BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Seema Nagpal, MD	Clinical Assistant Professor of Neurology Stanford University, Division of Neuro-oncology

EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Massachusetts Institute of Technology, Boston, MA	S.B.	1999	Biology
University of Pennsylvania, School of Medicine	M.D.	2004	Medicine
University of Iowa Hospitals and Clinics	Resident	2004-2005	Neurosurgery

Intern

Resident

Fellow

2006-2007

2007-2009

2010-current

Medicine

Neurology

Neuro-oncology

A. Personal Statement

University of California, San Francisco

University of California, San Francisco

Stanford University, Stanford, CA

EDITO A TION (TD A INJUNIO

I am currently a Clinical Assistant Professor in neurology, in the division of neuro-oncology under the mentorship of Dr. Lawrence Recht, a Cancer Center Member. I have a research interest in the treatment and prevention of central nervous system (CNS) involvement of systemic cancers, including breast cancer and lung cancer. These are the most common cancers to spread to the leptomeninges, a devastating and lethal complication.

If we are able to identify patients who are at high risk for future CNS relapse, an opportunity exists to examine the benefit of prophylactic CNS-directed treatment in a future prospective clinical trial. The strategy of prophylactic treatment of the CNS has been successful in diseases with high-risk of CNS relapse, such as hematologic malignancy and small cell lung cancer, but has not been assessed in breast cancer

I am currently involved in a collaborative study between the Stanford neuro-oncology and breast programs as well as the UCSF breast cancer program. Given the high frequency of CNS relapse among patients with triple-negative and HER2+ breast cancers and the poor prognosis it carries, this work has great potential to improve outcomes for the > 50,000 women diagnosed with these cancers in the United States. Should this strategy prove effective, it can be translated to other cancers that have a propensity to involve the CNS, such as non-small cell lung cancers.

B. Positions and Professional Experience

Positions:

August 1997 - June 1998 Undergraduate Research Opportunity Program, MIT Cancer Research Center

Summer 1999 Research Technician, MIT Earth, Atmosphere, Planetary Sciences
Summer 2000 Bridging the Gaps Community Health Internship Philadelphia, PA
July 2002 - July 2004 Research Fellow, Neurosurgery & Radiation Oncology, University of

Pennsylvania

June 2004 - Dec 2005 Resident in neurosurgery, University of Iowa

January 2006 - April 2006
May 2006 - December 2009
February 2010 - current

Neuro-critical care research fellow, University of Pennsylvania
Intern and Resident, University of California, San Francisco
Neuro-oncology Fellow, Stanford University, California

Professional Memberships:

2007 - currentAmerican Academy of Neurology (AAN)2007 - currentAssociation of California Neurologists2010 - currentAmerican Society of Clinical Oncology

Service to Professional Organizations, Service Organizations, and Institutions:

2010, 2011	Neurology on the Hill Delegate, AAN
2010-current	Reviewer for Journal of Neuro-Oncology
2010-current	Stanford Hospital Quality Initiatives – Palliative Care Committee & Clinical
	Effectiveness Leadership Team
2008-2009	UCSF Resident and Fellows Council Co-Chair
2006-2009	UCSF Resident and Fellows Council Neurology Representative
2008-2009	UCSF Chief Resident's Council
2008-2009	UCSF Graduate Medical Education Committee
2009	Kaiser Teaching Award Selection Committee
2008-current	MIT Class of 1999 Vice President
2000-2004	Sigma Kappa UPenn Chapter Recruitment Advisor
2003	UPenn School of Medicine Student Government Representative
2002	UPenn Langfitt Neurosurgical Society Co-founder
2004	UPenn Culture in Medicine Course Preceptor
2003	UPenn Committee on Free Expression Member
1999-2000	Students Teaching AIDS to Students Coordinator
1998-1999	MIT Undergraduate Association Secretary General
1997-1998	MIT Undergraduate Association Publicity Chair
1997	MIT LeaderShape Coordinator

Honors/Awards:

1998

AAN 2009 Annual Meeting Resident Scholarship Recipient	2009
American Association of University Women Selected Professions Fellowship	Alternate 2003-04
National Institute for Diabetes, Digestive and Kidney Disease Research Grant	Oct-Dec 2003
Sharpe Foundation Educational Research Grant	2002-2003
National Panhellenic Graduate Scholarship	2002
Fermo Giansello Memorial Scholarship	1995-2002
Sigma Kappa Continuing Education Scholarship	2000
Finalist, Capistrano Unified School District Alumnae Hall of Fame	1999
Phi Beta Kappa Honor Society/ Chi Xi Chemistry Honor Society	1999/1998
MIT Dean's Award for Multi-cultural Community Service	1998
Panhellenic and Sigma Kappa Scholar (5.0 X 6 semesters)	1996-1999
Robert C. Byrd National Scholarship	1995-1999

B. Selected peer-reviewed publications and posters (in chronological order).

MIT Freshman Leadership Counselor

Nagpal S, Harsh G, Recht L. *Bevacizumab Improves Quality of Life in Patients with Recurrent Glioblastoma*. Chemotherapy Research and Practice, Accepted, currently in press.

Nagpal S, Clarke J. *Neoplastic Myelopathy*. Current Treatment Options in Neurology. Accepted, awaiting publication.

Nagpal S, Recht L. *Treatment and Prophylaxis of the Central Nervous System in Hematologic Malignancy*. Current Treatment Options in Neurology. April 12, 2011.

Nagpal S, Glantz MJ, Recht L. *Treatment and Prevention of Secondary CNS Lymphoma*. Seminars in Neurology. 30 (3): 263-272, July 2010.

Dhand A, Nakagawa K, **Nagpal S**, Gelfand G, Kim AS, Smith WS, Tihan T. *Cardiac Rupture After Intravenous t-PA Administration in Acute Ischemic Stroke*. Neurocritical Care. Epub August 2010.

Vidyarthi A, **Nagpal S**, Guffey P, Green A, Allen H, Baron R. "A Resident Incentive Program to Improve Quality of Care." Poster at AAMC meeting. Chicago, June 2009

Durand, et al (editors) UCSF Medicine Pocket Preceptor. "Seizures and Epilepsy" chapter contributor. 2009.

Heuer GG, Stiefel MF, **Nagpal S**, Basil AK, Smith D, Zager EL. *Carotid Endarterectomy under Regional Anesthesia: A Primer for the Uninitiated*. Neurosurgery Quarterly. 18(3): 201-206, September 2008.

Nagpal S, Halpern C, Sims C, Calland JF, Gracias VH, Schuster JM, LeRoux PD, Levine JM. *Decompressive Laparotomy to Treat Intractable Cerebral Hypoxia*. Journal of Trauma: Injury, Infection and Critical Care. August 2008.

Stein S, Levine J, **Nagpal S**, LeRoux P. *Vasospasm As The Sole Cause of Cerebral Ischemia: How Strong Is The Evidence?* Neurosurgical Focus. 21(3), 2006.

Huang JH. Simon SL. **Nagpal S**. Nelson PT. Zager EL. *Management of patients with schwannomatosis:* report of six cases and review of the literature. Surgical Neurology. 62(4): 353-61; Oct 2004.

Nagpal S, Kachur A, Shuman AL, Lustig RA, Busch TM, Evans SM, Koch CJ, Judy KD. *Evaluation of LS11 as a Photodynamic Therapy Agent for Gliomas*. Poster, Society for Neuro-Oncology, Nov 2003.

Robbins P, Behr S, **Nagpal S**. Interaction of the Bone Morphogenetic Protein Receptor Type IB with Metastatic Prostate Cancer Proteins via the Yeast Two-Hybrid System. MIT Biology Undergraduate Journal, Edition I 1998.

Talks and Teaching:

2011	"How to give bad news." Stanford Clinical Coordinator Seminar
2011	"Bevacizumab increases quality and quantity of life in patients with GBM" Duke University
	Neuro-oncology Division
2011	Neuro-pathology course facilitator
2011	"The good news about giving bad news" Stanford Neurology Resident Lecture
2010	"Neurologic Complications of Cancer" Stanford Neurology Resident Lecture
2010	"Bevacizumab prolongs time spent living independently in patients with recurrent GBM"
	Society of Neuro-oncology
2009	"Ventricular wall rupture after tPA" UCSF Morbidity and Mortality Conference
2008	"Chronic Meningitis vs Post-Infectious Meningitis" UCSF Case Conference
2006	Brain, Mind, and Behavior Neuro-pathology section facilitator

C. Research Support.

National Institute for Diabetes, Digestive and Kidney Disease Research Grant 2003, \$5,000 (complete)

Title: "Photodynamic Therapy for Glioma"

Role: Research Fellow

Project Goals: Investigate use of a new photodynamic therapy drug for treatment of malignant glioma in an

animal model

Sharpe Foundation Educational Grant \$25,000 (complete)

Title: "Photodynamic Therapy for Glioma"

Role: Research Fellow

Project Goals: Investigate use of a new photodynamic therapy drug for treatment of malignant glioma in an animal model