

Michelle Monje

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116
papers

9,982
citations

48
h-index

99
g-index

135
ext. papers

14,104
ext. citations

16
avg, IF

6.34
L-index

#	Paper	IF	Citations
116	Neuronal activity promotes oligodendrogenesis and adaptive myelination in the mammalian brain. <i>Science</i> , 2014 , 344, 1252304	33.3	744
115	Single-cell RNA-seq supports a developmental hierarchy in human oligodendroglioma. <i>Nature</i> , 2016 , 539, 309-313	50.4	561
114	An Integrative Model of Cellular States, Plasticity, and Genetics for Glioblastoma. <i>Cell</i> , 2019 , 178, 835-849.e21	46.21	556
113	Excitation-neurogenesis coupling in adult neural stem/progenitor cells. <i>Neuron</i> , 2004 , 42, 535-52	13.9	524
112	Reduced H3K27me3 and DNA hypomethylation are major drivers of gene expression in K27M mutant pediatric high-grade gliomas. <i>Cancer Cell</i> , 2013 , 24, 660-72	24.3	478
111	Decoupling genetics, lineages, and microenvironment in IDH-mutant gliomas by single-cell RNA-seq. <i>Science</i> , 2017 , 355,	33.3	455
110	Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. <i>Cancer Cell</i> , 2017 , 32, 520-537.e5	24.3	423
109	Recurrent activating ACVR1 mutations in diffuse intrinsic pontine glioma. <i>Nature Genetics</i> , 2014 , 46, 457-461	34.0	340
108	Functionally defined therapeutic targets in diffuse intrinsic pontine glioma. <i>Nature Medicine</i> , 2015 , 21, 555-9	50.5	319
107	Neuronal Activity Promotes Glioma Growth through Neuroligin-3 Secretion. <i>Cell</i> , 2015 , 161, 803-16	56.2	314
106	Electrical and synaptic integration of glioma into neural circuits. <i>Nature</i> , 2019 , 573, 539-545	50.4	303
105	Developmental and oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. <i>Science</i> , 2018 , 360, 331-335	33.3	255
104	Clinical patterns and biological correlates of cognitive dysfunction associated with cancer therapy. <i>Oncologist</i> , 2008 , 13, 1285-95	5.7	243
103	c-Jun overexpression in CAR T cells induces exhaustion resistance. <i>Nature</i> , 2019 , 576, 293-300	50.4	221
102	Epigenetic targeting of Hedgehog pathway transcriptional output through BET bromodomain inhibition. <i>Nature Medicine</i> , 2014 , 20, 732-40	50.5	213
101	CAR T Cells Targeting B7-H3, a Pan-Cancer Antigen, Demonstrate Potent Preclinical Activity Against Pediatric Solid Tumors and Brain Tumors. <i>Clinical Cancer Research</i> , 2019 , 25, 2560-2574	12.9	196
100	Hedgehog-responsive candidate cell of origin for diffuse intrinsic pontine glioma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4453-8	11.5	194

99	Potent antitumor efficacy of anti-GD2 CAR T cells in H3-K27M diffuse midline gliomas. <i>Nature Medicine</i> , 2018 , 24, 572-579	50.5	189
98	Targeting neuronal activity-regulated neuroligin-3 dependency in high-grade glioma. <i>Nature</i> , 2017 , 549, 533-537	50.4	185
97	Disrupting the CD47-SIRPα anti-phagocytic axis by a humanized anti-CD47 antibody is an efficacious treatment for malignant pediatric brain tumors. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	179
96	Transcriptional Dependencies in Diffuse Intrinsic Pontine Glioma. <i>Cancer Cell</i> , 2017 , 31, 635-652.e6	24.3	177
95	Cognitive side effects of cancer therapy demonstrate a functional role for adult neurogenesis. <i>Behavioural Brain Research</i> , 2012 , 227, 376-9	3.4	147
94	Methotrexate Chemotherapy Induces Persistent Tri-gliial Dysregulation that Underlies Chemotherapy-Related Cognitive Impairment. <i>Cell</i> , 2019 , 176, 43-55.e13	56.2	132
93	Pediatric high-grade glioma: biologically and clinically in need of new thinking. <i>Neuro-Oncology</i> , 2017 , 19, 153-161	1	125
92	Disruption of Oligodendrogenesis Impairs Memory Consolidation in Adult Mice. <i>Neuron</i> , 2020 , 105, 150-164.e6	19.9	124
91	Wrapped to Adapt: Experience-Dependent Myelination. <i>Neuron</i> , 2017 , 95, 743-756	13.9	110
90	Neural Precursor-Derived Pleiotrophin Mediates Subventricular Zone Invasion by Glioma. <i>Cell</i> , 2017 , 170, 845-859.e19	56.2	98
89	Loss of Adaptive Myelination Contributes to Methotrexate Chemotherapy-Related Cognitive Impairment. <i>Neuron</i> , 2019 , 103, 250-265.e8	13.9	95
88	Myelin Plasticity and Nervous System Function. <i>Annual Review of Neuroscience</i> , 2018 , 41, 61-76	17	90
87	Functional diversity and cooperativity between subclonal populations of pediatric glioblastoma and diffuse intrinsic pontine glioma cells. <i>Nature Medicine</i> , 2018 , 24, 1204-1215	50.5	79
86	ME-04 * SUBVENTRICULAR SPREAD OF DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , 2014 , 16, v120-v120	1	78
85	PTPS-24MECHANISMS OF DIFFUSE INTRINSIC PONTINE GLIOMA METASTASIS TO THE SUBVENTRICULAR ZONE. <i>Neuro-Oncology</i> , 2015 , 17, v184.3-v184	1	78
84	DIPG-32. AKT SIGNALING DRIVES RESISTANCE TO ONC201 IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020 , 22, iii293-iii293	1	78
83	HGG-06. EARLY GABAERGIC NEURONAL LINEAGE DEFINES DEPENDENCIES IN HISTONE H3 G34R/V GLIOMA. <i>Neuro-Oncology</i> , 2021 , 23, i18-i18	1	78
82	TMIC-46. GLIOMA-INDUCED SYNAPTOGENESIS IS ENRICHED WITHIN FUNCTIONAL CONNECTIVITY NETWORK HUBS AND INFLUENCES LANGUAGE PROCESSING IN ADULT IDH WT GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019 , 21, vi257-vi258	1	78

81	Locoregionally administered B7-H3-targeted CAR T cells for treatment of atypical teratoid/rhabdoid tumors. <i>Nature Medicine</i> , 2020 , 26, 712-719	50.5	74
80	Cranial radiation therapy and damage to hippocampal neurogenesis. <i>Developmental Disabilities Research Reviews</i> , 2008 , 14, 238-42		72
79	Myelin plasticity in the central nervous system. <i>Neuropharmacology</i> , 2016 , 110, 563-573	5.5	71
78	Roadmap for the Emerging Field of Cancer Neuroscience. <i>Cell</i> , 2020 , 181, 219-222	56.2	68
77	Therapeutic strategies for diffuse midline glioma from high-throughput combination drug screening. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	64
76	Non-inflammatory tumor microenvironment of diffuse intrinsic pontine glioma. <i>Acta Neuropathologica Communications</i> , 2018 , 6, 51	7.3	55
75	The oncolytic virus Delta-24-RGD elicits an antitumor effect in pediatric glioma and DIPG mouse models. <i>Nature Communications</i> , 2019 , 10, 2235	17.4	54
74	Subventricular spread of diffuse intrinsic pontine glioma. <i>Acta Neuropathologica</i> , 2014 , 128, 605-7	14.3	52
73	Developmental origins and emerging therapeutic opportunities for childhood cancer. <i>Nature Medicine</i> , 2019 , 25, 367-376	50.5	51
72	Human pontine glioma cells can induce murine tumors. <i>Acta Neuropathologica</i> , 2014 , 127, 897-909	14.3	51
71	Diffuse Intrinsic Pontine Glioma: New Pathophysiological Insights and Emerging Therapeutic Targets. <i>Current Neuropharmacology</i> , 2017 , 15, 88-97	7.6	50
70	Histone Variant and Cell Context Determine H3K27M Reprogramming of the Enhancer Landscape and Oncogenic State. <i>Molecular Cell</i> , 2019 , 76, 965-980.e12	17.6	49
69	Neuronal Activity in Ontogeny and Oncology. <i>Trends in Cancer</i> , 2017 , 3, 89-112	12.5	46
68	Contemporary survival endpoints: an International Diffuse Intrinsic Pontine Glioma Registry study. <i>Neuro-Oncology</i> , 2017 , 19, 1279-1280	1	43
67	Bad wrap: Myelin and myelin plasticity in health and disease. <i>Developmental Neurobiology</i> , 2018 , 78, 1233-125	3.5	39
66	CRISPRi-based radiation modifier screen identifies long non-coding RNA therapeutic targets in glioma. <i>Genome Biology</i> , 2020 , 21, 83	18.3	39
65	Functional and structural differences in the hippocampus associated with memory deficits in adult survivors of acute lymphoblastic leukemia. <i>Pediatric Blood and Cancer</i> , 2013 , 60, 293-300	3	38
64	ALK2 inhibitors display beneficial effects in preclinical models of mutant diffuse intrinsic pontine glioma. <i>Communications Biology</i> , 2019 , 2, 156	6.7	35

63	Diffuse Intrinsic Pontine Glioma: From Diagnosis to Next-Generation Clinical Trials. <i>Current Treatment Options in Neurology</i> , 2019 , 21, 37	4.4	32
62	GD2-CAR T cell therapy for H3K27M-mutated diffuse midline gliomas.. <i>Nature</i> , 2022 ,	50.4	31
61	An active role for neurons in glioma progression: making sense of Scherer's structures. <i>Neuro-Oncology</i> , 2018 , 20, 1292-1299	1	30
60	Settling a Nervous Stomach: The Neural Regulation of Enteric Cancer. <i>Cancer Cell</i> , 2017 , 31, 1-2	24.3	25
59	A Protocol for Rapid Post-mortem Cell Culture of Diffuse Intrinsic Pontine Glioma (DIPG). <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	24
58	Neuronal activity in the glioma microenvironment. <i>Current Opinion in Neurobiology</i> , 2017 , 47, 156-161	7.6	24
57	The international diffuse intrinsic pontine glioma registry: an infrastructure to accelerate collaborative research for an orphan disease. <i>Journal of Neuro-Oncology</i> , 2017 , 132, 323-331	4.8	19
56	Diffuse intrinsic pontine glioma: molecular landscape and emerging therapeutic targets. <i>Current Opinion in Oncology</i> , 2019 , 31, 522-530	4.2	19
55	International experience in the development of patient-derived xenograft models of diffuse intrinsic pontine glioma. <i>Journal of Neuro-Oncology</i> , 2019 , 141, 253-263	4.8	19
54	Pharmacologic inhibition of lysine-specific demethylase 1 as a therapeutic and immune-sensitization strategy in pediatric high-grade glioma. <i>Neuro-Oncology</i> , 2020 , 22, 1302-1314	1	16
53	Monosynaptic tracing maps brain-wide afferent oligodendrocyte precursor cell connectivity. <i>ELife</i> , 2019 , 8,	8.9	16
52	Brain Perfusion and Diffusion Abnormalities in Children Treated for Posterior Fossa Brain Tumors. <i>Journal of Pediatrics</i> , 2017 , 185, 173-180.e3	3.6	15
51	Emerging mechanistic underpinnings and therapeutic targets for chemotherapy-related cognitive impairment. <i>Current Opinion in Oncology</i> , 2019 , 31, 531-539	4.2	15
50	Activity Shapes Neural Circuit Form and Function: A Historical Perspective. <i>Journal of Neuroscience</i> , 2020 , 40, 944-954	6.6	14
49	Neurological complications following treatment of children with brain tumors. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2011 , 4, 31-6	1.4	14
48	Mild respiratory SARS-CoV-2 infection can cause multi-lineage cellular dysregulation and myelin loss in the brain. 2022 ,		13
47	NF1 mutation drives neuronal activity-dependent initiation of optic glioma. <i>Nature</i> , 2021 , 594, 277-282	50.4	13
46	Synaptic Communication in Brain Cancer. <i>Cancer Research</i> , 2020 , 80, 2979-2982	10.1	10

45	CD58 Aberrations Limit Durable Responses to CD19 CAR in Large B Cell Lymphoma Patients Treated with Axicabtagene Ciloleucel but Can be Overcome through Novel CAR Engineering. <i>Blood</i> , 2020 , 136, 53-54	2.2	10
44	Senescence Induced by BMI1 Inhibition Is a Therapeutic Vulnerability in H3K27M-Mutant DIPG. <i>Cell Reports</i> , 2020 , 33, 108286	10.6	10
43	DIPG-22. 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. <i>Neuro-Oncology</i> , 2018 , 20, i53-i53	1	8
42	Microglia in Cancer Therapy-Related Cognitive Impairment. <i>Trends in Neurosciences</i> , 2021 , 44, 441-451	13.3	7
41	Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication.. <i>Nature Medicine</i> , 2022 ,	50.5	6
40	The Neural Regulation of Cancer. <i>Annual Review of Cancer Biology</i> , 2020 , 4, 371-390	13.3	6
39	Open questions: why are babies rarely born with cancer?. <i>BMC Biology</i> , 2018 , 16, 129	7.3	6
38	EPCT-14. GD2 CAR T-CELLS MEDIATE CLINICAL ACTIVITY AND MANAGEABLE TOXICITY IN CHILDREN AND YOUNG ADULTS WITH H3K27M-MUTATED DIPG AND SPINAL CORD DMG. <i>Neuro-Oncology</i> , 2021 , 23, i49-i50	1	5
37	Partitioned glioma heritability shows subtype-specific enrichment in immune cells. <i>Neuro-Oncology</i> , 2021 , 23, 1304-1314	1	4
36	TERT and DNMT1 expression predict sensitivity to decitabine in gliomas. <i>Neuro-Oncology</i> , 2021 , 23, 76-87		4
35	Glioblastoma remodeling of neural circuits in the human brain decreases survival		4
34	Maladaptive myelination promotes generalized epilepsy progression.. <i>Nature Neuroscience</i> , 2022 ,	25.5	4
33	Understanding the Deadly Silence of Posterior Fossa A Ependymoma. <i>Molecular Cell</i> , 2020 , 78, 999-1001	17.6	3
32	Patient-derived models recapitulate heterogeneity of molecular signatures and drug response in pediatric high-grade glioma. <i>Nature Communications</i> , 2021 , 12, 4089	17.4	3
31	MRI-based radiomics for prognosis of pediatric diffuse intrinsic pontine glioma: an international study. <i>Neuro-Oncology Advances</i> , 2021 , 3, vdab042	0.9	3
30	Maladaptive myelination promotes epileptogenesis in absence epilepsy		2
29	The bright and the dark side of myelin plasticity: Neuron-glia interactions in health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2021 , 116, 10-15	7.5	2
28	Treating cancer therapy-related cognitive impairment. <i>Nature Medicine</i> , 2020 , 26, 1174-1175	50.5	2

27	NCI-CONNECT: Comprehensive Oncology Network Evaluating Rare CNS Tumors-Histone Mutated Midline Glioma Workshop Proceedings. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa007	0.9	2
26	IMMU-19. LSD1 MODULATES NK CELL IMMUNOTHERAPY THROUGH AN ONCO-IMMUNOGENIC GENE SIGNATURE IN DIPG. <i>Neuro-Oncology</i> , 2018 , 20, i102-i102	1	2
25	Microenvironmental interactions of oligodendroglial cells. <i>Developmental Cell</i> , 2021 , 56, 1821-1832	10.2	2
24	DIPG-03. TARGETING PI3K USING THE BLOOD BRAIN BARRIER PENETRABLE INHIBITOR, GDC-0084, FOR THE TREATMENT OF DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2019 , 21, ii68-ii68	1	1
23	HGG-22. TARGETING NEURONAL ACTIVITY-REGULATED NEUROLIGIN-3 DEPENDENCY FOR HIGH-GRADE GLIOMA THERAPY. <i>Neuro-Oncology</i> , 2017 , 19, iv27-iv27	1	1
22	BT-02 * FUNCTIONALLY-DEFINED THERAPEUTIC TARGETS IN DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , 2015 , 17, iii3-iii3	1	1
21	Patient-Derived Orthotopic Xenografts and Cell Lines from Pediatric High-Grade Glioma Recapitulate the Heterogeneity of Histopathology, Molecular Signatures, and Drug Response		1
20	A comparative study of brain tumor cells from different age and anatomical locations using 3D biomimetic hydrogels. <i>Acta Biomaterialia</i> , 2020 , 116, 201-208	10.8	1
19	Characteristics of Patients \geq 10 Years of Age with Diffuse Intrinsic Pontine Glioma: A Report from the International DIPG Registry. <i>Neuro-Oncology</i> , 2021 ,	1	1
18	DIPG-41. IDENTIFICATION OF BIRC5 AS A NOVEL THERAPEUTIC TARGET FOR DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , 2018 , 20, i57-i57	1	1
17	DIPG-69. CHARACTERISTICS OF PATIENTS \geq 10 YEARS OF AGE WITH DIFFUSE INTRINSIC PONTINE GLIOMA: A REPORT FROM THE INTERNATIONAL DIPG REGISTRY. <i>Neuro-Oncology</i> , 2018 , 20, i63-i63	1	1
16	Unravelling the Mechanisms of Cancer-Related Cognitive Dysfunction in Non-Central Nervous System Cancer. <i>JAMA Oncology</i> , 2021 , 7, 1311-1312	13.4	1
15	Neuronal hyperexcitability drives central and peripheral nervous system tumor progression in models of neurofibromatosis-1.. <i>Nature Communications</i> , 2022 , 13, 2785	17.4	1
14	Pediatric Brain Tumors. <i>CONTINUUM Lifelong Learning in Neurology</i> , 2020 , 26, 1553-1583	3	0
13	Bespoke myelin tailored to neuron type. <i>Science</i> , 2020 , 370, 1414-1415	33.3	0
12	DIPG-29. PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE 3-KINASE (PI3K) INHIBITION DRIVES PROTEIN KINASE C ACTIVATION (PKC) IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020 , 22, iii292-iii293	1	0
11	Neurologic Complications of Oncologic Therapy 2016 , 125-142		0
10	H3-K27M-mutant nucleosomes interact with MLL1 to shape the glioma epigenetic landscape.. <i>Cell Reports</i> , 2022 , 39, 110836	10.6	0

9	Inflaming glioma growth. <i>Neuro-Oncology</i> , 2019 , 21, 1213-1214	1
8	EXTH-67. PHARMACOLOGIC INHIBITION OF LYSINE SPECIFIC DEMETHYLASE-1 (LSD1) AS AN ADJUVANT IMMUNE-SENSITIZATION STRATEGY IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020 , 22, ii102-ii102	1
7	EXTH-37. TARGETING EPIGENETIC VULNERABILITIES IDENTIFIED FROM A CRISPR SCREEN IN H3.3K27M DIPG. <i>Neuro-Oncology</i> , 2020 , 22, ii95-ii95	1
6	NIMG-31. NON-DIPG PATIENTS ENROLLED IN THE INTERNATIONAL DIPG REGISTRY: HISTOPATHOLOGIC EVALUATION OF CENTRAL NEURO-IMAGING REVIEW. <i>Neuro-Oncology</i> , 2020 , 22, ii154-ii154	1
5	IMMU-55. GD2 IS A MACROPHAGE CHECKPOINT MOLECULE AND COMBINED GD2/CD47 BLOCKADE RESULTS IN SYNERGISTIC EFFECTS AGAINST GD2 POSITIVE MALIGNANCIES. <i>Neuro-Oncology</i> , 2020 , 22, ii116-ii116	1
4	TMOD-13. RESEARCH RESOURCES FOR OLIGODENDROGLIOMA NOW AVAILABLE TO RESEARCH COMMUNITY. <i>Neuro-Oncology</i> , 2020 , 22, ii230-ii230	1
3	EPCO-26. PROJECT HOPE: PEDIATRIC AND AYA HIGH-GRADE GLIOMA OMICS PROJECT: A LONGITUDINAL MOLECULAR LANDSCAPE OF HIGH-GRADE GLIOMAS RESOLVED AT SINGLE-CELL LEVEL. <i>Neuro-Oncology</i> , 2020 , 22, ii74-ii75	1
2	TAMI-21. MALIGNANT GLIOMAS REMODEL FUNCTIONAL NEURAL CIRCUITS THROUGH PARACRINE SIGNALING WHICH CONFERS A NEGATIVE PROGNOSIS. <i>Neuro-Oncology</i> , 2020 , 22, ii217-ii218	1
1	MODL-17. The Childhood Brain Cancer Cell Line Atlas: A Resource for Biomarker Identification and Therapeutic Development. <i>Neuro-Oncology</i> , 2022 , 24, i172-i172	1