

Stanford



Simon Levinson

- Affiliate, Department Funds
- Resident in Neurosurgery

Bio

BIO

Simon was born and raised in and around New York City. He moved to California to attend the University of California, Los Angeles (UCLA) where he obtained undergraduate degrees in both political theory and neuroscience. Simon continued his education at UCLA where he attended the David Geffen School of Medicine. While a medical student he worked under the mentorship of Dr. Carlos Cepeda to investigate the cellular mechanisms underlying pediatric epilepsy. Additionally, under the mentorship of Dr. Ausaf Bari he created an MRI based structural atlas of the human brainstem. Simon is currently undergoing clinical training in neurologic surgery at Stanford University. He is interested in understanding how neural networks function and contribute to disease and how they can aid in developing novel treatment therapies. Outside of medicine, Simon enjoys spending time with his wife, going for hikes with their dog, traveling, listening to audiobooks, and running.

Please see complete publication list on Google scholar profile: https://scholar.google.com/citations?view_op=list_works&hl=en&user=eEX91cwAAAAJ

CLINICAL FOCUS

- Neurosurgery
- Cerebrovascular Disorders
- Residency

PROFESSIONAL EDUCATION

- BA, University of California, Los Angeles , Political Philosophy; Neuroscience (2017)
- MD, University of California, Los Angeles David Geffen School of Medicine , Medicine (2021)

Publications

PUBLICATIONS

- **Modern Imaging of Aneurysmal Subarachnoid Hemorrhage.** *Radiologic clinics of North America*
Levinson, S., Pendharkar, A. V., Gauden, A. J., Heit, J. J.
2023; 61 (3): 457-465
- **Balamuthia mandrillaris brain infection: a rare cause of a ring-enhancing central nervous system lesion. Illustrative case.** *Journal of neurosurgery. Case lessons*
Levinson, S., Kumar, K. K., Wang, H., Tayyar, R., Dunning, M., Toland, A., Budvytiene, I., Vogel, H., Chang, A., Banaei, N., Shuer, L.
2022; 3 (15)
- **A structural connectivity atlas of limbic brainstem nuclei.** *Frontiers in neuroimaging*
Levinson, S., Miller, M., Iftekhar, A., Justo, M., Arriola, D., Wei, W., Hazany, S., Avecillas-Chasin, J. M., Kuhn, T. P., Horn, A., Bari, A. A.
2022; 1: 1009399

- **A case series and review of the monostril endoscopic transnasal transsphenoidal approach: Safe and effective in a low resource setting** *CLINICAL NEUROLOGY AND NEUROSURGERY*
Peeters, S., Levinson, S., Wahjoepramono, E. J., July, J.
2021; 202: 106499
- **Paroxysmal Discharges in Tissue Slices From Pediatric Epilepsy Surgery Patients: Critical Role of GABA(B) Receptors in the Generation of Ictal Activity** *FRONTIERS IN CELLULAR NEUROSCIENCE*
Levinson, S., Tran, C. H., Barry, J., Viker, B., Levine, M. S., Vinters, H. V., Mathern, G. W., Cepeda, C.
2020; 14: 54
- **Structural correlates of emotional response to electrical stimulation of the amygdala in subjects with PTSD** *BRAIN STIMULATION*
Avecillas-Chasin, J. M., Justo, M., Levinson, S., Koek, R., Krahl, S. E., Chen, J. Y., Lee, S., Langevin, J., Bari, A.
2020; 13 (2): 424-426
- **Pathological high frequency oscillations associate with increased GABA synaptic activity in pediatric epilepsy surgery patients** *NEUROBIOLOGY OF DISEASE*
Cepeda, C., Levinson, S., Nariai, H., Yazon, V., Tran, C., Barry, J., Oikonomou, K. D., Vinters, H. V., Fallah, A., Mathern, G. W., Wu, J. Y.
2020; 134: 104618
- **Cellular antiseizure mechanisms of everolimus in pediatric tuberous sclerosis complex, cortical dysplasia, and non-mTOR-mediated etiologies.** *Epilepsia open*
Cepeda, C., Levinson, S., Yazon, V., Barry, J., Mathern, G. W., Fallah, A., Vinters, H. V., Levine, M. S., Wu, J. Y.
2018; 3 (Suppl Suppl 2): 180-190