



Nathan Ng

- Affiliate, Department Funds
- Resident in Graduate Medical Education

Bio

PROFESSIONAL EDUCATION

- Internship, Scripps Mercy Hospital (2024)
- MD, Stanford University School of Medicine (2023)

Publications

PUBLICATIONS

- **DSC perfusion MRI-derived fractional tumor burden and relative CBV differentiate tumor progression and radiation necrosis in brain metastases treated with stereotactic radiosurgery.** *American Journal of Neuroradiology*
‡Kuo, F., ‡Ng, N. N., Nagpal, S., Pollom, E. L., Soltys, S., Hayden-Gephart, M., Li, G., Born, D. E., Iv, M.
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- **Brain iron assessment after ferumoxytol-enhanced MRI in children and young adults with arteriovenous malformations: a case-control study.** *Radiology*
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- **Locoregional delivery of stem cell-based therapies.** *Science Translational Medicine*
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- **A deep learning-based system for survival benefit prediction of tyrosine kinase inhibitors and immune checkpoint inhibitors in stage IV non-small cell lung cancer patients: A multicenter, prognostic study** *eClinicalMedicine*
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- **Effects of age on white matter microstructure in children with neurofibromatosis type 1.** *Journal of Child Neurology*
Tam, L. T., Ng, N. N., McKenna, E. S., Bruckert, L., Yeom, K. W., Campen, C. J.
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- **Emerging role of stem cell-derived extravesicular microRNAs in age-associated human diseases and in different therapies of longevity.** *Ageing Research Reviews*
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- **Development and validation of a machine learning model to explore tyrosine kinase inhibitor response in patients with stage IV EGFR variant-positive non-small cell lung cancer.** *JAMA Network Open*
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- **Cerebral volume and diffusion MRI changes in children with sensorineural hearing loss.** *NeuroImage: Clinical*

- Moon, P. K., Qian, J. Z., McKenna, E., Xi, K., Rowe, N. C., Ng, N. N., Zheng, J., Tam, L. T., MacEachern, S. J., Ahmad, I., Cheng, A. G., Forkert, N. D., Yeom, et al
2020; 27: 1-9
- **Association of pediatric acute-onset neuropsychiatric syndrome with microstructural differences in brain regions detected via diffusion-weighted magnetic resonance imaging.** *JAMA Network Open*
Zheng, J., Frankovich, J., McKenna, E. S., Rowe, N. C., MacEachern, S. J., Ng, N. N., Tam, L. T., Moon, P. K., Gao, J., Thienemann, M., Forkert, N. D., Yeom, K. W.
2020; 3 (5): 1-15
 - **Comparisons of dual isogenic human iPSC pairs identify functional alterations directly caused by an epilepsy associated SCN1A mutation.** *Neurobiology of Disease*
Xie, Y., Ng, N. N., Safrina, O. S., Ramos, C. M., Ess, K. C., Schwartz, P. H., Smith, M. A., O'Dowd, D. K.
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 - **Mesenchymal stem cells confer chemoresistance in breast cancer via a CD9 dependent mechanism.** *Oncotarget*
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‡Xie, Y., ‡Schutte, R. J., ‡Ng, N. N., Ess, K. C., Schwartz, P. H., O'Dowd, D. K.
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 - **Research Associates Program: Expanding clinical research productivity with undergraduate students.** *SAGE Open Medicine*
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