2-5, 1989.
- A27. Cummins AC, Bankiewicz KS, Plunkett RJ and Oldfield EH: Quantification of the remaining cells in the dopaminergic nuclei of MPTP-treated monkeys: A potential source

of sprouting fibers after tissue implants. Presented at the American Association of Neurological Surgeons Annual Meeting, Washington, D.C., April 2-5, 1989.

- A28. Ewing SE, Plunkett RJ and Weber RJ: Functional recovery in hemiparkinsonian rats following intracerebral implantation of inflammatory cells. Presented at the American Association of Neurological Surgeons Annual Meeting, Washington, D.C., April 2-5, 1989.
- A29. McCutcheon I, Gress R, Plunkett RJ, Bankiewicz KS and Oldfield EH: The local cellular immune response to intracerebral dopaminergic allografts in rhesus monkeys. Presented at the American Association of Neurological Surgeons Annual Meeting, Washington, D.C., April 2-5, 1989.
- A30. Palmatier MA, Plunkett RJ, Cummins AC and Kopin IJ: Neurite-promoting activity is found in the brain of MPTP-treated hemiparkinsonian monkeys. Presented at Molecular and Cellular Mechanisms of Neuronal Plasticity in Aging and Alzheimer's Disease, at the National Institute on Aging, May 1-3, 1989.
- A31. Bankiewicz KS, Plunkett RJ, Kopin IJ, Cummins AC and Oldfield EH: Behavioral recovery in MPTP-hemiparkinsonian monkeys after amnion implantation into the head of caudate nucleus. Presented at the IIIrd International Symposium of Neural Transplantation, Cambridge, England, August 6-11, 1989.
- A32. Luciano ML, Plunkett RJ and Oldfield EH: Fetal pituitary allografts to the adult rat hypothalamus contain and secrete pituitary hormones at ten weeks. Presented at IIIrd International Symposium on Neural Transplantation, Cambridge, England, August 6-11, 1989.
- A33. Comi G, Miletich RS, Finn RD, Adams RJ, Bankiewicz KS, Plunkett RJ, Kopin IJ and DiChiro G: 6-[18F]-Fluoro-L-Dopa peripheral metabolism in humans and monkeys.

1990

- A34. McCutcheon I, Gress R, Bankiewicz KS, Oldfield EJ and Plunkett RJ: The local cellular response to focal brain trauma in monkeys. Presented at the American Association of Neurological Surgeons, Nashville, Tennessee, April 28 - May 3, 1990.
- A35. Wang J, Jacobowitz DM, Plunkett RJ and Bankiewicz KS: Recovery in hemiparkinsonian rats after intracaudal implantation of fetal microglia. Presented at the American Association of Neurological Surgeons, Nashville, Tennessee, April 28 - May 3, 1990.
- A36. Zauner A, Plunkett RJ, Chow T, Palmatier MA, Ewing SE, Porrino L and Weber RJ: Inflammation-induced recovery of hemiparkinsonian rats required both activated T-cells and macrophages. Presented at the American Association of Neurological Surgeons, Nashville, Tennessee, April 28 - May 3, 1990.
- A37. Luciano M, Kamilaris T, Johnson E, Plunkett RJ and Oldfield EH: Adrenal axis response in rats with fetal pituitary allografts: direct graft stimulation vs. host dependent activation. Presented at the Endocrine Society, June 1990.

1992

- A38. Plunkett RJ, Ip N, Parfitt MM, Wiegand SJ: Neurotrophic factors in traumatized rat striatum. Congress of Neurological Surgeons, Washington, DC, October 31 - November 5, 1992.

1993

- A39. Asada H, Ip NY, Parfitt MM, Plunkett RJ: Temporal Profile of the Cellular Reaction and Expression of Ciliary Neurotrophic Factor Messenger Ribonucleic Acid in Traumatized Rat Striatum. Poster, Congress of Neurological Surgeons 43rd Annual Meeting, 1993.
- A40. Zakeri A, Plunkett RJ, Parfitt MM: Origin of Regenerating Fibers in Hemiparkinsonian Monkeys Following Surgical Cavitation of the Striatum. Poster, Congress of Neurological Surgeons 43rd Annual Meeting, 1993.

1995

- A41. Robinson T, Plunkett R, Hohman P, Overturf P, Ostrow P, Greenberg S: Human Leukemic Meningitis: a Model in the Nude Rat. Presented at the Research Society of Neurological Surgeons Annual Meeting, Iowa City, IA, June 1995.
- A42. Plunkett, RJ, Stiles JD, Lis A, Ostrow PT, Balos Miller LL, Winfield J, Greenberg SJ: Identification of Angiogenic Growth Factors in Human Glioblastoma *In Vitro* and in an *In Vivo* Nude Rat Model. Poster, Congress of Neurological Surgeons, Annual Meeting, October 14-19, 1995, San Francisco, California.
- A43. Greenberg SJ, Choi U, Overturf PM, Glenister N, Robinson TA, Lis A, Hohmann P, Goldman BD, Oseroff AR, Plunkett RJ: Pleiotropic expression of heterologous cytokine/receptor genes in HTLV-I associated diseases: Candidate TRS for chimeric gene therapy. Presented at the XVIII Symposium of the International Association for Comparative Research on Leukemia and Related Diseases. Japan 1995.

1996

- A44. Stiles JJ, Greenberg SJ, Ostrow PT, Plunkett RJ, Overturf PM, Robinson TA, Lis A, Choi U: Transformation of In Vivo Malignant Phenotype in Human Gliomas Transduced with Genes Encoding Angiogenic Growth Factors. Presented at the American Academy of Neurology 48th Annual Meeting, San Francisco, CA. March 23-30, 1996.
- A45. Greenberg SJ, Choi U, Overturf PM, Du TL, Choi Y, Zheng H, Glenister, N, Robinson TA, Plunkett RJ, Lis, A, Hohmann P: Drug Activation Via Chimeric Promoter-Enzyme Gene Constructs to Treat Leukemic/Lymphomatous Meningitis. Presented at the American Academy of Neurology 48th Annual Meeting, San Francisco, CA. March 23-30, 1996.
- A46. Goetz CG, Bakay RAE, Fine A, Freed C, Freed W, Markham CH, Olanow CW, Plunkett RJ, Redmond E, Stebbins GT: American Society of Neural Transplantation Registry For

Fetal Mesencephalic Implants: Demographic and Baseline Data. Presented at the American Society for Neural Transplantation Third Annual Conference, Sand Key, FL April 25-27, 1996.

- A47. Lis A, Pollina J, Robinson TA, Stiles JJ, Greenberg SJ, Plunkett RJ: Sex-dependent differences in the survival of nude rats implanted intracerebrally with glioblastoma cell line. Presented at the Congress of Neurological Surgeons Annual Meeting, Montreal, Quebec. September 28-October 3, 1996.
- A48. Pollina J, Plunkett RJ, Ciesielski MJ, Lis A, Fenstermaker RA: Intratumoral infusion of topotecan prolongs survival in the nude rat/U87 human glioma model. Presented at the Congress of Neurological Surgeons Annual Meeting, Montreal, Quebec. September 28-October 3, 1996.
- A49. Pollina J, Greenberg SJ, Robinson TA, Hohmann P, Plunkett RJ: Primary Central Nervous System Lymphoma: An Animal Model Using an Intracerebrally Injected Human T Cell Line. Presented at the Congress of Neurological Surgeons Annual Meeting, Montreal, Quebec. September 28-October 3, 1996.

1997

- A50. Allison RR, Plunkett R, Grand W, Vongtama V, Shin KH: Stereotactic Neurosurgical Biopsy is an Underutilized Modality. Presented at the Seventh International Congress on Anti-Cancer Treatment, Paris, France. February 3-6, 1997.
- A51. Pollina J, Ciesielski M, Lis A, Castiglia G, Greenberg S, Fenstermaker R, Plunkett R: Efficacy and distribution of intratumoral topotecan in a nude rat glioma model and the rhesus monkey. American Association for Cancer Research, April 1997.
- A52. Plunkett R, Allison RR, Grand W: Stereotactic Neurosurgical Biopsy Is an Underutilized Modality: American Radium Society Annual Meeting New York City April 30-May 4, 1997.
- A53. Lis A, Barone TA, Greenberg SJ, Plunkett RJ: Gender related differences in survival in nude rats implanted intracerebrally with human gliomas. Congress of Neurological Surgeons Annual Meeting. September 27-October 2, 1997, New Orleans, Louisiana.
- A54. Withiam-Leitch SA, Barone TA, Lis A, Plunkett RJ, Langan TJ: Neurotrophic Potential of Long Term Adult Astrocytes. Great Lakes Glia Meeting. September 13-15, 1997.
- A55. Lis A, Barone TA, Ciesielski MJ, Fenstermaker RA, Greenberg SJ, Plunkett RJ. 2-ethoxyestradiol blocks glioma proliferation, induces apoptosis in vitro and prolongs survival in glioma bearing rats. Congress of Neurological Surgeons, New Orleans, LA. October 1997.

1998

- A56. Delacure MD, Wang HZ, Fenstermaker RA, Plunkett RJ. The safety of acute perioperative MRI in microvascular skull base reconstruction utilizing a ferromagnetic microvascular

anastomotic device. Second International Interdisciplinary Congress on Craniofacial and Skull Base Surgery, Cancun, Mexico, January 1998.

- A57. DeLacure MD, Wang HZ, Fenstermaker RA, Plunkett RJ: The safety of acute perioperative MRI in microvascular skull base reconstruction utilizing a ferromagnetic microvascular anastomotic device. North American Skull Base Society, Kamuela, Hawaii, February 13-17, 1998.
- A58. Plunkett RJ, McCarthy B, Barone T, Lis A, Surawicz T, Davis F, Fronckowiak MD: Influence of Gender on Survival of Patients with Glioma; Analysis of the SEER Database. Canadian Neuro-Oncology Biennial Meeting, Niagara-on-the-Lake, Ontario, May 7-9, 1998. AANS Annual Meeting, Philadelphia, PA, April 25-30, 1998.
- A59. Rodas RA, Fenstermaker RA, Grand W, Plunkett RJ, Pantano J. Hydroxyurea and concurrent radiation as adjuvant therapy in recurrent meningiomas. American Association of Neurological Surgeons – Brain Tumor Satellite Symposium, Philadelphia, PA, April 1998.
- A60. Lis A, Ciesielski MJ, Plunkett RJ: 2-methoxyestradiol blocks glioma proliferation and induces apoptosis in vitro. European Meeting on Glial Cell Function in Health and Disease. Greece 1998.
- A61. Barone TA, Duncan AM, Plunkett RJ: High dose estradiol benzoate increases survival in nude rats implanted intracerebrally with human gliomas. Congress of Neurological Surgeons October 3-8, 1998. Seattle, Washington.
- A62. Greenberg SJ, Pan JJ, Plunkett RJ, Barone TA, Spence PM, Choi U, Zhang H, Balos LL, Ostrow PT: Regulation of the Astroglia Phenotype by the TGF- β 1 Ligand/Receptor Signaling Pathway. 1998 AAN Scientific Program .
- A63. Landi MK, Plunkett RJ: Fluoroscopically-assisted laser guided facet denervation. Congress of Neurological Surgeons 1998.
- A64. Landi MK, Grand W, Fronckowiak MD, Li V, Plunkett RJ: Central neurocytoma: An analysis of the effects of surgery and radiotherapy. A review of 225 cases. Congress of Neurological Surgeons 1998.

1999

- A65. DeLacure MD, Wang HZ, Fenstermaker RA, Plunkett RJ: The safety of acute perioperative MRI in microvascular skull base reconstruction utilizing a ferromagnetic microvascular anastomotic device. American Society for Reconstructive Microsurgery, Hawaii, Hawaii January 16-18 1999
- A66. Lis A, Skierski J, Barone TA, Ciesielski M, and Plunkett RJ: 2-Methoxyestradiol Inhibits Proliferation and Induces Apoptosis Independent of P53 Status in Glioma Cells. Society for Neuro-Oncology 4th Annual Mtg, Scottsdale, AZ, November 17-21, 1999.

- A67. Lobel J, MacDonald I, Ciesielski M, Barone T, Potter W, Plunkett R, Fenstermaker R, Dougherty T: 2-[1-Hexyloxyethyl]-2-Deviny Pyrophephorbide-a (HPPH) Pharmacokinetics in a Nude Rat Glioma Model: Implications for Photodynamic Therapy. Society for fNeuro-Oncology, Scottsdale, AZ, November 1999.
- A68. Proulx GM, Plunkett R, Lee RJ, Jia C, Mechtler L, Podgorsak MB, Fenstermaker RA. Stereotactic radiosurgery for malignant gliomas. The Radium Society, 1999.

2000

- A69. Laws ER, Anderson F, Asher A, Bernstein M, Hartman L, Sloan A, Phillips L, Singleton C, and the *Glioma Outcomes Investigators. Treatment of malignant glioma: Patterns of care as reflected by the Glioma Outcomes Project. American Association of Neurological Surgeons, San Francisco, CA, April 2000.
- A70. Lillehei, KO, Anderson F, Bernstein M, Sawaya R, Phillips L, Singleton C. and the *Glioma Outcomes Investigators. Perioperative complications of biopsy and craniotomy in treatment of malignant gliomas: Data from the Glioma Outcomes Project. American Association of Neurological Surgeons. San Francisco, CA April 2000.
- A71. Anderson F, Hochberg F, Meyers C, Rock J, Phillips L, Singleton C, and the *Glioma Outcomes Investigators. Functional status following surgery for high-grade glioma: Preliminary results from the Glioma Outcomes Project. American Association of Neurological Surgeons. San Francisco, CA, April 2000.
- A72. Asher A, Stolzenbach K, Barker F, Limentani S, Laws E, Phillips L, and the *Glioma Outcomes Investigators. Differences between community and academic medical centers in the care of patients undergoing surgery for glioma: Findings from the Glioma Outcomes Project. Society for Neuro-Oncology, Chicago, IL, November 2000.
- A73. Phillips L, Meyers C, Litofsky NS, and the *Glioma Outcomes Investigators. Physician and surgeon evaluated depression in the Glioma Outcomes Project: Concordance, discordance and conclusions. Society for Neuro-Oncology, Chicago, IL, November 2000.

2002

- A74. Maslov A, Barone TA, Plunkett RJ, and Pruitt S: Utility of Mcm2 expression for identification of neural stem cells. Arthur M. Sackler Colloquia of the National Academy of Sciences, "Regenerative Medicine", October 18-20, 2002.

2003

- A75. Wong MY, Plunkett RJ: The Paraspinous, Transmuscular Approach for Placement of the Intrathecal Catheter for a Baclofen Pump. American Society for Stereotactic and Functional Neurosurgery, "Spasticity", New York, NY, May 18-21, 2003.
- A76. Piccioni DE, Barone T, Varma R, Morrow J, Plunkett R, Ostrow P, and Greenberg S: Reversible interferon-beta induced cell cycle arrest of astroglial tumors. American Academy of Neurology, Honolulu, HI, April 2003; in Neurology 60 (suppl 1): A21,

April 2003.

- A77. Morrow JT, Barone TA, Plunkett RJ, and Greenberg SJ: Human peripheral blood stem cells implanted into a nude rat human glioblastoma model. Tenth Annual Meeting of the American Society for Neural Transplantation and Repair, Clearwater, FL, May 2003; in Experimental Neurology 181: 84-112, 2003.

2004

- A78. Piccioni D, Barone T, Featherstone A, Ostrow P, Greenberg S, and Plunkett R: Retrovirally transduced adult rat astrocytes modulate tumor proliferation through transgene expression of interferon-beta. Eleventh Annual Meeting of the American Society for Neural Transplantation and Repair, Clearwater, FL, May 2004; in Experimental Neurology 187:203-227, 2004
- A79. Cerinca G, deBoer S, Plunkett RJ, Podgorsak MB: A geometrical method for lesion placement in radiosurgery of functional brain disorders. Bi-Annual Meeting of the Upstate Chapter of the AAPM, Syracuse, NY, November 12, 2004.

2006

- A80. Fabiano, A., Doyle, C, Trinidad, K, Plunkett, R: Distal Baclofen pump catheter migration associated with far lateral paraspinous surgical placement. Poster at Congress of Neurological Surgeons annual meeting October 7 - 12, 2006.

2008

- A81. Barone TA, Gottlieb PA, Murphy YK, Sachs F, and Plunkett R: A peptide from tarantula venom enhances NGF-induced neurite production in dopaminergic PC12 cells; in Cell Transplantation 17(4): 461, 2008.
- A82. Plunkett RJ, Prasad D, Snyder KV, Kuettel G, Fabiano AJ: Ommaya reservoir drainage and Gamma Knife radiosurgery for cystic metastases. 14th International Meeting of the Leksell Gamma Knife Society, Quebec City, CA, 2008.
- A83. Walsh M, Plunkett RJ, Sablauer A, Fenstermaker R, Prasad D: Gamma Knife Radiosurgery for Cerebral metastases from radioresistant primaries: Renal Cell Cancer and Melanoma: Imaging and clinical outcomes. 14th International Meeting of the Leksell Gamma Knife Society, Quebec City, Canada, 2008.

2009

- A84. Fabiano AJ, Hojnacki DW, Weigel P, Fenstermaker RA, Plunkett RJ: Increased incidence of vestibular schwannomas in multiple sclerosis patients. Annual Meeting of the American Association of Neurological Surgeons, San Diego, CA, 2009.
- A85. Fabiano AJ, Doyle C, Plunkett RJ: Treatment of Post-Herpetic Neuralgia with Intrathecal Narcotic Administration. Annual Meeting of the American Association of Neurological Surgeons, San Diego, CA, 2009.

Submitted

- A86. Lobel J, MacDonald I, Ciesielski M, Barone T, Potter W, Plunkett R, Fenstermaker R, Dougherty T: 2-[1-Hexyloxyethyl]-2-Devinyl Pyropheophorbide-a (HPPH) Pharmacokinetics in a Nude Rat Glioma Model.
- A87. Lobel J, Pollina J, Ciesielski M, Kraybill K, Piver S, Plunkett R, Fenstermaker R: Multiple Menengiomas During Long Term Therapy with Megestrol Acetate for Endomytrial Stromal Sarcoma.
- A88. J. Morrow, S. Greenberg, T. Barone, P. McCarthy, > Balos, C. Steward, J. Ostberg, R. Plunkett: Human Peripheral Blood Stem Cell Transduction and Transplantation into the Nude Rat Brain.

Lectures

1984, 85, 86

May Freshman Anatomy Course, Vanderbilt University School of Medicine, Nashville Tennessee
Speaker: Practical Neuroanatomy: A Neurosurgeon's Perspective

1987

June 18 Meacham Neurosurgical Society Annual Meeting, Destin, Florida
Speaker: Stereotactic Implantation of Dispersed LAK Cells in Rat Brain

June 20 Meacham Neurosurgical Society Annual Meeting, Destin Florida
Speaker: Brain Grafts in Parkinsonian Monkeys

September 25 NINDS Grand Rounds, National Institutes of Health, Bethesda, Maryland
Speaker: Brain Implants in MPTP - Induced Parkinsonian Primates

October 2 Neurosurgery Grand Rounds, Georgetown University Hospital, Washington, D.C.
Speaker: Dopaminergic Implants in MPTP - Induced Parkinsonian Primates

October 14 Neurosurgery Grand Rounds, The Robert Wood Johnson Medical School of the University of Medicine and Dentistry of New Jersey, New Brunswick, New Jersey.

1988

- March 2 Neurology Grand Rounds, Medical College of Virginia, Richmond, Virginia
Speaker: Tissue Implantation in Parkinsonian Primates
- March 8 Neurology Grand Rounds, Pennsylvania State College of Medicine, Hershey, Pennsylvania
Speaker: Tissue Implantation in Parkinsonian Primates
- April 7 Neurology Grand Rounds, West Virginia University School of Medicine, Morgantown, West Virginia
Speaker: Tissue Implantation in Parkinsonian Primates
- May 17 Neurology Grand Rounds, East Virginia School of Medicine, Norfolk, Virginia
Speaker: Tissue Implantation in Parkinsonian Primates
- June 2 Meacham Neurosurgical Society Annual Meeting, Nashville, Tennessee
Speaker: Adrenal Autografts for Parkinsonism
- June 8 Neurology Grand Rounds, Georgetown University Hospital, Washington, D.C, Speaker: Adrenal Autografting for Parkinsonism: Experimental and Clinical Perspectives
- June 8 Neurosurgery Weekly Conference, Johns Hopkins University Hospital, Baltimore, Maryland
Speaker: Tissue Implantation in Parkinsonian Primates
- August 3 Suburban Hospital Grand Rounds, Bethesda, Maryland
Speaker: A Surgical Look at Parkinson's Disease
- November 7 Neurology/Neurosurgery Grand Rounds, Walter Reed Army Medical Center, Washington, D.C.
Speaker: Brain Grafting for Parkinsonism: Experimental and Clinical Perspectives

1989

- March 16 Neurology Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, PA
Speaker: Tissue Implantation in Parkinsonian Primates
- March 23 Monthly Health Seminar at the National Institute of Standards and Technology
Speaker: Concussion and Head Injury
- March 30 Neurosurgery Grand Rounds, University of Kentucky Medical Center, Lexington, KY
Speaker: Tissue Implantation in Parkinsonian Primates

- April 4 American Association of Neurological Surgeons Annual Meeting, Washington, D.C.
Panelist: Cerebral Grafting for Functional Restoration: Techniques and Observations
- August 4 Academic Neurosciences Meeting - Institute of Neurological Sciences, Glasgow, Scotland
Speaker: Neural Transplantation: An Update
- October 12 9th International Congress of Neurological Surgery, New Delhi, India
Panelist: Spinal Cord Lesions Posing Challenges: Spinal Dural Arteriovenous Fistulas
- October 27 The XIVth International Symposium of the Fulton Society - The Neurobiology of Brain Implants, New Delhi, India
Invited Speaker: Mechanisms of Functional Recovery after Brain Implantation in Subhuman Primates

1990

- April 30 American Association of Neurological Surgeons Annual Meeting, Nashville, Tennessee
Panelist: Current Status: Adrenal Transplants for Parkinson's Disease

1991

- April 17 Visiting Professor, SUNY Health Science Center at Syracuse.
Tissue Implantation: From Dopamine to Trophic Factors
Parkinsonism: Is it a Surgical Disease?
- June 7 Visiting Professor, Henry Ford Hospital, Detroit, MI. "Tissue Implantation for Parkinsonism--From Dopamine to Trophic Factors."
- November 5 Neurobiology for Neurosurgeons, 1991, Woods Hole, MA. "Factors Affecting Transplant Survival."
- December 15 Guest speaker, Neurosurgical Horizons in Parkinson's Disease, United Parkinson Foundation, "Primate Models of Parkinson's," Chicago, IL.
- December 17 Guest Panelist, Health Technology Associates, Chicago, IL. Panel topic: Etiology and Treatment of Parkinson's and Alzheimer's diseases."

1992

- May 14 Guest speaker, Neurology Grand Rounds, Buffalo General Hospital, Buffalo, New York. "Surgical Therapy for Parkinsonism."
- May 20 Guest speaker, WNY Science & Exposition Day, State University of New York at Buffalo, Bflo., NY. "Think First Head and Spinal Cord Injury Prevention Program."

1993

- January 23 Guest Speaker, Low Back Pain and the Primary Care Physician, sponsored by the State University of New York at Buffalo, Radison Hotel, Buffalo, NY. " Pathology of Low Back Pain" and "Role of the Pain Clinic in the Treatment of Low Back Pain."
- February 18 Guest Speaker, Neurology Grand Rounds, Buffalo General Hospital, Buffalo, New York. "Neuro-stimulation."
- April 28 American Association of Neurological Surgeons, Boston, MA.
Panelist: Functional Restoration in the CNS: Where Do We Stand?
- August 23 Guest Speaker: Department of Medicine, VA Medical Center, Buffalo, New York. "Subarachnoid Hemorrhage."
- October 5 Congress of Neurological Surgeons 43rd Annual Meeting, Vancouver, B.C.
Panelist: Neural Transplantation.
- October 22 Meacham Neurosurgical Society Annual Meeting, Nashville, TN
Speaker: Neurotrophic Factors and Parkinsonism.
- November 8 Guest Speaker: Department of Medicine, VA Medical Center, Buffalo, New York. "Brain Tumors."

1994

- January 11 Surgical Grand Rounds, William Beaumont Hospital, Royal Oak, MI
Speaker: Parkinsonism - Is it a surgical problem?
- March 14 Guest Speaker: Department of Medicine, VA Medical Center, Buffalo, New York. "Spinal Cord Compression."
- July 18 Meacham Neurosurgical Society Annual Meeting, Sea Island, GA
Speaker: " Antisense DNA as a Potential Treatment for Leukemic Meningitis"
- September 15 Guest Speaker: Department of Medicine, VA Medical Center, Buffalo, New York. Morbidity and Mortality Teaching Conference

1995

- March 16 Guest Speaker: Department of Medicine, VA Medical Center, Buffalo, New York. "Evaluation of Patient with Disc Disease."
- April 5 Guest Speaker: Department of Nursing, Buffalo General Hospital, Buffalo, New York. "Stereotactic Biopsy."

- May 24 Guest Speaker: Department of Neurosurgery, George Washington University, Washington, D.C. Topic: “Neural Transplantation, from Lab to Clinic (and back)”
- June 13 Guest Speaker: Caregiver Information for Patients and Families. “Dementia Information for Patients and Families”. VA Medical Center, Buffalo, New York. “Surgical Treatment for Parkinson’s Disease”
- July 17-19 Guest Speaker: “Leukemic Meningitis- a Model in the Nude Rat”, Guest Speaker: “Neural Transplantation, from Lab to Clinic (and back)”, Meacham Neurosurgical Society Annual Meeting, Sea Island, GA.
- December 21 Guest Speaker: Neurology Grand Rounds, “Pallidotomy”, Buffalo General Hospital, Buffalo, New York

1996

- Jan 13 Guest Speaker, Pathology of Low Back Pain sponsored by the State University of New York, Department of Neurosurgery, “The Pain Clinic” and “Chronic Pain Management,” Buffalo, New York.
- Jan 29 Guest Speaker, Radiation Oncology Grand Rounds, “Stereotaxis - Present and Future,” Buffalo General Hospital, Buffalo, New York.
- June 14 Guest Speaker: “Frameless Stereotaxy”, New Horizons in Neuroscience Nursing, Sponsored by the American Association of Neuroscience Nurses, Buffalo Hilton, Buffalo, NY
- June 27-29 Guest Speaker: “Growth Factors and Gliomas” and “Delivery of Large Molecules to the Brain Parenchyma.” Vanderbilt Meacham Neurological Society Annual Meeting. Vanderbilt University, Nashville, Tennessee

1997

- April 12-17 Discussant: Scientific Session III: “Fetal Kidney Tissue Augments the Function and Cell Survival of Fetal Dopaminergic Tissue When Cografted in an Animal Model of Parkinson’s Disease.” The American Association of Neurological Surgeons, Denver, Colorado
- May 3-4 Guest Speaker: “Cavernomas” The Brain Microvasculature: Clinical Applications for Neurologists and Neurosurgeons, State University of New York at Buffalo, Buffalo, New York.
- July 20-23 Guest Speaker: “Cavernous Angiomas”, and “Gender Effects in GBM”, Meacham Neurosurgical Society Annual Meeting, Sea Island, GA

September 18-19 Guest Speaker: "Potential of Autologous astrocytes for Brain Repair."
Co-authors: Robert J Plunkett, M.D. and Thomas J. Langan, M.D.
The 1997 Rose and Al Pastor Lecture Series, Buffalo, New York

September 29-Oct. 1 Guest Speaker: "Consultant's Corner: Management of Astrocytomas",
Congress of Neurological Surgeons Annual Meeting. New Orleans,
Louisiana.

October 14 Guest Speaker: "Gender and Glioma - A New Prognostic Factor?"
Surgical Neurology Branch Weekly Conference. NIH, Bethesda, MD

1998

January 8 Guest speaker, Neurology Grand Rounds, Buffalo General Hospital,
Buffalo, New York: "Intrathecal Baclofen MS and Beyond."

January 15 Guest speaker, Department of Medicine Grand Rounds, Buffalo
General Hospital, Buffalo, New York: "Sickle Cell Lower Back Pain
and Tuberculosis."

April 1 Graduate Lecture at Roswell Park Cancer Institute, Department of
Experimental Pathology on brain tumors and neurodegenerative
disorders. Buffalo, New York: "Brain Tumors, Neurodegenerative."

September 12 Guest speaker, Cerebral Small Artery Disease Conference, Sheraton
Inn, Buffalo, NY: "Perimesencephalic Hemorrhage."

November 7 Speaker, Parkinson's Disease Conference, Sheraton Inn, Buffalo, NY:
"History of Surgical Management of Parkinson's Disease."

December 10 Guest speaker, Neurology /Neurosurgery Combined Grand Rounds,
Buffalo General Hospital, Buffalo, New York: "Chiari
Malformations."

1999

June 5 Speaker, Parkinson's Disease Education Symposium, Sheraton Inn,
Buffalo, New York: "Parkinson's Disease Research & New Surgeries."

June 11 Invited Lecturer, Vanderbilt Meacham Neurosurgical Society,
Nashville, TN: "Low grade Gliomas"

June 12 Invited Lecturer, Vanderbilt Meacham Neurosurgical Society,
Nashville, TN: "Update: Estrogen and glioblastoma"

2000

February 23 Guest Speaker, Department of Surgical Oncology, Roswell Park Cancer
Institute, Buffalo, NY: "New Treatment Modality for Brain Tumors."

- June Speaker, Parkinson's Disease Education Symposium, Buffalo, New York: "Deep Brain Stimulation for Treatment of Parkinson's Disease."
- August 31 Guest Speaker, Neuro/Neurosurgery Combined Grand Rounds, Buffalo General Hospital, Buffalo, New York: "Spinal Cord Stimulator"
- October 10 Guest Speaker, Western New York Case Manager Network, Buffalo, NY: "Intrathecal Baclofen Pump."
- November 6 Guest Speaker, Roswell Park Cancer Institute, Buffalo, New York: "Primary Brain Tumor."
- November 13 Guest Speaker, Roswell Park Cancer Institute, Buffalo, New York: "Post Operative Craniotomy Care."

2001

- February 1 Guest Speaker, Neuro/Neurosurgery Combined Grand Rounds, Buffalo General Hospital, Buffalo, New York: "Deep Brain Stimulation for Movement Disorders."
- March 16 Guest Speaker, Anti-Spasticity Medication Lectures, Buffalo General Hospital, Buffalo, New York: "Oral & Intrathecal Baclofen."
- March 21 Guest Speaker, Surgical Grand Rounds, Roswell Park Cancer Institute, Buffalo, New York: "Management of Brain Metastases."
- March 2 Guest Speaker, Seminar for MRI Society, Buffalo, New York: "Deep Brain Stimulation."
- June 30 Speaker, Parkinson's Disease Education Symposium, Buffalo, New York: "Update on Surgical Treatments for Parkinson's Disease."
- September 27 Guest Speaker, Neuro/Neurosurgery, Combined Grand Rounds, Buffalo General Hospital, Buffalo, New York: "Management of Adult Chiari Malformation."
- November 2-4 Case Presentation: Guest Speaker for Vanderbilt Meacham Society Annual Meeting: "504.0, Chiari I and Tethered Cord."
- December 20 Guest Speaker, Neuro/Neurosurgery, Combined Grand Rounds, Buffalo General Hospital, Buffalo, New York: "Normal Pressure Hydrocephalus."

2002

- February 9 Guest Speaker, Sheehan Grand Rounds, Sheehan Memorial Hospital, Buffalo, New York: "Neurostimulation for Chronic Lower Extremity Pain."

- March 11 Guest Speaker, Jones Memorial Health Center, Jamestown, New York: “Parkinson’s Control Therapy Presentation “Deep Brain Stimulation of the STN.”
- May 2 Guest Speaker, Association of Registered Nurses of Western New York, Buffalo, New York: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.”
- May 9-12 Guest Speaker, 1st Bosnia and Herzegovina Congress of Neurology, Tuzla, Bosnia and Herzegovina: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.”
- June 2 Speaker, Parkinson’s Disease Education Symposium, Buffalo, New York: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.
- June 5 Guest Speaker, Western New York Chapter of American Association of Neuroscience Nurses, Amherst, New York: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.”
- September 18 Guest Speaker, WCA Hospital Grand Rounds, Jamestown, New York: “An Implantable Drug Delivery System for Intrathecal Treatment of Spasticity or Pain.”
- October 8 Guest Speaker, WNY Nurse Case Manager Network, Buffalo, New York: “What is Gamma Knife and How it is used for Neurological Diseases.”

2003

- February 20 Guest Speaker, Millard Fillmore Gates Hospital Physical Therapy and Nursing Departments, Buffalo, New York: “Intrathecal Baclofen Pumps.”
- February 25 Guest Speaker, Independent Health, Buffalo, New York: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.”
- June 7 Speaker, Parkinson’s Disease Education Symposium, Buffalo, New York: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.”
- September 18 Guest Speaker, Neuro/Neurosurgery, Combined Grand Rounds, Buffalo General Hospital, Buffalo, New York: “Spinal Cord Stimulators”
- October 10 Guest Speaker, Chautauqua County Chapter of MS Society, Jamestown, New York: “Intrathecal Baclofen Pumps”.
- November 2 Guest Speaker, Niagara County Chapter of The Parkinson’s Wellness Group of Western New York, Inc., Niagara Falls, New York: “ Deep Brain Stimulation.”

2004

February 26 Guest Speaker, Neuro/Neurosurgery, Combined Grand Rounds, Buffalo General Hospital, Buffalo, New York: “Deep Brain Stimulators.”

June 26 Speaker, Parkinson’s Disease Education Symposium, Buffalo, New York: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.”

2005

February 18 Guest Speaker, The State University of New York at Buffalo, Neuroscience Graduate Program, Buffalo, New York: “Deep Brain Stimulation.”

June 11 Speaker, Parkinson’s Disease Education Symposium, Buffalo, New York: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.”

2006

January 10 Guest Speaker, Department of Internal Medicine Seminar Series, Millard Fillmore Gates Hospital, Buffalo, New York: “Deep Brain Stimulation for Parkinson’s Disease.”

March 17 Guest Speaker, Neurosurgical Forum, Jacksonville, Florida: “Gamma Knife Thalamotomy”.

April 11 Guest Speaker, WNY Nurse Case Manager’s Meeting, Buffalo, New York: Topic: 1. Deep Brain Stimulation for Parkinson’s Disease and Tremor; 2. Intrathecal Baclofen for Spasticity.

April 25 Guest Speaker, Parkinson’s Disease Patient Education Series, Buffalo, New York: “Deep Brain Stimulation for Parkinson’s Disease.”

June 11 Speaker, Parkinson’s Disease Education Symposium, Buffalo, New York: “Deep Brain Stimulation for Treatment of Parkinson’s Disease.”

2007

May 5 Speaker, Parkinson’s Disease Education Symposium, Buffalo, New York: “Deep Brain Stimulation for Parkinson’s Disease.”

October 25 Neuroscience Nurses Lecture

2008

April 26 Speaker, Parkinsons Disease Education Symposium, Buffalo, New York: “Deep Brain Stimulation.”