CURRICULUM VITAE

DANNY LIANG

ACADEMIC APPOINTMENTS

Hofstra North Shore – Long Island Jewish School of Medicine
North Shore – Long Island Jewish Health System
Assistant Professor of Neurosurgery
August 2011 - present

TRAINING

The University of Texas M.D. Anderson Cancer Center
Houston, Texas
Fellow in Neurosurgical Oncology
July 2010 – June 2011

University of Maryland Medical Center, Department of Neurosurgery
Baltimore, Maryland
Resident in Neurosurgery
June 2003 – June 2010

MEDICAL EDUCATION

University of Medicine and Dentistry of New Jersey - New Jersey Medical School
Newark, New Jersey
MD degree, May 2003

UNDERGRADUATE EDUCATION

University of Pennsylvania, School of Arts and Sciences
Philadelphia, Pennsylvania
Major: Biological Basis of Behavior - Physiology of Neural Systems
Bachelor of Arts, May 1998

HOSPITAL AFFILIATIONS

North Shore University Hospital
Long Island Jewish Medical Center
Lenox Hill Hospital
Forest Hills Hospital
Glen Cove Hospital

Franklin Hospital
Plainview Hospital
Syosset Hospital
Huntington Hospital
Southside Hospital

MEDICAL LICENSURE

New York State Medical License – through 3/31/13

ACADEMIC AWARDS

Second Place Award – "The Role of Intraoperative MRI in Brain Tumor Surgery"
NJMS Student Cancer Research Symposium, July 2000

CERTIFICATION

USMLE Step 1, June 2000
USMLE Step 2, January 2003
USMLE Step 3, October 2008
National Board Examination of Neurological Surgery, Passed Written Portion, May 2007

RESEARCH EXPERIENCE

Research Fellow, University of Maryland School of Medicine Oct 06 – Jun 07
Department of Neurosurgery, J. Marc Simard MD, PhD
The cellular mechanism and the role of SUR-1 regulated $NC_{Ca\text{-}ATP}$ channel in hypoxia induced necrosis in glioblastoma cells.

Research Intern, UMDNJ-New Jersey Medical School Jun 00 – Aug 00
Department of Neurosurgery, Michael Schulder MD
Utilization of Odin's Polestar N-10, a novel compact intraoperative MRI unit, in various neurosurgical procedures to provide real time imaging for intracranial navigation and surgery.

Research Associate, University of Pennsylvania School of Medicine Jul 98 – Jul 99
Division of Hematology/Oncology, Lawrence Brass MD Ph.D.
Effects of Gz, a G-protein found in platelets and brain, on microtubule activity in fibroblasts in vitro and it is phenotype in Gz knock-out (-/-) mice.

Research Assistant, University of Pennsylvania School of Medicine Mar 95 – May 98
Department of Radiation Oncology, Craig Stevens MD Ph.D.
Enhancing effects of ionizing radiation on DNA uptake into mammalian cells for gene therapy and effects of ionizing radiation on adenovirus mediated gene transfer.

PUBLICATIONS

Liang D, Schulder M: The Role of Intraoperative MRI in Glioma Surgery. Surg Neur Int 2012 (submitted)

Scuibba DM, Liang D, Kothbaeur K, Noggle JC, Jallo GI: The Evolution of Intramedullary Spinal Cord Tumor Surgery. Neurosurgery 65 (6 Suppl): 84-91, 2009

Liang D, Bhatta S, Gerzanich V, Simard JM: Cytotoxic Edema: Mechanisms of Pathological Cell Swelling. Neurosurg Focus 22 (5):E2, 2007

Schulder M, Liang D, Carmel PW: Cranial surgery navigation aided by a compact intraoperative magnetic resonance imager. J Neurosurgery 94: 936-945, 2001

ABSTRACTS

Schulder M, Liang D, Sernas TA, Carmel PW: Cranial surgery with a low field strength MRI. *American Academy of Neurological Surgery*, April 2001.

Schulder M, Liang D: Radiosurgery for benign intracranial lesions following surgery with intraoperative MRI. *Linac Radiosurgery*, December 2000.

Schulder M, Liang D, Carmel PW: Cranial surgery with a mobile, low field strength MRI. *American Academy of Neurological Surgery*, October 2000.

Zeng M, Lee J, Liang D, Cerniglia G, Stevens C: Ionizing radiation activates a non-homologous DNA recombination pathway in NIH/3T3 cells. *Proc. Am. Assoc. Cancer Res USA* 38:45, 1997.

Cerniglia G, Lee J, Liang D, Zeng M, Stevens C: Radiation enhanced gene integration in repair deficient cell lines. *Proc. Am. Assoc. Cancer Res. USA* 38:46, 1997.

BOOK CHAPTERS

Schulder M and Liang D: A Note on Intraoperative Imaging. In Michael Schulder (ed). *Handbook of Stereotactic and Functional Neurosurgery.* New York: Marcel Dekker: 553-558, 2003

PROFESSIONAL ORGANIZATIONS

American Association of Neurologic Surgeons – Provisional Member
Congress of the Neurological Surgeons – Active Member
Society of Neuro-Oncology – Active Member

AANS/CNS Section on History – Member
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves - Member
AANS/CNS Section on Neurotrauma and Critical Care - Member

LANGUAGES SPOKEN

Fluent in Mandarin Chinese.