

# Jasvinder S. Nangiana

## EMPLOYMENT

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**2016 - Present**                      **Neurosurgeon, Providence Medical Institute**                      **Los Angeles, CA**  
**Director of Neurosurgery, Providence Holy Cross Medical Ctr**  
**Clinical Faculty, UCLA and The House Clinic**

## EDUCATION

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**2015-2016**                      **Johns Hopkins University**                      **Baltimore, MD**  
Skull Base/Neurosurgical Oncology Fellowship with Dr. Quinones-Hinojosa  
Clinical Instructor

**2010-2015**                      **UCLA, Neurosurgery Residency**                      **Los Angeles, CA**  
Enfolded Radiosurgery and Complex Spine sub-specialization (PGY 7)  
Highest national score on ABNS written board examination: 992 (99<sup>th</sup> percentile)

**2002-2008**                      **Stanford University School of Medicine**                      **Stanford, CA**  
USMLE Step 1 score: 261 (99<sup>th</sup> percentile)

**2001-2002**                      **California Institute of Technology**                      **Pasadena, CA**  
Honors thesis in Biochemistry

**1997-2001**                      **University of California, Berkeley**                      **Berkeley, CA**  
B.A. High Honors in Molecular and Cell Biology  
*Summa Cum Laude*

## RESEARCH EXPERIENCE & SCHOLARLY ACTIVITIES

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**2015 – 2016**                      **Johns Hopkins University**                      **Baltimore, MD**  
 *Clinical instructor for endoscopic and open skull base course*  
 *Contributor for ABNS Maintenance of Certification (MOC) Examination: formulation and submission of questions for the MOC recertification Cognitive Exam*  
***Clinical and Translational Projects:***  
 *Comparison of awake versus non-awake craniotomies for resection of eloquent region gliomas: a ten year experience*  
 *Transition from microscopic to endoscopic transsphenoidal surgery at a high-volume institution: a ten year experience*  
 *Therapeutic applications of targeted blood-brain barrier disruption via focused ultrasound*

**2010 - 2015**                      **UCLA Medical Center**                      **Los Angeles, CA**  
 *Resident syllabus of skull base approaches and dissections (didactic project)*  
 *Minimal access skull base surgery: open and endoscopic-assisted approaches for clival chordomas and petrous apex lesions*  
 *Treatment of Glomus Jugulare Tumors: Radiosurgery v. Surgery*  
 *Multimodality management of symptomatic cerebellar AVMs*  
 *Neurosurgery gymnasium: Dry-lab microsurgical simulation for technical competency*  
 *UCLA experience with the Pipeline Embolization Device*  
 *QI project: Initiating quality improvement measures to reduce EVD infection rates in the Neurosurgical ICU*

**Summer 2006 - 2008**                      **Stanford University Medical Center**                      **Stanford, CA**  
Medical Scientist basic research project in Neurosurgery under the direction of Dr. Griffith Harsh, Dr. Harvey Cohen and Dr. Lawrence Recht: *Identification of potential*

*biomarkers and motors of early glioma development in a rat model using a comparative proteomics strategy.*

- Summer 2004**                      **Stanford University Medical Center**                      **Stanford, CA**  
Medical Scholars basic research project in Hematology/Oncology under the direction of Dr. Susan Knox: *Elucidation of the molecular pathway of rituximab-induced apoptosis in B-cell lymphomas.*
- Summer 2003**                      **Stanford University Medical Center**                      **Stanford, CA**  
Medical Scholars clinical research project in Radiation Oncology under the direction of Dr. Susan Knox.  
 *Phase I evaluation of intravenous <sup>131</sup>I-chTNT-1/B (mAb) for the treatment of advanced colorectal cancer.*  
 *Effect of G-CSF on neutropenia in patients with lung cancer receiving concurrent conformal 3D radiation therapy and chemotherapy.*
- Summer 1998-2000,  
Fall 2001 - Spring 2002**                      **California Institute of Technology (Howard Hughes Grant)**                      **Pasadena, CA**  
Research in Biochemistry under the direction of Prof. Pamela J. Bjorkman through the Summer Undergraduate Research Fellowship (SURF) Program.  
 *Elucidation of the interaction of HFE with the transferrin receptor (TfR) and localization of the HFE-TfR complex using confocal fluorescence microscopy.*  
 *Identification of the transferrin binding-site on the transferrin receptor via mutational analysis.*
- Fall 1997 - Spring 1998**                      **University of California, Berkeley**                      **Berkeley, CA**  
Research in Biochemistry under the direction of Prof. Sung-Hou Kim through the Undergraduate Research Apprenticeship Program (URAP): *TR-FTIR study of GTP hydrolysis mechanism by Ras protein.*
- Summer 1997**                      **California State University, Los Angeles**                      **Los Angeles, CA**  
Research in Organic Chemistry under the direction of Professor Stanley H. Pine: *Geminal-dimethylation of carbonyl groups using titanium-based reagents.*

## **PUBLICATIONS**

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1. McLaughlin N, **Nangiana JS**, Martin et al. Multimodality management of symptomatic cerebellar arteriovenous malformations in adult patients. Manuscript in review (2015).
2. **Nangiana JS**, Lim M, Silwa RA, Chang SD. Vein of Galen Malformations. Part II: Management. *Contemporary Neurosurgery.* 30:4, 2008.
3. **Nangiana JS**, Lim M, Silwa RA, Chang SD. Vein of Galen Malformations. Part I: Epidemiology, Clinical Presentation, and Radiologic Evaluation. *Contemporary Neurosurgery.* 30:3, 2008.
4. Lim M, Bower R, **Nangiana JS**, Chang SD. Radiosurgery for Glomus Jugulare Tumors. *Technol Cancer Res Treat.* 6(5):419-23, 2007.
5. Street HH, Goris ML, Fisher GA, Wessels BW, Cho C, Hernandez C, Zhu HJ, Zhang Y, **Nangiana JS**, Shan JS, Roberts K, Knox SJ. Phase I Study of <sup>131</sup>I-Chimeric(ch) TNT-1/B Monoclonal Antibody for the Treatment of Advanced Colorectal Cancer. *Cancer Biotherapy & Radiopharmaceuticals.* 21:243-56, 2006.
6. West AP, Giannetti AM, Herr AB, Bennett MJ, **Nangiana JS**, Pierce JR, Weiner LP, Snow PM, Bjorkman PJ. Mutational analysis of the transferrin receptor reveals overlapping HFE and transferrin binding sites. *J. Mol. Biol.* 313:385-397, 2001.
7. Ramalingam TS, West AP, Lebron JA, **Nangiana JS**, Hogan TH, Enns CA, Bjorkman PJ. Binding to the transferrin receptor is required for endocytosis of HFE and regulation of iron homeostasis. *Nature Cell Biol.* 2:953-957, 2000.

### **Pending publications:**

1. Awake versus non-awake craniotomies for eloquent region high grade gliomas: a ten year experience. Accepted to *Neurosurgery* journal.
2. The Trigemino-cardiac Reflex: Evidences in Neurological Surgery and a Novel Classification. Accepted to *World Neurosurgery* journal.

3. Awake versus non-awake craniotomies for eloquent region low grade gliomas: a ten year experience.
4. Transition from microscopic to endoscopic transsphenoidal surgery at a high-volume institution: a ten year experience.

## BOOK CHAPTERS

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1. **Nangiana JS**, Adler JR, Chang SD. Intracranial Stereotactic Radiosurgery: Image-Guided Stereotactic Radiosurgery (Chapter 4). Thieme Medical and Scientific Publishers Ltd. (2009).
2. **Nangiana JS**, Terterov S, Yang I. Endoscopic Management of Clival Chordoma (Chapter 28). Jaypee Brothers Medical Publishers Ltd. (2016).
3. Terterov S, **Nangiana JS**, Yang I. Endoscopic Management of Petrous Apex Lesions (Chapter 16). Jaypee Brothers Medical Publishers Ltd. (2016).

## ABSTRACTS/POSTERS

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1. Neurocritical Care Society Annual Meeting –November 2009, New Orleans, Louisiana  
Dhillon A, **Nangiana JS**, Alejandro R, Elco W. Coma from CSF hypovolemia: an unrecognized cause. Poster
2. American Association of Neurological Surgeons – April 2007, Washington D.C.  
Lim M, Bower R, **Nangiana JS**, Chang SD. Stereotactic Radiosurgery in Treating Glomus Jugulare Tumors. Poster.
3. American Association of Neurological Surgeons – April 2007, Washington D.C.  
Lim M, Bower R, **Nangiana JS**, Chang SD. Long Term Results on Stereotactic Radiosurgery for Glomus Jugulare Tumors: 9 year Follow-Up. Poster.

## AWARDS

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- Los Angeles Magazine Top Doctors** (2021 and 2022)
- Patient Experience Shining Stars** (2019)
- Providence Core Value Superstars** (2019)
- Resident award for academic excellence and teaching**, UCLA (2014)
- Highest national score on ABNS written board examination** (2014)
- Medical Scientist Research Fellowship**, Stanford Medical School (2006-2007)
- HHMI-NIH Research Scholars Program Finalist** (2006)
- Medical Scholars Fellowship**, Stanford Medical School (2003, 2004)
- Regents and Chancellor’s Scholarship**, UCSF Medical School (2002)  less than 1% of applicants
- Completed **honors thesis** in biochemistry, Caltech (2001)
- Graduated *summa cum laude*, UC Berkeley (2001)
- Summer Undergraduate Research Fellowship**, Caltech (1998-2001) – funded by HHMI
- Regents and Chancellor’s Scholarship**, UC Berkeley (1997-2001) – merit scholarship; less than 1% of applicants
- Alumni Leadership Scholarship**, UC Berkeley (1997-2001)  2.5% of applicants
- Dean’s Honor List**, UC Berkeley (1997-2001)
- Selected to present independent research on hereditary hemochromatosis (HH) at the **Southern California Conference on Undergraduate Research (SCCUR)** and at the **Undergraduate Research Symposium** at Caltech (1998, 2000)
- Edward Frank Kraft Scholarship**, UC Berkeley (1998)
- Undergraduate Research Apprenticeship Program**, UC Berkeley (1998)
- National Science Foundation Young Scholar’s Program** (1997)

## TEACHING AND VOLUNTEER EXPERIENCE

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06/14-06/15	UCLA Neurosurgery Department, Los Angeles, CA <b>ABNS Primary Board Examination Instructor</b>
01/13-06/15	UCLA School of Medicine, Los Angeles, CA <b>Medical Student Mentor</b>
08/02-04/08	Arbor Free Clinic, Stanford, CA

**Clinical Volunteer**

07/06-09/06

Stanford Medical School  
**Neuroanatomy Instructor**

08/02-06/05

South Asian Preventive Health Outreach Program  
**Steering Committee Officer**

07/03-12/03

Pacific Free Clinic, San Jose, CA  
**Outreach & Education Chair**

06/01-08/01

Princeton Review  
**MCAT Instructor**