



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
Neurology

CLINICAL OFFICE (PRIMARY)

- **Division of Child Neurology**

265 Campus Dr Rm G3077

Lokey Stem Cell Bldg

Palo Alto, CA 94305

Tel (650) 497-8953

Fax (650) 724-5824

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, 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

HONORS AND AWARDS

- 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 subservise 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

- GD2 CAR T Cells in Diffuse Intrinsic Pontine Gliomas(DIPG) & Spinal Diffuse Midline Glioma(DMG), Recruiting
- INCB7839 in Treating Children With Recurrent/Progressive High-Grade Gliomas, Recruiting
- Pembrolizumab in Treating Younger Patients With Recurrent, Progressive, or Refractory High-Grade Gliomas, Diffuse Intrinsic Pontine Gliomas, Hypermutated Brain Tumors, Ependymoma or Medulloblastoma, Recruiting
- Testing the Safety and Tolerability of CX-4945 in Patients With Recurrent Medulloblastoma Who May or May Not Have Surgery, Recruiting
- Volitinib in Treating Patients With Recurrent or Refractory Primary CNS Tumors, Recruiting
- A Clinical and Molecular Risk-Directed Therapy for Newly Diagnosed Medulloblastoma, Not Recruiting
- Bevacizumab and Lapatinib in Children With Recurrent or Refractory Ependymoma, Not Recruiting
- Chemotherapy Followed by Radiation Therapy in Treating Younger Patients With Newly Diagnosed Localized Central Nervous System Germ Cell Tumors, Not Recruiting
- FLT-PET Imaging of Brain Tumors in Children, Not Recruiting
- 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 Recruiting
- Methylphenidate HCl or Modafinil in Treating Young Patients With Excessive Daytime Sleepiness After Cancer Therapy, 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
- Phase I Rindopepimut After Conventional Radiation in Children w/ Diffuse Intrinsic Pontine Gliomas, Not Recruiting
- Phase I Study of APX005M in Pediatric CNS Tumors, Not Recruiting
- Selumetinib in Treating Young Patients With Recurrent or Refractory Low Grade Glioma, Not Recruiting
- Trial of Panobinostat in Children With Diffuse Intrinsic Pontine Glioma, Not Recruiting
- Vismodegib in Treating Younger Patients With Recurrent or Refractory Medulloblastoma, Not Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Lehi Acosta-Alvarez, Sol Savchuk

Doctoral Dissertation Reader (AC)

Gustavo Chau Loo Kung, Griffin Hartmann, Weaverly Colleen Lee, Lindsey Mehl, David Wang

Postdoctoral Faculty Sponsor

Tara Barron, JoAnn Buchanan, Richard Drexler, Albina Ibrayeva, Lars Karlsson, Yoon Seok Kim, Minhui Su, Vrunda Trivedi, Haojun Xu

Doctoral Dissertation Advisor (AC)

Lehi Acosta-Alvarez, Lauren Koepke, Karen Malacon, Rebecca Mancusi, Abigail Rogers, Kiarash Shamardani

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

- **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 neuronal activity-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-gliial 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., Pa#ca, 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-?
- **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
- **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., Vinitzky, 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
- **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
- **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.
AMER SOC HEMATOLOGY.2022: 5201-5202
- **Adaptive and maladaptive myelination in health and disease.** *Nature reviews. Neurology*
Knowles, J. K., Batra, A., Xu, H., Monje, M.
2022
- **Microglia states and nomenclature: A field at its crossroads** *NEURON*
Paolicelli, R. C., Sierra, A., Stevens, B., Tremblay, M., Aguzzi, A., Ajami, B., Amit, I., Audinat, E., Bechmann, I., Bennett, M., Bennett, F., Bessis, A., Biber, et al
2022; 110 (21): 3458-3483
- **BAF complex maintains glioma stem cells in pediatric H3K27M-glioma.** *Cancer discovery*
Panditharatna, E., G Marques, J., Wang, T., Trissal, M. C., Liu, I., Jiang, L., Beck, A., Groves, A., Dharia, N. V., Li, D., Hoffman, S. E., Kugener, G., Shaw, et al
2022
- **The neurobiology of long COVID.** *Neuron*
Monje, M., Iwasaki, A.
2022
- **Mini-Review: Aplastic Myelin Following Chemotherapy.** *Neuroscience letters*
Savchuk, S., Monje, M.
2022: 136861
- **Neuron-Glial Interactions in Health and Brain Cancer.** *Advanced biology*
Pan, Y., Monje, M.
2022: e2200122
- **Invasive glioma cells: The malignant pioneers that follow the current.** *Cell*
Taylor, K. R., Monje, M.
2022; 185 (16): 2846-2848
- **Major tumor regressions in H3K27M-mutated diffuse midline glioma (DMG) following sequential intravenous (IV) and intracerebroventricular (ICV) delivery of GD2-CAR T cells**
Majzner, R. G., Mahdi, J., Ramakrishna, S., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Barsan, V., Richards, R., Campen, C., Reschke, A., Toland, A., Baggott, et al
AMER ASSOC CANCER RESEARCH.2022
- **MAJOR TUMOR REGRESSIONS IN H3K27M-MUTATED DIFFUSE MIDLINE GLIOMA (DMG) FOLLOWING SEQUENTIAL INTRAVENOUS (IV) AND INTRACEREBROVENTRICULAR (ICV) DELIVERY OF GD2-CAR T-CELLS**

Monje, M., Majzner, R., Mahdi, J., Ramakrishna, S., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Barsan, V., Richards, R., Campen, C., Reschke, A., Toland, et al

OXFORD UNIV PRESS INC.2022: 20-21

● **A PHASE I TRIAL OF PANOBINOSTAT FOLLOWING RADIATION THERAPY IN CHILDREN WITH DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG) OR H3K27M-MUTATED THALAMIC DIFFUSE MIDLINE GLIOMA (DMG): REPORT FROM THE PEDIATRIC BRAIN TUMOR CONSORTIUM (PBTC-047)**

Monje, M., Cooney, T., Glod, J., Huang, J., Baxter, P., Vinitzky, A., Kilburn, L., Robison, N. J., Peer, C. J., Figg, W. D., Fouladi, M., Fangusaro, J., Onar-Thomas, et al

OXFORD UNIV PRESS INC.2022: 19

● **SIGNIFICANT TUMOR REGRESSION OF H3K27M-MUTATED DIFFUSE MIDLINE GLIOMA OF THE BRAINSTEM WITH PANOBINOSTAT: A CASE REPORT**

Partap, S., Abadilla, N., Farahzadi, T., Monje, M.

OXFORD UNIV PRESS INC.2022: 27

● **Neuronal hyperexcitability drives central and peripheral nervous system tumor progression in models of neurofibromatosis-1.** *Nature communications*

Anastasaki, C., Mo, J., Chen, J., Chatterjee, J., Pan, Y., Scheaffer, S. M., Cobb, O., Monje, M., Le, L. Q., Gutmann, D. H.

2022; 13 (1): 2785

● **H3-K27M-mutant nucleosomes interact with MLL1 to shape the glioma epigenetic landscape.** *Cell reports*

Furth, N., Algranati, D., Dassa, B., Beresh, O., Feduyk, V., Morris, N., Kasper, L. H., Jones, D., Monje, M., Baker, S. J., Shema, E.

2022; 39 (7): 110836

● **Characteristics of Children #36 Months of Age with Diffuse Intrinsic Pontine Glioma (DIPG): A Report from the International DIPG Registry.** *Neuro-oncology*

Bartlett, A., Lane, A., Chaney, B., Escorza, N. Y., Black, K., Cochrane, A., Minturn, J., Bartels, U., Warren, K., Hansford, J., Ziegler, D., Diez, B., Goldman, et al

2022

● **Maladaptive myelination promotes generalized epilepsy progression.** *Nature neuroscience*

Knowles, J. K., Xu, H., Soane, C., Batra, A., Saucedo, T., Frost, E., Tam, L. T., Fraga, D., Ni, L., Villar, K., Talmi, S., Huguenard, J. R., Monje, et al

2022

● **Inhibiting USP16 rescues stem cell aging and memory in an Alzheimer's model.** *eLife*

Reinitz, F., Chen, E. Y., Nicolis di Robilant, B., Chuluun, B., Antony, J., Jones, R. C., Gubbi, N., Lee, K., Ho, W. H., Kolluru, S. S., Qian, D., Adorno, M., Piltti, et al

2022; 11

● **A light-gated transcriptional recorder for detecting cell-cell contacts.** *eLife*

Cho, K. F., Gillespie, S. M., Kalogriopoulos, N. A., Quezada, M. A., Jacko, M., Monje, M., Ting, A. Y.

2022; 11

● **Neural Signaling in Cancer.** *Annual review of neuroscience*

Keough, M. B., Monje, M.

2022

● **Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication.** *Nature medicine*

Theruvath, J., Menard, M., Smith, B. A., Linde, M. H., Coles, G. L., Dalton, G. N., Wu, W., Kiru, L., Delaidelli, A., Sotillo, E., Silberstein, J. L., Geraghty, A. C., Banuelos, et al

1800

● **Characteristics of patients #10 years of age with diffuse intrinsic pontine glioma: a report from the International DIPG/DMG Registry.** *Neuro-oncology*

Erker, C., Lane, A., Chaney, B., Leary, S., Minturn, J. E., Bartels, U., Packer, R. J., Dorris, K., Gottardo, N. G., Warren, K. E., Broniscer, A., Kieran, M. W., Zhu, et al

1800; 24 (1): 141-152

● **Accuracy of Central Neuro-Imaging Review of DIPG Compared with Histopathology in the International DIPG Registry.** *Neuro-oncology*

Lazow, M. A., Fuller, C., DeWire, M., Lane, A., Bandopadhyay, P., Bartels, U., Bouffet, E., Cheng, S., Cohen, K. J., Cooney, T. M., Coven, S. L., Dholaria, H., Diez, et al

2021

- **Patient-derived models recapitulate heterogeneity of molecular signatures and drug response in pediatric high-grade glioma.** *Nature communications*
He, C., Xu, K., Zhu, X., Dunphy, P. S., Gudenas, B., Lin, W., Twarog, N., Hover, L. D., Kwon, C., Kasper, L. H., Zhang, J., Li, X., Dalton, et al
2021; 12 (1): 4089
- **GD2 CAR T cells mediate clinical activity and manageable toxicity in children and young adults with DIPG and H3K27M-mutated diffuse midline gliomas.**
Majzner, R. G., Ramakrishna, S., Mochizuki, A., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Richards, R., Campen, C., Reschke, A., Mahdi, J., Toland, A., Baggott, et al
AMER ASSOC CANCER RESEARCH.2021
- **Unravelling the Mechanisms of Cancer-Related Cognitive Dysfunction in Non-Central Nervous System Cancer.** *JAMA oncology*
Hervey-Jumper, S. L., Monje, M.
2021
- **Partitioned glioma heritability shows subtype-specific enrichment in immune cells.** *Neuro-oncology*
Ostrom, Q. T., Edelson, J., Byun, J., Han, Y., Kinnersley, B., Melin, B., Houlston, R. S., Monje, M., Walsh, K. M., Amos, C. I., Bondy, M. L.
2021
- **Microglia in Cancer Therapy-Related Cognitive Impairment.** *Trends in neurosciences*
Gibson, E. M., Monje, M.
2021
- **Spinal Cord Injury - Healing from Within.** *The New England journal of medicine*
Monje, M. n.
2021; 384 (2): 182–84
- **Microenvironmental interactions of oligodendroglial cells.** *Developmental cell*
Yalçın, B., Monje, M.
2021
- **MRI-based radiomics for prognosis of pediatric diffuse intrinsic pontine glioma: an international study.** *Neuro-oncology advances*
Tam, L. T., Yeom, K. W., Wright, J. N., Jaju, A., Radmanesh, A., Han, M., Toescu, S., Maleki, M., Chen, E., Campion, A., Lai, H. A., Eghbal, A. A., Oztekin, et al
2021; 3 (1): vdab042
- **The bright and the dark side of myelin plasticity: Neuron-glia interactions in health and disease.** *Seminars in cell & developmental biology*
Monje, M., Karadottir, R. T.
2020
- **RESEARCH RESOURCES FOR OLIGODENDROGLIOMA NOW AVAILABLE TO RESEARCH COMMUNITY**
Greene, B., Suva, M., Cahill, D., Monje, M., Rich, J., Mitchell, D., Verhaak, R., Abraham, B.
OXFORD UNIV PRESS INC.2020: 230
- **Pharmacologic inhibition of lysine specific demethylase-1 (LSD1) as a therapeutic and immune-sensitization strategy in pediatric high grade glioma (pHGG).** *Neuro-oncology*
Bailey, C. P., Figueroa, M., Gangadharan, A., Yang, Y., Romero, M. M., Kennis, B. A., Yadavilli, S., Henry, V., Collier, T., Monje, M., Lee, D. A., Wang, L., Nazarian, et al
2020
- **Activity Shapes Neural Circuit Form and Function: A Historical Perspective.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Pan, Y. n., Monje, M. n.
2020; 40 (5): 944–54
- **The Neural Regulation of Cancer** *ANNUAL REVIEW OF CANCER BIOLOGY, VOL 4*
Gillespie, S., Monje, M., Jacks, T., Sawyers, C. L.
2020; 4: 371–90
- **Locoregionally administered B7-H3-targeted CAR T cells for treatment of atypical teratoid/rhabdoid tumors.** *Nature medicine*
Theruvath, J. n., Sotillo, E. n., Mount, C. W., Graef, C. M., Delaidelli, A. n., Heitzeneder, S. n., Labanieh, L. n., Dhingra, S. n., Leruste, A. n., Majzner, R. G., Xu, P. n., Mueller, S. n., Yecies, et al
2020

- **Bespoke myelin tailored to neuron type.** *Science (New York, N.Y.)*
Yalçın, B. n., Monje, M. n.
2020; 370 (6523): 1414–15
- **Synaptic communication in brain cancer.** *Cancer research*
Monje, M. n.
2020
- **Understanding the Deadly Silence of Posterior Fossa A Ependymoma.** *Molecular cell*
Lin, G. L., Monje, M. n.
2020; 78 (6): 999–1001
- **Treating cancer therapy-related cognitive impairment.** *Nature medicine*
Gibson, E. M., Monje, M. n.
2020
- **NCI-CONNECT: Comprehensive Oncology Network Evaluating Rare CNS Tumors-Histone Mutated Midline Glioma Workshop Proceedings.** *Neuro-oncology advances*
Theeler, B. J., Dalal, Y. n., Monje, M. n., Shilatifard, A. n., Suvà, M. L., Aboud, O. n., Camphausen, K. n., Cordova, C. n., Finch, E. n., Heiss, J. D., Packer, R. J., Romo, C. G., Aldape, et al
2020; 2 (1): vdaa007
- **Monosynaptic tracing maps brain-wide afferent oligodendrocyte precursor cell connectivity.** *eLife*
Mount, C. W., Yalcin, B., Cunliffe-Koehler, K., Sundaresh, S., Monje, M.
2019; 8
- **Histone Variant and Cell Context Determine H3K27M Reprogramming of the Enhancer Landscape and Oncogenic State.** *Molecular cell*
Nagaraja, S., Quezada, M. A., Gillespie, S. M., Arzt, M., Lennon, J. J., Woo, P. J., Hovestadt, V., Kambhampati, M., Filbin, M. G., Suva, M. L., Nazarian, J., Monje, M.
2019
- **Diffuse intrinsic pontine glioma: molecular landscape and emerging therapeutic targets.** *Current opinion in oncology*
Aziz-Bose, R., Monje, M.
2019
- **Emerging mechanistic underpinnings and therapeutic targets for chemotherapy-related cognitive impairment.** *Current opinion in oncology*
Gibson, E. M., Monje, M.
2019
- **Comment on "Genetic and genomic alterations differentially dictate low-grade glioma growth through cancer stem cell-specific chemokine recruitment of T cells and microglia", Guo et al. 2019, Neuro-Oncology.** *Neuro-oncology*
Arzt, M., Monje, M.
2019
- **Diffuse Intrinsic Pontine Glioma: From Diagnosis to Next-Generation Clinical Trials.** *Current treatment options in neurology*
Vitanza, N. A., Monje, M.
2019; 21 (8): 37
- **An Integrative Model of Cellular States, Plasticity, and Genetics for Glioblastoma.** *Cell*
Neftel, C., Laffy, J., Filbin, M. G., Hara, T., Shore, M. E., Rahme, G. J., Richman, A. R., Silverbush, D., Shaw, M. L., Hebert, C. M., Dewitt, J., Gritsch, S., Perez, et al
2019
- **The oncolytic virus Delta-24-RGD elicits an antitumor effect in pediatric glioma and DIPG mouse models.** *Nature communications*
Martinez-Velez, N., Garcia-Moure, M., Marigil, M., Gonzalez-Huarriz, M., Puigdellosos, M., Gallego Perez-Larraya, J., Zalacain, M., Marrodan, L., Varela-Guruceaga, M., Laspidea, V., Aristu, J. J., Ramos, L. I., Tejada-Solis, et al
2019; 10 (1): 2235
- **CAR T Cells Targeting B7-H3, a Pan-Cancer Antigen, Demonstrate Potent Preclinical Activity Against Pediatric Solid Tumors and Brain Tumors** *CLINICAL CANCER RESEARCH*

- Majzner, R. G., Theruvath, J. L., Nellan, A., Heitzeneder, S., Cui, Y., Mount, C. W., Rietberg, S. P., Linde, M. H., Xu, P., Rota, C., Sotillo, E., Labanieh, L., Lee, et al
2019; 25 (8): 2560–74
- **Developmental origins and emerging therapeutic opportunities for childhood cancer.** *Nature medicine*
Filbin, M., Monje, M.
2019
 - **Developmental origins and emerging therapeutic opportunities for childhood cancer** *NATURE MEDICINE*
Filbin, M., Monje, M.
2019; 25 (3): 367–76
 - **CAR T cells targeting B7-H3, a Pan-Cancer Antigen, Demonstrate Potent Preclinical Activity Against Pediatric Solid Tumors and Brain Tumors.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Majzner, R. G., Theruvath, J. L., Nellan, A., Heitzeneder, S., Cui, Y., Mount, C. W., Rietberg, S. P., Linde, M. H., Xu, P., Rota, C., Sotillo, E., Labanieh, L., Lee, et al
2019
 - **ALK2 inhibitors display beneficial effects in preclinical models of ACVR1 mutant diffuse intrinsic pontine glioma.** *Communications biology*
Carvalho, D. n., Taylor, K. R., Olaciregui, N. G., Molinari, V. n., Clarke, M. n., Mackay, A. n., Ruddle, R. n., Henley, A. n., Valenti, M. n., Hayes, A. n., Brandon, A. D., Eccles, S. A., Raynaud, et al
2019; 2 (1): 156
 - **c-Jun overexpression in CAR T cells induces exhaustion resistance.** *Nature*
Lynn, R. C., Weber, E. W., Sotillo, E. n., Gennert, D. n., Xu, P. n., Good, Z. n., Anbunathan, H. n., Lattin, J. n., Jones, R. n., Tieu, V. n., Nagaraja, S. n., Granja, J. n., de Bourcy, et al
2019
 - **Therapeutic strategies for diffuse midline glioma from high-throughput combination drug screening.** *Science translational medicine*
Lin, G. L., Wilson, K. M., Cerbelli, M. n., Stanton, B. Z., Woo, P. J., Kreimer, S. n., Qin, E. Y., Zhang, X. n., Lennon, J. n., Nagaraja, S. n., Morris, P. J., Quezada, M. n., Gillespie, et al
2019; 11 (519)
 - **International experience in the development of patient-derived xenograft models of diffuse intrinsic pontine glioma** *JOURNAL OF NEURO-ONCOLOGY*
Tsoli, M., Shen, H., Mayoh, C., Franshaw, L., Ehteda, A., Upton, D., Carvalho, D., Vinci, M., Meel, M. H., van Vuurden, D., Plessier, A., Castel, D., Drissi, et al
2019; 141 (2): 253–63
 - **ALK2 inhibitors display beneficial effects in preclinical models of ACVR1 mutant diffuse intrinsic pontine glioma.** *Communications biology*
Carvalho, D., Taylor, K. R., Olaciregui, N. G., Molinari, V., Clarke, M., Mackay, A., Ruddle, R., Henley, A., Valenti, M., Hayes, A., Brandon, A. D., Eccles, S. A., Raynaud, et al
2019; 2: 156
 - **Disruption of Oligodendrogenesis Impairs Memory Consolidation in Adult Mice.** *Neuron*
Steadman, P. E., Xia, F. n., Ahmed, M. n., Mocle, A. J., Penning, A. R., Geraghty, A. C., Steenland, H. W., Monje, M. n., Josselyn, S. A., Frankland, P. W.
2019
 - **International experience in the development of patient-derived xenograft models of diffuse intrinsic pontine glioma.** *Journal of neuro-oncology*
Tsoli, M., Shen, H., Mayoh, C., Franshaw, L., Ehteda, A., Upton, D., Carvalho, D., Vinci, M., Meel, M. H., van Vuurden, D., Plessier, A., Castel, D., Drissi, et al
2018
 - **Open questions: why are babies rarely born with cancer?** *BMC BIOLOGY*
Monje, M.
2018; 16
 - **Open questions: why are babies rarely born with cancer?** *BMC biology*
Monje, M.
2018; 16 (1): 129
 - **An active role for neurons in glioma progression: making sense of Scherer's structures** *NEURO-ONCOLOGY*
Gillespie, S., Monje, M.
2018; 20 (10): 1292–99

- **Functional diversity and cooperativity between subclonal populations of pediatric glioblastoma and diffuse intrinsic pontine glioma cells** *NATURE MEDICINE*
Vinci, M., Burford, A., Molinari, V., Kessler, K., Popov, S., Clarke, M., Taylor, K. R., Pemberton, H. N., Lord, C. J., Gutteridge, A., Forshew, T., Carvalho, D., Marshall, et al
2018; 24 (8): 1204+
- **Myelin Plasticity and Nervous System Function.** *Annual review of neuroscience*
Monje, M.
2018; 41: 61–76
- **Non-inflammatory tumor microenvironment of diffuse intrinsic pontine glioma.** *Acta neuropathologica communications*
Lin, G. L., Nagaraja, S., Filbin, M. G., Suva, M. L., Vogel, H., Monje, M.
2018; 6 (1): 51
- **Non-inflammatory tumor microenvironment of diffuse intrinsic pontine glioma** *ACTA NEUROPATHOLOGICA COMMUNICATIONS*
Lin, G. L., Nagaraja, S., Filbin, M. G., Suva, M. L., Vogel, H., Monje, M.
2018; 6
- **A PHASE 1 TRIAL OF THE HISTONE DEACETYLASE INHIBITOR PANOBINOSTAT IN PEDIATRIC PATIENTS WITH RECURRENT OR REFRACTORY DIFFUSE INTRINSIC PONTINE GLIOMA: A PEDIATRIC BRAIN TUMOR CONSORTIUM (PBTC) STUDY**
Cooney, T., Onar-Thomas, A., Huang, J., Lulla, R., Fangusaro, J., Kramer, K., Baxter, P., Fouladi, M., Dunkel, I. J., Warren, K. E., Monje, M.
OXFORD UNIV PRESS INC.2018: 53
- **An Active Role for Neurons in Glioma Progression: Making Sense of Scherer's Structures.** *Neuro-oncology*
Gillespie, S., Monje, M.
2018
- **Developmental and oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq** *SCIENCE*
Filbin, M. G., Tirosh, I., Hovestadt, V., Shaw, M. L., Escalante, L. E., Mathewson, N. D., Neftel, C., Frank, N., Pelton, K., Hebert, C., Haberler, C., Yizhak, K., Gojo, et al
2018; 360 (6386): 331–35
- **Bad wrap: Myelin and myelin plasticity in health and disease** *DEVELOPMENTAL NEUROBIOLOGY*
Gibson, E. M., Geraghty, A. C., Monje, M.
2018; 78 (2): 123–35
- **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. n., Arnold, E. P., Kadapakkam, M. n., Haile, S. n., Labanieh, L. n., Hulleman, E. n., Woo, P. J., Rietberg, S. P., Vogel, H. n., Monje, M. n., Mackall, et al
2018
- **Myelin Plasticity and Nervous System Function** *ANNUAL REVIEW OF NEUROSCIENCE, VOL 41*
Monje, M., Roska, B., Zoghbi, H. Y.
2018; 41: 61–76
- **Methotrexate Chemotherapy Induces Persistent Tri-gliial Dysregulation that Underlies Chemotherapy-Related Cognitive Impairment.** *Cell*
Gibson, E. M., Nagaraja, S. n., Ocampo, A. n., Tam, L. T., Wood, L. S., Pallegar, P. N., Greene, J. J., Geraghty, A. C., Goldstein, A. K., Ni, L. n., Woo, P. J., Barres, B. A., Liddelw, et al
2018
- **Neuronal activity in the glioma microenvironment** *CURRENT OPINION IN NEUROBIOLOGY*
Johung, T., Monje, M.
2017; 47: 156–61
- **Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma** *CANCER CELL*
Mackay, A., Burford, A., Carvalho, D., Izquierdo, E., Fazal-Salom, J., Taylor, K. R., Bjerke, L., Clarke, M., Vinci, M., Nandhabalan, M., Temelso, S., Popov, S., Molinari, et al
2017; 32 (4): 520+
- **Contemporary survival endpoints: an International Diffuse Intrinsic Pontine Glioma Registry study** *NEURO-ONCOLOGY*

- Cooney, T., Lane, A., Bartels, U., Bouffet, E., Goldman, S., Leary, S. S., Foreman, N. K., Packer, R. J., Broniscer, A., Minturn, J. E., Shih, C., Chintagumpala, M., Hassall, et al
2017; 19 (9): 1279–80
- **Wrapped to Adapt: Experience-Dependent Myelination** *NEURON*
Mount, C. W., Monje, M.
2017; 95 (4): 743–56
 - **Chemoradiation impairs normal developmental cortical thinning in medulloblastoma.** *Journal of neuro-oncology*
Kundu, P., Li, M. D., Durkee, B. Y., Hiniker, S. M., Bush, K., von Eyben, R., Monje, M. L., Yeom, K. W., Donaldson, S. S., Gibbs, I. C.
2017
 - **Transcriptional Dependencies in Diffuse Intrinsic Pontine Glioma** *CANCER CELL*
Nagaraja, S., Vitanza, N. A., Woo, P. J., Taylor, K. R., Liu, F., Zhang, L., Li, M., Meng, W., Ponnuswami, A., Sun, W., Ma, J., Hulleman, E., Swigut, et al
2017; 31 (5): 635-?
 - **Decoupling genetics, lineages, and microenvironment in IDH-mutant gliomas by single-cell RNA-seq** *SCIENCE*
Venteicher, A. S., Tirosh, I., Hebert, C., Yizhak, K., Neftel, C., Filbin, M. G., Hovestadt, V., Escalante, L. E., Shaw, M. L., Rodman, C., Gillespie, S. M., Dionne, D., Luo, et al
2017; 355 (6332): 1391-?
 - **Disrupting the CD47-SIRP alpha anti-phagocytic axis by a humanized anti-CD47 antibody is an efficacious treatment for malignant pediatric brain tumors** *SCIENCE TRANSLATIONAL MEDICINE*
Gholamin, S., Mitra, S. S., Feroze, A. H., Liu, J., Kahn, S. A., Zhang, M., Esparza, R., Richard, C., Ramaswamy, V., Remke, M., Volkmer, A. K., Willingham, S., Ponnuswami, et al
2017; 9 (381)
 - **A Protocol for Rapid Post-mortem Cell Culture of Diffuse Intrinsic Pontine Glioma (DIPG)** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
Lin, G. L., Monje, M.
2017
 - **Brain Perfusion and Diffusion Abnormalities in Children Treated for Posterior Fossa Brain Tumors.** *journal of pediatrics*
Li, M. D., Forkert, N. D., Kundu, P., Ambler, C., Lober, R. M., Burns, T. C., Barnes, P. D., Gibbs, I. C., Grant, G. A., Fisher, P. G., Cheshier, S. H., Campen, C. J., Monje, et al
2017
 - **Pediatric high-grade glioma: biologically and clinically in need of new thinking** *NEURO-ONCOLOGY*
Jones, C., Karajannis, M. A., Jones, D. T., Kieran, M. W., Monje, M., Baker, S. J., Becher, O. J., Cho, Y., Gupta, N., Hawkins, C., Hargrave, D., Haas-Kogan, D. A., Jabado, et al
2017; 19 (2): 153-161
 - **Neuronal Activity in Ontogeny and Oncology** *TRENDS IN CANCER*
Venkatesh, H., Monje, M.
2017; 3 (2): 89–112
 - **The international diffuse intrinsic pontine glioma registry: an infrastructure to accelerate collaborative research for an orphan disease.** *Journal of neuro-oncology*
Baugh, J., Bartels, U., Leach, J., Jones, B., Chaney, B., Warren, K. E., Kirkendall, J., Doughman, R., Hawkins, C., Miles, L., Fuller, C., Hassall, T., Bouffet, et al
2017
 - **Settling a Nervous Stomach: The Neural Regulation of Enteric Cancer** *CANCER CELL*
Monje, M.
2017; 31 (1): 1–2
 - **Diffuse Intrinsic Pontine Glioma: New Pathophysiological Insights and Emerging Therapeutic Targets** *CURRENT NEUROPHARMACOLOGY*
Johung, T. B., Monje, M.
2017; 15 (1): 88-97
 - **Single-cell RNA-seq supports a developmental hierarchy in human oligodendroglioma.** *Nature*
Tirosh, I., Venteicher, A. S., Hebert, C., Escalante, L. E., Patel, A. P., Yizhak, K., Fisher, J. M., Rodman, C., Mount, C., Filbin, M. G., Neftel, C., Desai, N., Nyman, et al

2016

- **Myelin plasticity in the central nervous system.** *Neuropharmacology*
Purger, D., Gibson, E. M., Monje, M.
2016; 110: 563-573
- **Pediatric high-grade glioma: biologically and clinically in need of new thinking.** *Neuro-oncology*
Jones, C., Karajannis, M. A., Jones, D. T., Kieran, M. W., Monje, M., Baker, S. J., Becher, O. J., Cho, Y., Gupta, N., Hawkins, C., Hargrave, D., Haas-Kogan, D. A., Jabado, et al
2016
- **Neurologic Complications of Oncologic Therapy** *HANDBOOK OF NEURO-ONCOLOGY NEUROIMAGING, 2ND EDITION*
Aurrillaga-Romany, I., Monje, M., Wen, P. Y., Newton, H. B.
2016: 125-42
- **Functionally defined therapeutic targets in diffuse intrinsic pontine glioma** *NATURE MEDICINE*
Grasso, C. S., Tang, Y., Truffaux, N., Berlow, N. E., Liu, L., Debily, M., Quist, M. J., Davis, L. E., Huang, E. C., Woo, P. J., Ponnuswami, A., Chen, S., Johung, et al
2015; 21 (6): 555-559
- **FUNCTIONAL DIVERSITY AND CO-OPERATIVITY OF SUBCLONAL POPULATIONS OF PAEDIATRIC GLIOBLASTOMA AND DIFFUSE INTRINSIC PONTINE GLIOMA CELLS**
Vinci, M., Burford, A., Taylor, K., Molinari, V., Popov, S., Ingram, W., Moore, A., Monje, M., Alonso, M., Pears, J., Entz-Werle, N., de Torres, C., Cruz, et al
OXFORD UNIV PRESS INC.2015: 4
- **SUBVENTRICULAR SPREAD OF DIFFUSE INTRINSIC PONTINE GLIOMA**
Caretti, V., Bugiani, M., Freret, M., Schellen, P., Jansen, M., van Vuurden, D., Kaspers, G., Fisher, P. G., Hulleman, E., Wesseling, P., Vogel, H., Monje, M.
OXFORD UNIV PRESS INC.2014
- **Epigenetic targeting of Hedgehog pathway transcriptional output through BET bromodomain inhibition** *NATURE MEDICINE*
Tang, Y., Gholamin, S., Schubert, S., Willardson, M. I., Lee, A., Bandopadhyay, P., Berghthold, G., Masoud, S., Nguyen, B., Vue, N., Balansay, B., Yu, F., Oh, et al
2014; 20 (7): 732-740
- **Epigenetic targeting of Hedgehog pathway transcriptional output through BET bromodomain inhibition.** *Nature medicine*
Tang, Y., Gholamin, S., Schubert, S., Willardson, M. I., Lee, A., Bandopadhyay, P., Berghthold, G., Masoud, S., Nguyen, B., Vue, N., Balansay, B., Yu, F., Oh, et al
2014; 20 (7): 732-740
- **Human pontine glioma cells can induce murine tumors.** *Acta neuropathologica*
Caretti, V., Sewing, A. C., Lagerweij, T., Schellen, P., Bugiani, M., Jansen, M. H., van Vuurden, D. G., Navis, A. C., Horsman, I., Vandertop, W. P., Noske, D. P., Wesseling, P., Kaspers, et al
2014; 127 (6): 897-909
- **Recurrent activating ACVR1 mutations in diffuse intrinsic pontine glioma** *NATURE GENETICS*
Taylor, K. R., Mackay, A., Truffaux, N., Butterfield, Y. S., Morozova, O., Philippe, C., Castel, D., Grasso, C. S., Vinci, M., Carvalho, D., Carcaboso, A. M., de Torres, C., Cruz, et al
2014; 46 (5): 457-461
- **Diffusion-weighted MRI derived apparent diffusion coefficient identifies prognostically distinct subgroups of pediatric diffuse intrinsic pontine glioma.** *Journal of neuro-oncology*
Lober, R. M., Cho, Y., Tang, Y., Barnes, P. D., Edwards, M. S., Vogel, H., Fisher, P. G., Monje, M., Yeom, K. W.
2014; 117 (1): 175-182
- **Subventricular spread of diffuse intrinsic pontine glioma.** *Acta neuropathologica*
Caretti, V. n., Bugiani, M. n., Freret, M. n., Schellen, P. n., Jansen, M. n., van Vuurden, D. n., Kaspers, G. n., Fisher, P. G., Hulleman, E. n., Wesseling, P. n., Vogel, H. n., Monje, M. n.
2014
- **Reduced H3K27me3 and DNA Hypomethylation Are Major Drivers of Gene Expression in K27M Mutant Pediatric High-Grade Gliomas.** *Cancer cell*
Bender, S., Tang, Y., Lindroth, A. M., Hovestadt, V., Jones, D. T., Kool, M., Zapatka, M., Northcott, P. A., Sturm, D., Wang, W., Radlwimmer, B., Højfeldt, J. W., Truffaux, et al

2013; 24 (5): 660-672

- **Functional and structural differences in the hippocampus associated with memory deficits in adult survivors of acute lymphoblastic leukemia** *PEDIATRIC BLOOD & CANCER*
Monje, M., Thomason, M. E., Rigolo, L., Wang, Y., Waber, D. P., Sallan, S. E., Golby, A. J.
2013; 60 (2): 293-300
- **Effect of cancer therapy on neural stem cells: implications for cognitive function** *CURRENT OPINION IN ONCOLOGY*
Gibson, E., Monje, M.
2012; 24 (6): 672-678
- **Cognitive side effects of cancer therapy demonstrate a functional role for adult neurogenesis** *BEHAVIOURAL BRAIN RESEARCH*
Monje, M., Dietrich, J.
2012; 227 (2): 376-379
- **Complete Ocular Paresis in a Child with Posterior Fossa Syndrome** *PEDIATRIC NEUROSURGERY*
Afshar, M., Link, M., Edwards, M. S., Fisher, P. G., Fredrick, D., Monje, M.
2012; 48 (1): 51-54
- **Cellular Mechanisms of Radiation Injury to Cognition** *NEUROLOGIC COMPLICATIONS OF CANCER THERAPY*
Monje, M., Wen, P. Y., Schiff, D., Lee, E. Q.
2012: 291-99
- **Hedgehogs, Flies, Wnts and MYCs: The Time Has Come for Many Things in Medulloblastoma** *JOURNAL OF CLINICAL ONCOLOGY*
Monje, M., Beachy, P. A., Fisher, P. G.
2011; 29 (11): 1395-1398
- **Hedgehog-responsive candidate cell of origin for diffuse intrinsic pontine glioma** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Monje, M., Mitra, S. S., Freret, M. E., Raveh, T. B., Kim, J., Masek, M., Attema, J. L., Li, G., Haddix, T., Edwards, M. S., Fisher, P. G., Weissman, I. L., Rowitch, et al
2011; 108 (11): 4453-4458
- **Neurological complications following treatment of children with brain tumors.** *Journal of pediatric rehabilitation medicine*
Monje, M., Fisher, P. G.
2011; 4 (1): 31-36
- **Clinical Patterns and Biological Correlates of Cognitive Dysfunction Associated with Cancer Therapy** *ONCOLOGIST*
Dietrich, J., Monje, M., Wefel, J., Meyers, C.
2008; 13 (12): 1285-1295
- **CRANIAL RADIATION THERAPY AND DAMAGE TO HIPPOCAMPAL NEUROGENESIS** *DEVELOPMENTAL DISABILITIES RESEARCH REVIEWS*
Monje, M.
2008; 14 (3): 238-242
- **Impaired human hippocampal neurogenesis after treatment for central nervous system** *ANNALS OF NEUROLOGY*
Monje, M. L., Vogel, H., Masek, M., Ligon, K. L., Fisher, P. G., Palmer, T. D.
2007; 62 (5): 515-520
- **Excitation-neurogenesis coupling in adult neural stem/progenitor cells** *NEURON*
Deisseroth, K., Singla, S., Toda, H., Monje, M., Palmer, T. D., Malenka, R. C.
2004; 42 (4): 535-552
- **Inflammatory blockade restores adult hippocampal neurogenesis** *SCIENCE*
Monje, M. L., Toda, H., Palmer, T. D.
2003; 302 (5651): 1760-1765
- **Extreme sensitivity of adult neurogenesis to low doses of X-irradiation** *CANCER RESEARCH*
Mizumatsu, S., Monje, M. L., Morhardt, D. R., Rola, R., Palmer, T. D., Fike, J. R.
2003; 63 (14): 4021-4027

- **Radiation injury and neurogenesis** *CURRENT OPINION IN NEUROLOGY*
Monje, M. L., Palmer, T.
2003; 16 (2): 129-134
- **Irradiation induces neural precursor-cell dysfunction** *NATURE MEDICINE*
Monje, M. L., Mizumatsu, S., Fike, J. R., Palmer, T. D.
2002; 8 (9): 955-962