

BOSTON UNIVERSITY SCHOOL OF MEDICINE CURRICULUM VITAE

NAME: Sampath, Prakash

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BUSINESS ADDRESS: Rhode Island Neurosurgical Institute
118 Dudley Street
Providence, RI 02905

EDUCATION

MD	1992	Columbia University College of Physicians and Surgeons	New York, New York
BA	1987	The Johns Hopkins University	Baltimore, Maryland
	1983	Haileybury College	Hertford, Herts, UK

POST-DOCTORAL TRAINING

The Johns Hopkins Hospital	Intern	Baltimore, MD	1992-1993
The Johns Hopkins Hospital	Assistant Resident	Baltimore, MD	1993-1995
The Johns Hopkins Bayview Medical Center	Chief Resident	Baltimore, MD	1995
The Johns Hopkins Children's Hospital	Chief Resident	Baltimore, MD	1996
The Johns Hopkins School of Medicine	Hunterian Neuro-Oncology Fellow	Baltimore, MD	1996-1998

LICENSURE

Maryland Medical License (D51070, inactive)	1992
Rhode Island Medical License (D10126)	1999
Connecticut Medical License (038665)	1999
Massachusetts Medical License (205361)	1999

BOARD CERTIFICATION:

Diplomate, National Board of Medical Examiners	1993
Diplomate of the American Board of Neurological Surgery	2005

ACADEMIC APPOINTMENTS

Associate Professor	Boston University of Medicine	2007-Present
Assistant Professor	Brown Medical School	1999-2007
Department of Clinical Neurosciences (Neurosurgery)	Providence, Rhode Island	
Director, Neuro-oncology	Rhode Island Hospital	1999-2005
Clinical Instructor, Department of Neurological Surgery	The Johns Hopkins Medical Institute Baltimore, Maryland	1998-1999

HOSPITAL APPOINTMENTS

Chief, Division of Neurosurgery	Roger Williams Hospital Providence, Rhode Island	2000-Present
Staff Neurosurgeon	Memorial Hospital Pawtucket, Rhode Island	2000-Present
Staff Neurosurgeon	St. Joseph's (Fatima) Providence, Rhode Island	1999-Present
Staff Neurosurgeon	Miriam Hospital Providence, Rhode Island	1999-Present
Director, Neuro-oncology	Rhode Island Hospital Providence, Rhode Island	1999-2005

Staff Neurosurgeon	Rhode Island Hospital Providence, Rhode Island	2005-Present
Staff Neurosurgeon	Johns Hopkins Hospital Baltimore, Maryland	1997-1999

OTHER PROFESSIONAL POSITIONS AND MAJOR APPOINTMENTS

Director	Rhode Island Neurosurgical Institute Providence, Rhode Island	2005-Present
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AWARDS, HONORS, AND NAMED LECTURER:

NIH National Research Service Award	1997
NIH National Research Service Award	1998
John E. Sherman Resident Achievement Award	1997
Carl Zeiss Education Award	1996
Harvey Cushing Outstanding Research Award	1998
Guest Editor, Tumors of the Cerebellopontine Angle. <u>Neurosurgical Focus</u> (September)	1998
Dean's Teaching Excellence Award, Brown Medical School	2001
Dean's Teaching Excellence Award, Brown Medical School	2002

MAJOR COMMITTEE ASSIGNMENTS:

University:

Brown University:

2002-2005 Academic Research Committee, Department of Neurosurgery

Hospital:

Rhode Island Hospital:

1999-2005 Chairman, Quality Assurance Committee, Neurosurgery
 2000-2004 Transplant and Organ Procurement Committee
 2000-2003 Operating Room Committee
 2002-2005 Residency Committee (Neurosurgery)

Roger Williams Hospital:

2001-Present Quality Assurance Committee
 2002-Present Development Committee
 2004-Present Operating Room Committee
 2005-Present Credentialing Committee

Editorial Boards:

Field Review for:

Neurosurgery Quarterly (editorial board)	1995-Present
Journal of Spinal Disorders (field reviewer)	1997-Present
Neurosurgery (field reviewer)	1999-Present
Journal of Neuro-Oncology (field reviewer)	1999-Present
Acta Neurologica	2004-Present

Memberships, Offices, Professional Societies:

1994 AANS/CNS - Joint Section on Spine and Peripheral Nerve
 1994 AANS/CNS - Joint Section on Tumors
 1992 American Association of Neurological Surgeons (AANS)
 1989 American Medical Association (AMA)
 American Society of Clinical Oncologists - ASCO, (application submitted)
 2004 ASICON (Association of Spinal Surgeons in India)
 1997 British Neurosurgery Research Group

1997 Cervical Spine Research Society
 1993 Congress of Neurosurgeons (CNS)
 2001 Indian Skull-Base Society
 2000 Johns Hopkins Medical and Surgical Association
 2000 New England Cancer Society
 2001 New England Neurosurgical Society
 1996 North American Skull Base Society
 1997 Research Society of Neurologic Surgeons
 2000 Rhode Island Neurosurgical Society
 1998 Society of Neuro-Oncology (SNO)
 1999 Walter Dandy Society

Invited Lectures and Presentations

1. History of Neurosurgery at The Johns Hopkins Hospital. General Surgery Grand Rounds. Hurd Hall. April 15th 19, Baltimore, MD 1993.
2. Walter Dandy of Johns Hopkins. Department of Neurosurgery, Johns Hopkins Hospital, Grand Rounds, Baltimore, MD, May 16, 1995.
3. Spinal Infections. Main Topic Session Speaker. International Congress of Neurological Surgeons. Amsterdam, Netherlands, July 4-9, 1997.
4. Arterial Considerations in Skull Base Surgery. Course Instructor. Cerebrovascular Concerns in Skull Base Surgery. American Academy of Otolaryngology, San Francisco, September 1997.
5. Update on the Management of Malignant Gliomas in Adults. Lecture. Pitt Memorial Hospital. Weekly Oncology Conference. Greenville, NC, July 31, 1997.
6. Management of Malignant Gliomas. Lecture. East Carolina Medical Center, NC, September 5, 1997.
7. Contemporary Issues in The Management of Brain Tumors. Guest Lecturer. Department of Radiation Oncology. Brooklyn Hospital, November 23, 1997.
8. Invited Speaker. Oncology Grand Rounds. Lecture. St. Johns Hospital, Smithtown, NY, January 14, 1998.
9. Local Chemotherapy for Malignant Brain Tumors. Lecture. Portsmouth Naval Hospital, Norfolk VA, January 22, 1998.
10. New Directions in Local Delivery to the Central Nervous System. Department of Neurosurgery. Grand Rounds Lecture. SUNY Downstate, Brooklyn, NY, April 3, 1998.
11. New Approaches in Brain Tumor Therapy. Department Of Oncology. Grand Rounds. Texas A&M School Of Medicine, Scott And White Hospital, Temple, TX, April 9, 1998.
12. Local Chemotherapy in Brain Tumor Treatment. Department of Neurological Surgery. Neuro-Oncology Grand Rounds. University of Rochester School of Medicine, Strong Memorial Hospital, April 14, 1998.
13. Interstitial Chemotherapy for Malignant Brain Tumors. Department of Neurosurgery. SUNY Syracuse, April 14, 1998.
14. New Approaches in Malignant Gliomas. Neuro-Oncology - Neurosurgery Grand Rounds. SUNY Buffalo, April 15, 1998.
15. Neurosurgery Grand Rounds. Visiting Lecturer. Bellevue Hospital. NYU School of Medicine. New York, NY, May 8, 1998.
16. Adjuvant Therapy for Malignant Brain Tumors. Neurosurgery Grand Rounds. Allegheny University Hospital, Philadelphia, PA, August 11th 1998.
17. Acoustic Tumors: The Johns Hopkins Experience. Inaugural Skull Base Conference for Skull Base Society of India. New Delhi, India. September 25-27, 1998.
18. Contemporary Management of Malignant Gliomas. Delaware Society of Clinical Oncology. Wilmington, DE, December 3, 1998.

19. Chemoimmunotherapy: A Novel Treatment Against Malignant Brain Tumors. Neurosurgery Grand Rounds. The Cleveland Clinic Foundation, Cleveland, OH, January 6, 1999.
20. Research in the Hunterian Neurosurgery Laboratory. Neurosurgery Grand Rounds. Brown University School of Medicine. Rhode Island Hospital, Providence, RI, January 12, 1999.
21. Combined Local Chemotherapy and Paracrine Immunotherapy Against Experimental Brain Tumors. Neurosurgery Grand Rounds. Yale University School Of Medicine, Yale-New Haven Hospital, New Haven, CT, January 27, 1999.
22. Novel Treatments for Malignant Gliomas. UCLA Department of Neurosurgery. Los Angeles, CA, April 14, 1999.
23. Contemporary Aggressive Treatment of Malignant Gliomas. Neurosurgery Science Grand Rounds. Visiting Professor. Albany Medical Center. Albany, New York, December 2, 1999.
24. Contemporary CNS and Serologic Markers for Malignant Glioma. Visiting Professor. Department of Neurosurgery Grand Rounds. Johns Hopkins Medical Institutions. Baltimore, MD, September 19, 2002.
25. Gliadel® Wafer for the Upfront Treatment of Malignant Glioma. Monthly Oncology Conference. Caritas Norwood Hospital. Norwood, MA. October 22, 2002.
26. Future Trends in Neurosurgery in India. Special Visiting Professor Guest Lecturer. Sir Ganga Ram Hospital. New Delhi, India. February 10, 2003.
27. Consecutive Use of Gliasite and Gliadel in the Treatment of Recurrent Glioblastoma. New Strategies for Brain Tumor Therapy. Chicago, IL. August 8, 2004.
28. Fundamental Concepts in Spinal Biomechanics. What a Neurosurgeon Should Know? Guest Lecturer. Fortis Hospital, Noida, Utter Pradesh, India. November 12, 2004.
29. Arthroplasty with the Charite Disk Replacement Device. Visiting Professor. Habitat Institute. New Delhi, India. November 15, 2004.
30. What is the Future of Arthroplasty in India? Visiting Professor. Habitat Institute. New Delhi, India, November 15, 2004.
31. Dysphagia After Anterior Cervical Fusion. Guest Lecturer. Selby Spine Conference. Park City, UT. February 2, 2006.
32. Current Management of Patients With Malignant Gliomas. Guest Lecturer. Louisville, KY. March 30, 2006
33. Emerging Treatment Options for Malignant Gliomas. Novel Approaches for Drug Delivery for Brain Tumors. Visiting Professor. University of Massachusetts. Worcester, MA. June 7, 2006.
34. Emerging Treatment Options for Malignant Gliomas. Translational Research: The New England Neuro-oncology consortium. Visiting Professor. Worcester, MA. June 7, 2006.
35. Globus Protex Instrumentation System. Guest Lecturer. PA Neurosurgical Annual Scientific Meeting. Hershey, PA. July 14, 2006.
36. Anterior Cervical Corpectomy Using Expandable Cages: Advantages, Disadvantages and Technical Considerations. Guest Lecturer. Selby Spine conference. Park City, UT. February 1, 2007.
37. Controversies in the management of metastatic brain tumors. 2nd International Meeting. Updates in Neuro-Oncology. Cortona, Italy June 28 – 30, 2007.

RESEARCH FUNDING – Grant Support Information

GRANTS

Characterization and Potential Role of NK and NK-T cells in the Host Defense against Malignant Glioma. Submitted to The Brain Tumor Honor Society. 2006.
Principal Investigators: Gail Skowron, M.D., Prakash Sampath, M.D.

Chimeric IL-13 / T-cell receptor "Designer" T cells Against Experimental Malignant Gliomas. Submitted to National Brain Tumor Foundation (NBTF). 2007.
Principal Investigators: Prakash Sampath, M.D.

"Designer" T cells Against Malignant Brain Tumors. Submitted to Center for Biomedical Research Excellence (COBRE). Submitted to NIH 2007.

Novel Treatments for Malignant Brain Tumors. NIH National Research Service Award CA-09574-12 (\$50,000). 1996-1997.

Novel Treatments for Malignant Brain Tumors. NIH National Research Service Award CA-09574-13 (\$50,000). 1997-1998.

CLINICAL TRIALS AND ANIMAL PROTOCOLS

Animal Protocols

Co-Principal Investigator, Experimental model for gene delivery to treat malignant CNS tumor. (Del la Monte S, Sampath P)
Approved: 8/2000. Lifespan ARB.

Co-Principal Investigator, Experimental model for gene delivery in the brain. (Del la Monte S, Sampath P)
Approved: 8/2000. Lifespan ARB.

Clinical Trials

Co-Principal Investigator, Protein A (Recoverin): a novel serum marker for malignant glioma. (Addendum: a marker for cell injury from cerebrovascular accident and severe head trauma) (Alderson, Sampath)
Approved: 3/2000. Rhode Island Hospital.

Co-Principal Investigator, Phase II Trial of Temozolomide and Thalidomide in newly diagnosed glioblastoma multiforme.
(Alderson LM, Sampath P)
Approved: 2001. Rhode Island Hospital.

Co-Principal Investigator, An open-label dose ranging study of the safety of Taurolidine 0.5% and 2% solutions administered intrathecally to patients with recurrent or progressive glioblastoma multiforme.
(Alderson LM, Sampath P, Calabresi P)
Approved but inactive. Rhode Island Hospital.

Co-Principal Investigator, An open-label dose ranging study of the safety of Taurolidine 0.5% and 2% solutions administered intraventricularly to patients with meningeal carcinomatosis.
(Alderson LM, Sampath P, Calabresi P)
Approved but inactive. Rhode Island Hospital.

Co-Principal Investigator, Consecutive use of interstitial chemotherapy (Gliadel) with interstitial radiotherapy (Gliasite) for recurrent malignant glioma
(Alderson LM, Sampath P)
Approved: 2002. Rhode Island Hospital.

Co-Principal Investigator, Oral ST1481 in adults with recurrent malignant glioma
(Alderson LM, Sampath P)
Approved: 2002. Rhode Island Hospital.

Principal Investigator, Consecutive treatment of recurrent malignant glioma with interstitial brachytherapy (Gliasite) and interstitial chemotherapy (Gliadel)
Approved: 2003. Rhode Island Hospital.

Co-Principal Investigator, Combination interstitial chemotherapy (Gliadel) and Irinotecan (CPT-11) in the treatment of recurrent malignant glioma.

(Alderson LM, Sampath P)
Approved: 2003. Rhode Island Hospital.

Co-Principal Investigator, Combination systemic and interstitial chemotherapy (Gliadel) in the initial treatment of malignant glioma.

(Alderson LM, Sampath P)
Approved: 2004. Rhode Island Hospital.

Principal Investigator, A Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Parallel Design, 2-Arm Study to Investigate the Effect of Aprotinin On Transfusion Requirements in Patients Undergoing Elective Spinal Fusion Surgery.

(Sampath P)
Approved: 2006. Roger Williams Medical Center.

Principal Investigator, Randomized Controlled Trial of Duragen Plus Adhesion Barrier Matrix to Minimize Adhesions Following Lumbar Discectomy.

(Sampath P)
Approved: 2006. Roger Williams Medical Center.

Co-Principal Investigator, Secure-C IDE.
(Palumbo M, Sampath P)

Approved: 2006. Rhode Island Hospital.

RESEARCH EXPERIENCE

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| 1985 | Victor Corces, Ph.D.
Department of Biology
Johns Hopkins University,
Baltimore, MD 21231 |
| 1985 - 1990 | Thomas .D. Pollard, M.D.
Professor and Chairman
Department of Cell Biology and Anatomy
Johns Hopkins School of Medicine,
Baltimore, MD 21205 |
| 1991 - 1992 | Jeffery N. Bruce, M.D.
Associate Professor of Neurosurgery
Bartoli Brain Tumor Laboratory
Department of Neurological Surgery
Columbia University College of Physicians and Surgeons,
New York, NY 10032 |
| 1996 - 1999 | Henry Brem, M.D.
Harvey Cushing Professor of Neurosurgery and Oncology
Director, Department of Neurological Surgery
Hunterian Fellow in Neuro-Oncology
Johns Hopkins School of Medicine
Baltimore, MD 21287 |
| 1996 - 1999 | Drew Pardoll M.D., Ph.D.
Professor of Oncology
Department of Oncology
Johns Hopkins School of Medicine
Baltimore, MD 21287 |
| 1999 - 2004 | Co-Director, Neuro-Oncology Laboratory
Aldrich Bldg 425
Rhode Island Hospital
Brown University School of Medicine
Providence, RI 02906 |
| 2004 -present | Director, Neurosurgical Brian Tumor Laboratory
50 Maude Street
Roger Williams Medical Center
Providence, RI 02908 |

PATENTS / DISCLOSURES

Endotracheal Tube (Neurosurgical). U.S. Patent No. 7,174,894.

Endotracheal Tube (Neurosurgical). U.S. Patent No. 6,874,504.

Frameless Burr Hole Stereotactic Device (CFBSD) - Pending
Inventors: Benjamin S. Carson, Prakash Sampath M.D.

Interbody Stabilization Device with Local Radiotherapy for Spinal Metastases (Proxima Therapeutics, Inc., Atlanta, GA) – Patent Pending
Inventor: Prakash Sampath M.D.

Oscillating Bipolar Blade for Brain Tumor Extirpation (Endius Corp., N. Attleboro, MA)
Inventor: Prakash Sampath M.D.

Surgical Advisory Board. (Globus Medical. Paoli, PA). 2004 – Present.

Speaking Faculty. (MGI Pharmaceuticals. Baltimore, MD). 2001– Present.

Dynamic Cervical Plating System, ABC. (Aesculap Corp., Tuttlingen, Germany). Surgical Design Team.
2002 – Present.

Anti-adhesive Collagen Sponges after Spinal Surgery. Designer. (Integra Neurosciences, Plainsboro, NJ).
2004 – Present.