Stanford

Michelle Monje

Milan Gambhir Professor of Pediatric Neuro-Oncology and Professor, by courtesy, of Neurosurgery, of Pediatrics, of Pathology and of Psychiatry and Behavioral Sciences

Pediatric Neurology

CLINICAL OFFICE (PRIMARY)

- **Pediatric Oncology Clinic**

  725 Welch Rd Ste 150

  Palo Alto, CA 94304

  Tel (650) 497-8953 **Fax** (650) 497-8101

ACADEMIC CONTACT INFORMATION

- **Administrative Assistant**

  Mei-Ling Li

  Email meilli@stanford.edu

Bio

CLINICAL FOCUS

- Neuro Oncology
- Neurology with Special Qualifications in Child Neurology

ACADEMIC APPOINTMENTS

- Professor, Pediatric Neurology
- Professor (By courtesy), Neurosurgery
- Professor (By courtesy), Pediatrics
- Professor (By courtesy), Pathology
- Professor (By courtesy), Psychiatry and Behavioral Sciences
- Member, Bio-X
- Member, Institute for Stem Cell Biology and Regenerative Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Chambers-Okamura Endowed Directorship for Pediatric Neuro-Immuno-Oncology, LPCH, (2025- present)

HONORS AND AWARDS

- Brain Prize, Lundbeck Foundation (2025)
- Member, National Academy of Sciences (2025)
- Ross Prize in Molecular Medicine, Northwell Health (2024)
- Jonathan Kraft Prize for Excellence in Cancer Research, Massachusetts General Hospital (2023)
- Paul Marks Prize in Cancer Research, The Marks Foundation and MSKCC (2023)

- Richard Lounsbery Award, National Academy of Science (2023)
- Investigator, Howard Hughes Medical Institute (2021-)
- MacArthur Fellowship, MacArthur Foundation (2021)
- Member, National Academy of Medicine (2021)
- Presidential Early Career Award for Science and Engineering (PECASE), NIH, White House (2019)
- NIH Director's Pioneer Award, NIH (2018-2023)
- Neuro-Oncology Investigator Award, American Academy of Neurology (2017)
- New Faculty Physician Scientist Translational Research Award, California Institute of Regenerative Medicine (CIRM) (2013 - 2018)
- 'A' Award, Alex's Lemonade Stand Foundation (2012-2015)
- Basic Science IV Award, California Institute of Regenerative Medicine (CIRM) (2012 - 2015)
- Peter A. Steck Memorial Award, Pediatric Brain Tumor Foundation (2011)
- K08 Mentored Clinical Scientist Career Development Award, National Institutes of Neurological Disorders and Stroke (2010 - 2015)
- Young Investigator Award, Hagerty Foundation for Glioma Research (2006)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Institutional PI/co-PI, Pediatric Brain Tumor Consortium (PBTC) (2012 - present)
- Scientific Advisory Board, Alex's Lemonade Stand Foundation (2018 - present)
- Editorial Advisory Board, Cancer Cell (2020 - present)
- Editorial Advisory Board, Neuron (2020 - present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford Hospital and Clinics Neuro-Oncology Fellowship (2010) CA
- Internship: Stanford University Internal Medicine Residency (2005) CA
- Medical Education: Stanford University School of Medicine (2004) CA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2008)
- Board Certification: Neuro-Oncology, United Council for Neurologic Subspecialties (2013)
- Residency: Massachusetts General Hospital (2008) MA
- Residency: Brigham and Women's Hospital Harvard Medical School (2008) MA
- Subspecialty Board Certification, United Council for Neurological Subspecialties , Neuro-Oncology (2013)
- PhD, Stanford University , Neuroscience (2004)
- MD, Stanford University (2004)

LINKS

- Monje Lab: http://neurology.stanford.edu/labs/monjelab
- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Much of brain development occurs after birth. Maturation of complex neural circuitry necessary for high-level cognitive and motor functions occurs throughout childhood and young adulthood. Central to the process of developing or strengthening a functional neural circuit is the generation of new

glial cells for neuronal support, synapse formation and myelination. In some brain regions, such as the hippocampus, new neuron production occurs throughout postnatal life and is believed to subserve normal memory function.

The Monje Lab studies the molecular and cellular mechanisms of postnatal neurodevelopment. This includes microenvironmental influences on neural precursor cell fate choice in normal neurodevelopment and in disease states. Areas of emphasis include neuronal instruction of gliogenesis, cellular contributions to the neurogenic and gliogenic signaling microenvironment, molecular determinants of neural precursor cell fate, and the role of neural precursor cells in oncogenesis and repair mechanisms. As a practicing neurologist and Neuro-oncologist, Dr Monje is particularly interested in the roles for neural precursor cell function and dysfunction in the origins of pediatric brain tumors and the consequences of cancer treatment. As a paradigm of pediatric gliogenesis, we have been focusing on brainstem tumors, whose spatial and temporal specificity bespeak an underlying developmental cause.

CLINICAL TRIALS

- A Study of Lower Radiotherapy Dose to Treat Children With CNS Germinoma, Recruiting
- GD2 CAR T Cells in Diffuse Intrinsic Pontine Gliomas(DIPG) & Spinal Diffuse Midline Glioma(DMG), Recruiting
- A Clinical and Molecular Risk-Directed Therapy for Newly Diagnosed Medulloblastoma, Not Recruiting
- A Trial of Dabrafenib, Trametinib and Hydroxychloroquine for Patients With Recurrent LGG or HGG With a BRAF Aberration, Not Recruiting
- Everolimus for Children With Recurrent or Progressive Ependymoma, Not Recruiting
- FLT-PET Imaging of Brain Tumors in Children, Not Recruiting
- INCB7839 in Treating Children With Recurrent/Progressive High-Grade Gliomas, Not Recruiting
- Optune for Children With High-Grade Glioma or Ependymoma, and Optune With Radiation Therapy for Children With DIPG, Not Recruiting
- Palbociclib Isethionate in Treating Younger Patients With Recurrent, Progressive, or Refractory Central Nervous System Tumors, Not Recruiting
- Peginterferon Alfa-2b in Younger Patients With Craniopharyngioma That is Recurrent or Cannot Be Removed By Surgery, Not Recruiting
- Pembrolizumab in Treating Younger Patients With Recurrent, Progressive, or Refractory High-Grade Gliomas, Diffuse Intrinsic Pontine Gliomas, Hypermutated Brain Tumors, Ependymoma or Medulloblastoma, Not Recruiting
- Phase I Study of APX005M in Pediatric Central Nervous System Tumors, Not Recruiting
- Ribociclib and Everolimus in Treating Children With Recurrent or Refractory Malignant Brain Tumors, Not Recruiting
- Selumetinib in Treating Young Patients With Recurrent or Refractory Low Grade Glioma, Not Recruiting
- Testing the Safety and Tolerability of CX-4945 in Patients With Recurrent Medulloblastoma Who May or May Not Have Surgery, Not Recruiting
- Trial of Panobinostat in Children With Diffuse Intrinsic Pontine Glioma, Not Recruiting
- Veliparib, Radiation Therapy, and Temozolomide in Treating Younger Patients With Newly Diagnosed Diffuse Pontine Gliomas, Not Recruiting
- Volitinib in Treating Patients With Recurrent or Refractory Primary CNS Tumors, Not Recruiting
- DNA Analysis of Tumor Tissue Samples From Patients With Diffuse Brain Stem Glioma, Not Specified
- Long-term Cognitive, Neuropsychiatric and Functional Outcomes in Adults Who Have Received Chimeric Antigen-Receptor T-Cell (CAR-T) Therapy for Aggressive Lymphoma at Stanford, Not Specified
- Pomalidomide in Treating Younger Patients With Recurrent, Progressive, or Refractory Central Nervous System Tumors, Not Specified
- Vismodegib in Treating Younger Patients With Recurrent or Refractory Medulloblastoma, Not Specified

Teaching

STANFORD ADVISEES

Alex Ravel

Med Scholar Project Advisor

Lehi Acosta-Alvarez, Amit Regev

Doctoral Dissertation Reader (AC)

Jerry Cheng, Griffin Hartmann, Weaverly Colleen Lee

Postdoctoral Faculty Sponsor

JoAnn Buchanan, Ashwin Kumar Jainarayanan, Grzegorz Krzak, Dena Panovska, Embla Steiner Malka, Andrew Stewart, Hayley Strasburger, Vrunda Trivedi, Michael Von Gunten, Haojun Xu

Doctoral Dissertation Advisor (AC)

Lehi Acosta-Alvarez, Lauren Koepke, Karen Malacon, Kamsi Nwangwu, Abigail Rogers

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Developmental Biology (Phd Program)
- Neurosciences (Phd Program)
- Stem Cell Biology and Regenerative Medicine (Phd Program)

Publications

PUBLICATIONS

- **Cholinergic neuronal activity promotes diffuse midline glioma growth through muscarinic signaling.** *Cell*
  Drexler, R., Drinnenberg, A., Gavish, A., Yalçin, B., Shamardani, K., Rogers, A. E., Mancusi, R., Trivedi, V., Taylor, K. R., Kim, Y. S., Woo, P. J., Soni, N., Su, et al
  2025
- **Immunotherapy-related cognitive impairment after CAR T cell therapy in mice.** *Cell*
  Geraghty, A. C., Acosta-Alvarez, L., Rotiroti, M. C., Dutton, S., O'Dea, M. R., Kim, W., Trivedi, V., Mancusi, R., Shamardani, K., Malacon, K., Woo, P. J., Martinez-Velez, N., Pham, et al
  2025
- **GABAergic neuron-to-glioma synapses in diffuse midline gliomas.** *Nature*
  Barron, T., Yalçın, B., Su, M., Byun, Y. G., Gavish, A., Shamardani, K., Xu, H., Ni, L., Soni, N., Mehta, V., Maleki Jahan, S., Kim, Y. S., Taylor, et al
  2025
- **Intravenous and intracranial GD2-CAR T cells for H3K27M+ diffuse midline gliomas.** *Nature*
  Monje, M., Mahdi, J., Majzner, R., Yeom, K. W., Schultz, L. M., Richards, R. M., Barsan, V., Song, K. W., Kamens, J., Baggott, C., Kunicki, M., Rietberg, S. P., Lim, et al
  2024
- **Glioma synapses recruit mechanisms of adaptive plasticity.** *Nature*
  Taylor, K. R., Barron, T., Hui, A., Spitzer, A., Yalcin, B., Ivec, A. E., Geraghty, A. C., Hartmann, G. G., Arzt, M., Gillespie, S. M., Kim, Y. S., Maleki Jahan, S., Zhang, et al
  2023
- **Neuron-oligodendroglial interactions in health and malignant disease.** *Nature reviews. Neuroscience*
  Taylor, K. R., Monje, M.
  2023
- **The neuroscience of cancer.** *Nature*
  Mancusi, R., Monje, M.
  2023; 618 (7965): 467-479
- **Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation.** *Cell*
  Fernández-Castañeda, A., Lu, P., Geraghty, A. C., Song, E., Lee, M. H., Wood, J., O'Dea, M. R., Dutton, S., Shamardani, K., Nwangwu, K., Mancusi, R., Yalçın, B., Taylor, et al
  2022

- **GD2-CAR T cell therapy for H3K27M-mutated diffuse midline gliomas.** *Nature*
  Majzner, R. G., Ramakrishna, S., Yeom, K. W., Patel, S., Chinnasamy, H., Schultz, L. M., Richards, R. M., Jiang, L., Barsan, V., Mancusi, R., Geraghty, A. C., Good, Z., Mochizuki, et al
  2022

- **NF1 mutation drives neuronalactivity-dependent initiation of optic glioma.** *Nature*
  Pan, Y., Hysinger, J. D., Barron, T., Schindler, N. F., Cobb, O., Guo, X., Yalcin, B., Anastasaki, C., Mulinyawe, S. B., Ponnuswami, A., Scheaffer, S., Ma, Y., Chang, et al
  2021

- **Roadmap for the Emerging Field of Cancer Neuroscience.** *Cell*
  Monje, M., Borniger, J. C., D'Silva, N. J., Deneen, B., Dirks, P. B., Fattahi, F., Frenette, P. S., Garzia, L., Gutmann, D. H., Hanahan, D., Hervey-Jumper, S. L., Hondermarck, H., Hurov, et al
  2020; 181 (2): 219–22

- **Electrical and synaptic integration of glioma into neural circuits.** *Nature*
  Venkatesh, H. S., Morishita, W., Geraghty, A. C., Silverbush, D., Gillespie, S. M., Arzt, M., Tam, L. T., Espenel, C., Ponnuswami, A., Ni, L., Woo, P. J., Taylor, K. R., Agarwal, et al
  2019

- **Methotrexate Chemotherapy Induces Persistent Tri-glial Dysregulation that Underlies Chemotherapy-Related Cognitive Impairment** *CELL*
  Gibson, E. M., Nagaraja, S., Ocampo, A., Tam, L. T., Wood, L. S., Pallegar, P. N., Greene, J. J., Geraghty, A. C., Goldstein, A. K., Ni, L., Woo, P. J., Barres, B. A., Liddelow, et al
  2019; 176 (1-2): 43-+

- **Loss of Adaptive Myelination Contributes to Methotrexate Chemotherapy-Related Cognitive Impairment.** *Neuron*
  Geraghty, A. C., Gibson, E. M., Ghanem, R. A., Greene, J. J., Ocampo, A. n., Goldstein, A. K., Ni, L. n., Yang, T. n., Marton, R. M., Paşca, S. P., Greenberg, M. E., Longo, F. M., Monje, et al
  2019

- **Potent antitumor efficacy of anti-GD2 CAR T cells in H3-K27M(+) diffuse midline gliomas** *NATURE MEDICINE*
  Mount, C. W., Majzner, R. G., Sundaresh, S., Arnold, E. P., Kadapakkam, M., Haile, S., Labanieh, L., Hulleman, E., Woo, P. J., Rietberg, S. P., Vogel, H., Monje, M., Mackall, et al
  2018; 24 (5): 572-+

- **Neural Precursor-Derived Pleiotrophin Mediates Subventricular Zone Invasion by Glioma.** *Cell*
  Qin, E. Y., Cooper, D. D., Abbott, K. L., Lennon, J. n., Nagaraja, S. n., Mackay, A. n., Jones, C. n., Vogel, H. n., Jackson, P. K., Monje, M. n.
  2017; 170 (5): 845–59.e19

- **Targeting neuronal activity-regulated neuroligin-3 dependency in high-grade glioma.** *Nature*
  Venkatesh, H. S., Tam, L. T., Woo, P. J., Lennon, J. n., Nagaraja, S. n., Gillespie, S. M., Ni, J. n., Duveau, D. Y., Morris, P. J., Zhao, J. J., Thomas, C. J., Monje, M. n.
  2017; 549 (7673): 533–37

- **Neuronal Activity Promotes Glioma Growth through Neuroligin-3 Secretion** *CELL*
  Venkatesh, H. S., Johung, T. B., Caretti, V., Noll, A., Tang, Y., Nagaraja, S., Gibson, E. M., Mount, C. W., Polepalli, J., Mitra, S. S., Woo, P. J., Malenka, R. C., Vogel, et al
  2015; 161 (4): 803-816

- **Neuronal Activity Promotes Oligodendrogenesis and Adaptive Myelination in the Mammalian Brain** *SCIENCE*
  Gibson, E. M., Purger, D., Mount, C. W., Goldstein, A. K., Lin, G. L., Wood, L. S., Inema, I., Miller, S. E., Bieri, G., Zuchero, J. B., Barres, B. A., Woo, P. J., Vogel, et al
  2014; 344 (6183): 487-?

- **BRAF/MEK inhibition induces cell state transitions boosting immune checkpoint sensitivity in BRAFV600E-mutant glioma.** *Cell reports. Medicine*
  Xing, Y. L., Panovska, D., Park, J. W., Grossauer, S., Koeck, K., Bui, B., Nasajpour, E., Nirschl, J. J., Feng, Z. P., Cheung, P., Habib, P., Wei, R., Wang, et al
  2025: 102183

- **Complex neural-immune interactions shape glioma immunotherapy.** *Immunity*

Song, K. W., Lim, M., Monje, M.
2025

- **Cancer research needs neuroscience and neuroscientists.** *Nature neuroscience*
  Monje, M., Winkler, F.
  2025

- **The road to CAR-T-cell therapy for lethal childhood brain tumours** *NATURE*
  Monje, M., Mackall, C.
  2025

- **Paediatric strategy forum for medicinal product development in diffuse midline gliomas in children and adolescents ACCELERATE in collaboration with the European Medicines Agency with participation of the Food and Drug Administration.** *European journal of cancer (Oxford, England : 1990)*
  Pearson, A. D., Mueller, S., Filbin, M. G., Grill, J., Hawkins, C., Jones, C., Donoghue, M., Drezner, N., Weiner, S., Russo, M., Dun, M. D., Allen, J. E., Alonso, et al
  2025; 217: 115230

- **Implementation and validation of single-cell genomics experiments in neuroscience.** *Nature neuroscience*
  Colonna, M., Konopka, G., Liddelow, S. A., Nowakowski, T., Awatramani, R., Bateup, H. S., Cadwell, C. R., Caglayan, E., Chen, J. L., Gillis, J., Kampmann, M., Krienen, F., Marsh, et al
  2024; 27 (12): 2310-2325

- **Central nervous system tumors in adolescents and young adults: A Society for Neuro-Oncology consensus review on diagnosis, management, and future directions.** *Neuro-oncology*
  Lim-Fat, M. J., Bennett, J., Ostrom, Q., Touat, M., Franceschi, E., Schulte, J., Bindra, R. S., Fangusaro, J., Dhall, G., Nicholson, J., Jackson, S., Davidson, T. B., Calaminus, et al
  2024

- **Glial Malignancies.** *Cold Spring Harbor perspectives in biology*
  Baker, S. J., Zong, H., Monje, M.
  2024

- **The National Cancer Institute Clinical Trials Planning Meeting to Address Gaps in Observational and Intervention Trials for Cancer-Related Cognitive Impairment.** *Journal of the National Cancer Institute*
  Janelsins, M. C., Van Dyk, K., Hartman, S. J., Koll, T. T., Cramer, C. K., Lesser, G. J., Barton, D. L., Mustian, K. M., Wagner, L. I., Ganz, P. A., Cole, P. D., Bakos, A., Root, et al
  2024

- **GABAergic neuronal lineage development determines clinically actionable targets in diffuse hemispheric glioma, H3G34-mutant.** *Cancer cell*
  Liu, I., Alencastro Veiga Cruzeiro, G., Bjerke, L., Rogers, R. F., Grabovska, Y., Beck, A., Mackay, A., Barron, T., Hack, O. A., Quezada, M. A., Molinari, V., Shaw, M. L., Perez-Somarriba, et al
  2024

- **Myelin plasticity in the ventral tegmental area is required for opioid reward.** *Nature*
  Yalçın, B., Pomrenze, M. B., Malacon, K., Drexler, R., Rogers, A. E., Shamardani, K., Chau, I. J., Taylor, K. R., Ni, L., Contreras-Esquivel, D., Malenka, R. C., Monje, M.
  2024

- **Opioid drugs drive electrical insulation of reward circuitry** *NATURE*
  Yalcin, B., Monje, M.
  2024

- **Glial plasticity dysregulation contributes to learning impairments in the neurogenetic disorder NF1** *NATURE NEUROSCIENCE*
  Pan, Y., Monje, M.
  2024

- **Nf1 mutation disrupts activity-dependent oligodendroglial plasticity and motor learning in mice.** *Nature neuroscience*
  Pan, Y., Hysinger, J. D., Yalçın, B., Lennon, J. J., Byun, Y. G., Raghavan, P., Schindler, N. F., Anastasaki, C., Chatterjee, J., Ni, L., Xu, H., Malacon, K., Jahan, et al

2024

- **CHD2 Regulates Neuron-glioma Interactions in Pediatric Glioma.** *Cancer discovery*
  Zhang, X., Duan, S., Apostolou, P. E., Wu, X., Watanabe, J., Gallitto, M., Barron, T., Taylor, K. R., Woo, P. J., Hua, X., Zhou, H., Wei, H. J., McQuillan, et al
  2024

- **A prognostic neural epigenetic signature in high-grade glioma.** *Nature medicine*
  Drexler, R., Khatri, R., Sauvigny, T., Mohme, M., Maire, C. L., Ryba, A., Zghaibeh, Y., Duhrsen, L., Salviano-Silva, A., Lamszus, K., Westphal, M., Gempt, J., Wefers, et al
  2024

- **Engineered CD47 protects T cells for enhanced antitumour immunity.** *Nature*
  Yamada-Hunter, S. A., Theruvath, J., McIntosh, B. J., Freitas, K. A., Lin, F., Radosevich, M. T., Leruste, A., Dhingra, S., Martinez-Velez, N., Xu, P., Huang, J., Delaidelli, A., Desai, et al
  2024

- **Glioma.** *Nature reviews. Disease primers*
  Weller, M., Wen, P. Y., Chang, S. M., Dirven, L., Lim, M., Monje, M., Reifenberger, G.
  2024; 10 (1): 33

- **Next Directions in the Neuroscience of Cancers Arising outside the CNS.** *Cancer discovery*
  Amit, M., Anastasaki, C., Dantzer, R., Demir, I. E., Deneen, B., Dixon, K. O., Egeblad, M., Gibson, E. M., Hervey-Jumper, S. L., Hondermarck, H., Magnon, C., Monje, M., Na'ara, et al
  2024; 14 (4): 669-673

- **The Virtual Child.** *Cancer discovery*
  Gilbertson, R. J., Behjati, S., Böttcher, A. L., Bronner, M. E., Burridge, M., Clausing, H., Clifford, H., Danaher, T., Donovan, L. K., Drost, J., Eggermont, A. M., Emerson, C., Flores, et al
  2024; 14 (4): 663-668

- **Tackling Brain and Muscle Dysfunction in Acute Respiratory Distress Syndrome Survivors: National Heart, Lung, and Blood Institute Workshop Report.** *American journal of respiratory and critical care medicine*
  Palakshappa, J. A., Batt, J. A., Bodine, S. C., Connolly, B. A., Doles, J., Falvey, J. R., Ferrante, L. E., Files, D. C., Harhay, M. O., Harrell, K., Hippensteel, J. A., Iwashyna, T. J., Jackson, et al
  2024

- **Distinguishing features of Long COVID identified through immune profiling.** *Nature*
  Klein, J., Wood, J., Jaycox, J., Dhodapkar, R. M., Lu, P., Gehlhausen, J. R., Tabachnikova, A., Greene, K., Tabacof, L., Malik, A. A., Silva Monteiro, V., Silva, J., Kamath, et al
  2023

- **A combined immunopeptidomics, proteomics, and cell surface proteomics approach to identify immunotherapy targets for diffuse intrinsic pontine glioma.** *Frontiers in oncology*
  Pandey, K., Wang, S. S., Mifsud, N. A., Faridi, P., Davenport, A. J., Webb, A. I., Sandow, J. J., Ayala, R., Monje, M., Cross, R. S., Ramarathinam, S. H., Jenkins, M. R., Purcell, et al
  2023; 13: 1192448

- **Tumors on different wavelengths.** *Cancer cell*
  Shamardani, K., Monje, M.
  2023

- **CAR T cell therapies for diffuse midline glioma.** *Trends in cancer*
  Thomas, B. C., Staudt, D. E., Douglas, A. M., Monje, M., Vitanza, N. A., Dun, M. D.
  2023

- **A Phase I Trial of Panobinostat in Children with Diffuse Intrinsic Pontine Glioma: A Report from the Pediatric Brain Tumor Consortium (PBTC-047).** *Neuro-oncology*
  Monje, M., Cooney, T., Glod, J., Huang, J., Peer, C. J., Faury, D., Baxter, P., Kramer, K., Lenzen, A., Robison, N. J., Kilburn, L., Vinitsky, A., Figg, et al
  2023

- **Remote neuronal activity drives glioma progression through SEMA4F.** *Nature*
  Huang-Hobbs, E., Cheng, Y. T., Ko, Y., Luna-Figueroa, E., Lozzi, B., Taylor, K. R., McDonald, M., He, P., Chen, H. C., Yang, Y., Maleki, E., Lee, Z. F., Murali, et al
  2023

- **Haploinsufficiency of NFKBIA reshapes the epigenome antipodal to the IDH mutation and imparts disease fate in diffuse gliomas.** *Cell reports. Medicine*
  Bredel, M., Espinosa, L., Kim, H., Scholtens, D. M., McElroy, J. P., Rajbhandari, R., Meng, W., Kollmeyer, T. M., Malta, T. M., Quezada, M. A., Harsh, G. R., Lobo-Jarne, T., Sole, et al
  2023; 4 (6): 101082

- **THE LANDSCAPE OF TUMOR CELL STATES AND SPATIAL ORGANIZATION IN H3-K27M MUTANT DIFFUSE MIDLINE GLIOMA ACROSS AGE AND LOCATION**
  Liu, I., Jiang, L., Samuelsson, E., Salas, S., Beck, A., Hack, O., Jeong, D., Shaw, M., Englinger, B., LaBelle, J., Mire, H., Madlener, S., Mayr, et al
  OXFORD UNIV PRESS INC.2023

- **Glioblastoma remodelling of human neural circuits decreases survival.** *Nature*
  Krishna, S., Choudhury, A., Keough, M. B., Seo, K., Ni, L., Kakaizada, S., Lee, A., Aabedi, A., Popova, G., Lipkin, B., Cao, C., Nava Gonzales, C., Sudharshan, et al
  2023

- **Kinase-Modulated Bioluminescent Indicators Enable Noninvasive Imaging of Drug Activity in the Brain.** *ACS central science*
  Wu, Y., Walker, J. R., Westberg, M., Ning, L., Monje, M., Kirkland, T. A., Lin, M. Z., Su, Y.
  2023; 9 (4): 719-732

- **Cancer neuroscience: State of the field, emerging directions.** *Cell*
  Winkler, F., Venkatesh, H. S., Amit, M., Batchelor, T., Demir, I. E., Deneen, B., Gutmann, D. H., Hervey-Jumper, S., Kuner, T., Mabbott, D., Platten, M., Rolls, A., Sloan, et al
  2023; 186 (8): 1689-1707

- **Tumor inflammation-associated neurotoxicity.** *Nature medicine*
  Mahdi, J., Dietrich, J., Straathof, K., Roddie, C., Scott, B. J., Davidson, T. B., Prolo, L. M., Batchelor, T. T., Campen, C. J., Davis, K. L., Gust, J., Lim, M., Majzner, et al
  2023

- **Generation and multi-dimensional profiling of a childhood cancer cell line atlas defines new therapeutic opportunities.** *Cancer cell*
  Sun, C. X., Daniel, P., Bradshaw, G., Shi, H., Loi, M., Chew, N., Parackal, S., Tsui, V., Liang, Y., Koptyra, M., Adjumain, S., Sun, C., Chong, et al
  2023

- **Cancer hallmarks intersect with neuroscience in the tumor microenvironment.** *Cancer cell*
  Hanahan, D., Monje, M.
  2023; 41 (3): 573-580

- **Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with immune effector cell-associated neurotoxicity syndrome (ICANS) following CD19 CAR T-cell therapy for mantle cell lymphoma.** *Journal of neuropathology and experimental neurology*
  Nie, E. H., Ahmadian, S. S., Bharadwaj, S. N., Acosta-Alvarez, L., Threlkeld, Z. D., Frank, M. J., Miklos, D. B., Monje, M., Scott, B. J., Vogel, H.
  2023

- **The landscape of tumor cell states and spatial organization in H3-K27M mutant diffuse midline glioma across age and location.** *Nature genetics*
  Liu, I., Jiang, L., Samuelsson, E. R., Marco Salas, S., Beck, A., Hack, O. A., Jeong, D., Shaw, M. L., Englinger, B., LaBelle, J., Mire, H. M., Madlener, S., Mayr, et al
  2022; 54 (12): 1881-1894

- **Long-Term Cognitive and Neuropsychiatric Outcomes in Adults Who Have Received Chimeric Antigen Receptor T-Cell (CAR-T) Therapy for Aggressive Lymphoma at Stanford - a Pilot Feasibility Study**
  Scott, B. J., Murray, T., Deutsch, G. K., Lahijani, S., Frank, M. J., Monje, M.
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