

Stephanie Greene, MD

Education

1989-1993 A.B. Dartmouth College (Biology/ Psychology)
1994-1998 M.D. Albany Medical College

Post-Graduate Training

1998-1999 Intern in General Surgery, Pennsylvania State University
Milton S. Hershey Medical Center, Hershey, PA
1999-2000 Resident in Neurological Surgery, Pennsylvania State University
Milton S. Hershey Medical Center, Hershey, PA
2000-2003 Resident in Neurological Surgery, Harvard Medical School
Brigham & Women's Hospital/ Children's Hospital, Boston, MA
2003-2004 Chief Resident in Neurological Surgery, Harvard Medical School
Brigham & Women's Hospital/ Children's Hospital, Boston, MA
2004-2005 Fellow in Pediatric Neurosurgery, University of Washington
Children's Hospital and Regional Medical Center, Seattle, WA

Academic Appointments

2004-2005 Instructor in Neurosurgery, University of Washington, Seattle
Children's Hospital and Regional Medical Center, Seattle WA
2005-present Assistant Professor in Neurosurgery, Brown Medical School, Rhode
Island Hospital and Hasbro Children's Hospital, Providence RI

Licensure and Certification

07/01/98-11/30/00 Pennsylvania State Board of Medicine (license # MT042996T)
12/01/00-present Massachusetts Board of Registration in Medicine (208628)
03/04/04-03/04/07 Washington State Department of Public Health (MD00043341)
06/30/05-present Rhode Island Board of Medical Licensure and Discipline (MD11839)

Membership in Professional Societies

1997 Sigma Xi, the Scientific Research Society
1999 Congress of Neurological Surgeons
1999 American Association of Neurological Surgeons

1994	Physicians for Social Responsibility
2000	Women in Neurosurgery
2001	Massachusetts Medical Society
2003	World Federation of Neurosurgical Societies
2003	New England Neurosurgical Society

Committee Memberships

2005–present	Clinical Practice Committee
2006–present	Quality Monitoring and Improvement Committee
2006–present	Infection Control Committee
2006–present	Pediatric Trauma Committee

Research and Employment

1991-1993
(school years) Laboratory Technician, Department of Physiology, Dartmouth Medical School, Hanover, NH

We attempted to characterize iodothyronine type III 5-deiodinase. My project involved altering the incubation medium of *Xenopus laevis* oocytes, in order to determine which nutrients were required for the enzyme to be activated. Enzyme activity was assessed by RIA.

1991-1993
(summers) Laboratory Technician, Biotechnology Systems R&D, E.I. DuPont DeNemours, Inc., Billerica, MA

I participated in the development of research kits. Projects included a kit which disrupts antigen/antibody immune complexes to allow the HIV-1 p-24 antigen to be detected by antigen capture ELISA, and assays to determine the levels of reverse transcriptase, TGF-beta1 and IgA antibody to Epstein-Barr virus in serum and plasma.

7/1993-8/1994 Research Coordinator, Fishberg Center for Neurobiology, Mount Sinai Medical Center, New York, NY

Our group studied aspects of the regulation, structure and function of the mammalian zinc metalloendopeptidase EC 3.4.24.15 utilizing molecular biology techniques.

7/2002-7/2003 Post-Doctoral Fellow, Department of Neurology, Children's Hospital Boston, Boston MA

Our group investigated the relationship between genetic mutations and outcome in medullablastoma. My project revolved around the relationship of the Sonic hedgehog and Wnt signal transduction pathways in normal cerebellar development.

Invited Presentations

- 1997 Levels of cerebral perfusion pressure and outcome after severe head injury. CNS Annual Meeting, New Orleans, LA.
- 1997 The influence of ICP and CPP on outcome after severe closed head injury. Neurology/Neurosurgery Grand Rounds, Albany Medical Center.
- 1997 Traumatic brain injury and the role of ICP in outcome prediction. Neurology/Neurosurgery Grand Rounds, Rhode Island Hospital.
- 2000 Cerebrospinal fluid diversion techniques: an historical perspective. Surgery Grand Rounds, Milton S. Hershey Medical Center.
- 2003 Radiation-induced gliomas following irradiation for primary brain tumors in children. AANS/CNS Section Meeting on Pediatric Neurological Surgery, Salt Lake City UT.
- 2004 The efficacy of radiographic detection of pediatric cervical spinal cord injury. AANS Annual Meeting, Orlando FL.
- 2004 Vein of Galen malformations. Intensive Care Unit Grand Rounds, Seattle Children's Hospital and Regional Medical Center, Seattle WA.
- 2004 Neurosurgical causes of incontinence. Urology Grand Rounds, Seattle Children's Hospital and Regional Medical Center, Seattle WA.
- 2004 The limits of radiographic studies in cervical spine trauma. AANS/CNS Section Meeting on Pediatric Neurological Surgery, San Francisco CA.
- 2005 Neural tube defects. Intensive Care Unit Grand Rounds, Seattle Children's Hospital and Regional Medical Center. Seattle WA.
- 2005 Neuroembryology. Neurosurgery Residents Conference, Rhode Island Hospital, Providence RI.
- 2006 Synaptic transmission. Neurosurgery Residents Conference, Rhode Island Hospital, Providence RI.
- 2006 An update on the Management of Myelomeningocele Study (MOMS). Multidisciplinary Antenatal Diagnosis and Management Conference, Women & Infants Hospital, Providence RI.
- 2006 An overview of brain tumor surgery and hydrocephalus management. Pediatric Hematology/Oncology Fellows Conference. Hasbro Children's Hospital, Providence RI.
- 2006 Congenital malformations of the brain and spinal cord. Perinatal Management Conference. Women & Infants Hospital, Providence RI.
- 2006 Neural tube defects. Neurology Grand Rounds, Rhode Island Hospital, Providence RI.
- 2006 Pediatric Head Trauma. Kiwanis Club Annual Symposium, Rhode Island Hospital, Providence RI.
- 2007 Abnormalities of Cerebrospinal Fluid Flow. Multidisciplinary Antenatal Diagnosis and Management Conference, Women & Infants Hospital, Providence RI.

2007 Spina bifida: what do we know now in 2007? Pediatric Grand Rounds, Rhode Island Hospital, Providence RI.

2007 Fetal neurosurgery. Fetal Surgery course. Brown Medical School, Providence RI.

2007 Tethered cord syndrome. General surgery resident conference. Rhode Island Hospital, Providence RI.

2007 Skull deformities. Pediatric Grand Rounds, St. Luke's Hospital, New Bedford, MA.

Bibliography

Original Articles

1. **Greene S**, Henson SL, Hannah E, and AJ Popp. Cerebral perfusion pressure and intracranial pressure as predictors of outcome after severe head injury (in revision).
2. **Greene S**, Popp AJ, and SL Henson. Pupillary dilation as a marker of outcome in trauma (in progress).
3. **Greene S**, Marcus K, and LC Goumnerova. Radiation-induced gliomas following irradiation for primary brain tumors in children (in revision).
4. **Greene S**, Woodard EJ, Proctor MR, and DL Johnson. The efficacy of radiographic detection of pediatric cervical spinal cord injury (in revision).
5. **Greene S**, IT Johnson and D Kim. Subdural hematoma following epidural analgesia for childbirth: a case report (in progress).
6. **Greene S**, Nair MN, Ellenbogen RG, Ojemann JG, and AM Avellino. Meningiomas in children (*Pediatric Neurosurgery* in press).
7. **Greene S**, Hawkins D, Rutledge JC, Douglas J, Ellenbogen RG, and AM Avellino. Pediatric intradural extramedullary synovial sarcoma : case report. *Neurosurgery* 59 (6): 1339-9.
8. **Greene S**, Lee C, Ellenbogen RG, Avellino AM and JG Ojemann. Brain shift associated with intracranial electrode monitoring (in progress).
9. **Greene S**, Kletter G, Geyer R, and RG Ellenbogen. Delayed increase in serum B-HCG in a patient with germinoma (in progress).

Chapters

1. **Greene S** and PM Black. Resection. In: Adelman G and BH Smith, eds. Encyclopedia of Neuroscience. Elsevier Ltd (Oxford): 2004.
2. **Greene S** and PM Black. The biology of meningiomas. In: Adelman G and BH Smith, eds. Encyclopedia of Neuroscience. Elsevier Ltd (Oxford): 2004.
3. **Greene S** and SL Pomeroy. Predictive factors in medulloblastoma. In: PM Black and J Loeffler, eds. Cancer of the Nervous System. Lippincott, Williams & Wilkins (New York): 2004.
4. **Greene S** and RG Ellenbogen. Congenital malformations of the brain and spinal cord. In: Fuhrman BP, JJ Zimmerman, eds. Pediatric Critical Care. Mosby-Year Book (St. Louis): 2005.

Abstracts

1. Tompkins S, **Greene S**, Glenn J, Greene RA, and SC Ng. Analysis of endothelin in serum and urine from patients with various pathological conditions. Third International Conference on Endothelin, Houston TX, 1992.
2. Whittemore SL, **Greene S**, Galton VA, and DL St. Germain. Characterization of an iodothyronine 5-deiodinase (5D) present in *Xenopus laevis* oocytes. 67th Meeting of the American Thyroid Association, Tampa FL, 1993.
3. **Greene S**, Popp AJ, Hannah E, and SL Henson. Levels of cerebral perfusion pressure and outcome after severe head injury. CNS Annual Meeting, New Orleans LA, 1997.
4. **Greene S**, Hannah E, Henson SL, and AJ Popp. The relationship between maximal intracranial pressure and outcome after head injury. CNS Annual Meeting, New Orleans LA, 1997.
5. **Greene S**, Lee C, Ellenbogen RG, Ojemann JG, and AM Avellino. Meningiomas of childhood. AANS/CNS Section Meeting on Pediatric Neurological Surgery, San Francisco CA, 2004.