

Shawn Hervey-Jumper

Associate Professor in Residence of Neurological Surgery

Principal Investigator, Brain Tumor Center

Dr. Hervey-Jumper specializes in the surgical treatment of adult brain tumors. His fellowship training in neurosurgical oncology focused on brain mapping techniques and surgery for removing tumors in eloquent cortex. His research interests include neurocognitive mapping, strategies to promote neural plasticity and recovery, and tools to improve patients' quality of life. He is also interested in developing techniques to improve safety during awake brain tumor surgery.

During neurosurgical residency at the University of Michigan, Dr. Hervey-Jumper completed a neuro-oncology research fellowship in the Crosby Neurosurgery Laboratory studying ways to slow the growth of malignant brain tumors. His research was recognized with the prestigious Wilder Penfield Award from the Congress of Neurological Surgeons, as well as a research fellowship granted by the Neurosurgery Research and Education Foundation/American Association of Neurological Surgeons.

Education, Training, and Previous Positions 2001: BS, Biology, Oakwood College 2006: MD, Ohio State University College 2006-2013: Residency, Neurological Surgery, University of Michigan 2010-2011: Postdoctoral Neuro-oncology Research Fellow, University of Michigan, Comprehensive Cancer Center 2013-2014: Clinical Neuro-oncology Fellow, Department of Neurological Surgery, UCSF 2014-2017: Assistant Professor of Neurological Surgery, University of Michigan 2017-present: Associate Professor of Neurological Surgery, University of California, San Francisco Selected Professional Memberships and Appointments Society for Neuro-Oncology American Association of Neurological Surgeons (AANS) Congress of Neurological Surgeons (CNS) AANS and CNS, Joint Section for Tumors American Association of Cancer Research (AACR) European Association of Neurological Societies Selected Recent Honors and Awards 2017: Harold Amos Fellow, Robert Wood Johnson Foundation 2016: Alfred Taubman Medical Research Institute Emerging Scholar, University of Michigan 2014: Ronald L. Bittner Award in Brain Tumor Research, AANS/CNS Tumor Section Max Peet Teaching Award University of Michigan 2013: Chandler-McGillicuddy Leadership Award, University of Michigan 2011: Neuro-Oncology Research Award, Neurosurgery Research and Education Foundation (NREF/AACNS) 2011: Wilder Penfield Research Award, Congress of Neurological Surgeons 2010: Health Policy Scholar, Ruben J Williams (RJW) Foundation 2007: Arnold G. Coran Teaching Award, University of Michigan

Selected Recent Publications Morshed RA, Young JS, Han SJ, Hervey-Jumper SL, Berger MS. The transcortical equatorial approach for gliomas of the mesial temporal lobe: techniques and functional outcomes. *J Neurosurg.* 2018 Apr 20;1-9. doi: 10.3171/2017.10.JNS172055. [Epub ahead of print] PubMed PMID: 29676697.

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Altshuler DB, Hervey-Jumper H, Hervey-Jumper SL. Surgical and Teaching Mission to Mongolia: Experience and Lessons. *World Neurosurg*. 2017 Jun;102:668-670.

Wang AC, Owen JH, Abuzeid WM, Hervey-Jumper SL, He X, Gurrea M, Lin M, Altshuler DB, Keep RF, Prince ME, Carey TE, Fan X, McKean EL, Sullivan SE. STAT3 Inhibition as a Therapeutic Strategy for Chordoma. *J Neurol Surg B Skull Base*. 2016 Dec;77(6):510-520.

Hervey-Jumper SL, Berger MS. Maximizing safe resection of low- and high-grade glioma. *J Neurooncol*. 2016 Nov;130(2):269-282.

Upadhyaya CD, Wan-Chu Chang K, Brown S, Beach T, Hervey-Jumper SL, Pandey AS, Park P, Jun-San Yang L. 147 Patient Perceptions About Quality of Care in Spinal Disorders. *Neurosurgery*. 2016 Aug;63 Suppl 1:159-60.

Berger MS, Hervey-Jumper S, Wick W. Astrocytic gliomas WHO grades II and III. *Handb Clin Neurol*. 2016;134:345-60.

Caverzasi E, Hervey-Jumper SL, Jordan KM, Lobach IV, Li J, Panara V, Racine CA, Sankaranarayanan V, Amirbekian B, Papinutto N, Berger MS, Henry RG. Identifying preoperative language tracts and predicting postoperative functional recovery using HARDI q-ball fiber tractography in patients with gliomas. *J Neurosurg*. 2016 Jul;125(1):33-45.

Lau D, Hervey-Jumper SL, Chang S, Molinaro AM, McDermott MW, Phillips JJ, Berger MS. A prospective Phase II clinical trial of 5-aminolevulinic acid to assess the correlation of intraoperative fluorescence intensity and degree of histologic cellularity during resection of high-grade gliomas. *J Neurosurg*. 2016 May;124(5):1300-9.

Southwell DG, Hervey-Jumper SL, Perry DW, Berger MS. Intraoperative mapping during repeat awake craniotomy reveals the functional plasticity of adult cortex. *J Neurosurg*. 2016 May;124(5):1460-9.

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Hervey-Jumper SL, Berger MS. In reply: Reoperation for recurrent high-grade glioma: does tumor genetics play a role? *Neurosurgery*. 2015 Apr;76(4):E497.

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