

2021 Publications

Tumour

Human Endogenous Retrovirus Type K Promotes Proliferation and Confers Sensitivity to Antiretroviral Drugs in Merlin-Negative Schwannoma and Meningioma. Maze EA, Agit B, Reeves S, Hilton DA, Parkinson DB, Laraba L, Ercolano E, Kurian KM, Hanemann CO, Belshaw RD, Ammoun S. *Cancer Res.* 2022 Jan 15;82(2):235-247. doi: [10.1158/0008-5472.CAN-20-3857](https://doi.org/10.1158/0008-5472.CAN-20-3857). Epub 2021 Dec 1. PMID: [34853069](https://pubmed.ncbi.nlm.nih.gov/34853069/).

Advanced Molecular Characterization Using Digital Spatial Profiling Technology on Immunooncology Targets in Methylated Compared with Unmethylated IDH-Wildtype Glioblastoma. Barber H, Tofias A, Lander B, Daniels A, Gong J, Ren Y, Ren X, Liang Y, White P, Kurian KM. *J Oncol.* 2021 Feb 24;2021:8819702. doi: [10.1155/2021/8819702](https://doi.org/10.1155/2021/8819702). PMID: [33995529](https://pubmed.ncbi.nlm.nih.gov/33995529/); PMCID: [PMC8096575](https://pubmed.ncbi.nlm.nih.gov/PMC8096575/).

Biomarkers for differentiating grade II meningiomas from grade I: a systematic review. Sofela AA, McGavin L, Whitfield PC, Hanemann CO. *Br J Neurosurg.* 2021 Jun 21:1-7. doi: [10.1080/02688697.2021.1940853](https://doi.org/10.1080/02688697.2021.1940853). Epub ahead of print. PMID: [34148477](https://pubmed.ncbi.nlm.nih.gov/34148477/).

Fibulin-2: A Novel Biomarker for Differentiating Grade II from Grade I Meningiomas. Sofela AA, Hilton DA, Ammoun S, Baiz D, Adams CL, Ercolano E, Jenkinson MD, Kurian KM, Teo M, Whitfield PC, Sahm F, Hanemann CO. *Int J Mol Sci.* 2021 Jan 8;22(2):560. doi: [10.3390/ijms22020560](https://doi.org/10.3390/ijms22020560). PMID: [33429944](https://pubmed.ncbi.nlm.nih.gov/33429944/); PMCID: [PMC7827565](https://pubmed.ncbi.nlm.nih.gov/PMC7827565/).

Prevalence of BRAFV600 in glioma and use of BRAF Inhibitors in patients with BRAFV600 mutation-positive glioma: systematic review. Andrews LJ, Thornton ZA, Saincher SS, Yao IY, Dawson S, McGuinness LA, Jones HE, Jefferies S, Short SC, Cheng HY, McAleenan A, Higgins JPT, Kurian KM. *Neuro Oncol.* 2021 Oct 28;noab247. doi: [10.1093/neuonc/noab247](https://doi.org/10.1093/neuonc/noab247). Epub ahead of print. PMID: [34718782](https://pubmed.ncbi.nlm.nih.gov/34718782/).

Distinct DNA Methylation Patterns of Subependymal Giant Cell Astrocytomas in Tuberous Sclerosis Complex. Bongaarts A, Mijnsbergen C, Anink JJ, Jansen FE, Spliet WGM, den Dunnen WFA, Coras R, Blümcke I, Paulus W, Gruber VE, Scholl T, Hainfellner JA, Feucht M, Kotulska K, Jozwiak S, Grajkowska W, Buccoliero AM, Caporalini C, Giordano F, Genitori L, Söylemezoğlu F, Pimentel J, Jones DTW, Scicluna BP, Schouten-van Meeteren AYN, Mühlebner A, Mills JD, Aronica E. *Cell Mol Neurobiol.* 2021 Oct 28. doi: [10.1007/s10571-021-01157-5](https://doi.org/10.1007/s10571-021-01157-5). Epub ahead of print. PMID: [34709498](https://pubmed.ncbi.nlm.nih.gov/34709498/).

A rare case of paediatric astroblastoma with concomitant MN1-GTSE1 and EWSR1-PATZ1 gene fusions altering management. Chadda KR, Holland K, Scoffings D, Dean A, Pickles JC, Behjati S, Jacques TS, Trotman J, Tarpey P, Allinson K, Murray MJ; Genomics England Research Consortium. *Neuropathol Appl Neurobiol.* 2021 Feb 3. doi: [10.1111/nan.12701](https://doi.org/10.1111/nan.12701). Epub ahead of print. PMID: [33534137](https://pubmed.ncbi.nlm.nih.gov/33534137/).

Emergence and maintenance of actionable genetic drivers at medulloblastoma relapse. Richardson S, Hill RM, Kui C, Lindsey JC, Grabovksa Y, Keeling C, Pease L, Bashton M, Crosier S, Vinci M, André N, Figarella-Branger D, Hansford JR, Lastowska M, Zakrzewski K, Jorgensen M, Pickles JC, Taylor MD, Pfister SM, Wharton SB, Pizer B, Michalski A, Joshi A, Jacques TS, Hicks D, Schwalbe EC, Williamson D, Ramaswamy V, Bailey S, Clifford SC. *Neuro Oncol.* 2021 Jul 17;noab178. doi: [10.1093/neuonc/noab178](https://doi.org/10.1093/neuonc/noab178). Epub ahead of print. PMID: [34272868](https://pubmed.ncbi.nlm.nih.gov/34272868/).

Therapeutic implications of improved molecular diagnostics for rare CNS embryonal tumor entities: results of an international, retrospective study. von Hoff K, Haberler C, Schmitt-Hoffner F, Schepke E, de Rojas T, Jacobs S, Zapotocky M, Sumerauer D, Perek-Polnik M, Dufour C, van Vuurden D, Slavc I, Gojo J, Pickles JC, Gerber NU, Massimino M, Gil-da-Costa MJ, Garami M, Kumirova E, Sehested A, Scheie D, Cruz O, Moreno L, Cho J, Zeller B, Bovenschen N, Grotzer M, Alderete D, Snuderl M, Zheludkova O, Golanov A, Okonechnikov K, Mynarek M, Juhnke BO, Rutkowski S, Schüller U, Pizer B, von Zezschwitz B, Kwiecien R, Wechsung M, Konietschke F, Hwang EI, Sturm D, Pfister SM, von Deimling A, Rushing EJ, Ryzhova M, Hauser P, Łastowska M, Wesseling P, Giangaspero F, Hawkins C, Figarella-Branger D, Eberhart C, Burger P, Gessi M, Korshunov A, Jacques TS, Capper D, Pietsch T, Kool M. [Neuro Oncol. 2021 Sep 1;23\(9\):1597-1611. doi: 10.1093/neuonc/noab136. PMID: 34077956; PMCID: PMC8408859.](#)

The white matter is a pro-differentiative niche for glioblastoma. Brooks LJ, Clements MP, Burden JJ, Kocher D, Richards L, Devesa SC, Zakka L, Woodberry M, Ellis M, Jaunmuktane Z, Brandner S, Morrison G, Pollard SM, Dirks PB, Marguerat S, Parrinello S. [Nat Commun. 2021 Apr 12;12\(1\):2184. doi: 10.1038/s41467-021-22225-w. PMID: 33846316; PMCID: PMC8042097.](#)

Recurrent fusions in PLAGL1 define a distinct subset of pediatric-type supratentorial neuroepithelial tumors. Sievers P, Henneken SC, Blume C, Sill M, Schrimpf D, Stichel D, Okonechnikov K, Reuss DE, Benzel J, Maaß KK, Kool M, Sturm D, Zheng T, Ghasemi DR, Kohlhof-Meinecke P, Cruz O, Suñol M, Lavarino C, Ruf V, Boldt HB, Pagès M, Pouget C, Schweizer L, Kranendonk MEG, Akhtar N, Bunkowski S, Stadelmann C, Schüller U, Mueller WC, Dohmen H, Acker T, Harter PN, Mawrin C, Beschorner R, Brandner S, Snuderl M, Abdullaev Z, Aldape K, Gilbert MR, Armstrong TS, Ellison DW, Capper D, Ichimura K, Reifenberger G, Grundy RG, Jabado N, Krskova L, Zapotocky M, Vicha A, Varlet P, Wesseling P, Rutkowski S, Korshunov A, Wick W, Pfister SM, Jones DTW, von Deimling A, Pajtler KW, Sahm F. [Acta Neuropathol. 2021 Nov;142\(5\):827-839. doi: 10.1007/s00401-021-02356-6. Epub 2021 Aug 5. PMID: 34355256; PMCID: PMC8500895.](#)

Cross-Species Genomics Reveals Oncogenic Dependencies in ZFTA/C11orf95 Fusion-Positive Supratentorial Ependymomas. Zheng T, Ghasemi DR, Okonechnikov K, Korshunov A, Sill M, Maass KK, Benites Goncalves da Silva P, Ryzhova M, Gojo J, Stichel D, Arabzade A, Kupp R, Benzel J, Taya S, Adachi T, Shiraishi R, Gerber NU, Sturm D, Ecker J, Sievers P, Selt F, Chapman R, Haberler C, Figarella-Branger D, Reifenberger G, Fleischhack G, Rutkowski S, Donson AM, Ramaswamy V, Capper D, Ellison DW, Herold-Mende CC, Schüller U, Brandner S, Driever PH, Kros JM, Snuderl M, Milde T, Grundy RG, Hoshino M, Mack SC, Gilbertson RJ, Jones DTW, Kool M, von Deimling A, Pfister SM, Sahm F, Kawauchi D, Pajtler KW. [Cancer Discov. 2021 Sep;11\(9\):2230-2247. doi: 10.1158/2159-8290.CD-20-0963. Epub 2021 Apr 20. PMID: 33879448.](#)

Glioblastomas with primitive neuronal component harbor a distinct methylation and copy-number profile with inactivation of TP53, PTEN, and RB1. Suwala AK, Stichel D, Schrimpf D, Maas SLN, Sill M, Dohmen H, Banan R, Reinhardt A, Sievers P, Hinz F, Blattner-Johnson M, Hartmann C, Schweizer L, Boldt HB, Kristensen BW, Schittenhelm J, Wood MD, Chotard G, Bjergvig R, Das A, Tabori U, Hasselblatt M, Korshunov A, Abdullaev Z, Quezado M, Aldape K, Harter PN, Snuderl M, Hench J, Frank S, Acker T, Brandner S, Winkler F, Wesseling P, Pfister SM, Reuss DE, Wick W, von Deimling A, Jones DTW, Sahm F. [Acta Neuropathol. 2021 Jul;142\(1\):179-189. doi: 10.1007/s00401-021-02302-6. Epub 2021 Apr 19. PMID: 33876327; PMCID: PMC8217054.](#)

Clear cell meningiomas are defined by a highly distinct DNA methylation profile and mutations in SMARCE1. Sievers P, Sill M, Blume C, Tauziède-Espariat A, Schrimpf D, Stichel D, Reuss DE, Dogan H, Hartmann C, Mawrin C, Hasselblatt M, Stummer W, Schick U, Hench J, Frank S, Ketter R, Schweizer L,

Schittenhelm J, Puget S, Brandner S, Jaunmuktane Z, Küsters B, Abdullaev Z, Pekmezci M, Snuderl M, Ratliff M, Herold-Mende C, Unterberg A, Aldape K, Ellison DW, Wesseling P, Reifenberger G, Wick W, Perry A, Varlet P, Pfister SM, Jones DTW, von Deimling A, Sahm F; [German Consortium "Aggressive Meningiomas"](#). *Acta Neuropathol.* 2021 Feb;141(2):281-290. doi: [10.1007/s00401-020-02247-2](#). Epub 2020 Dec 14. PMID: [33319313](#); PMCID: [PMC7847462](#).

Inhibition of microglial EZH2 leads to anti-tumoral effects in pediatric diffuse midline gliomas. Keane L, Cheray M, Saidi D, Kirby C, Friess L, Gonzalez-Rodriguez P, Gerdes ME, Grabert K, McColl BW, Joseph B. *Neurooncol Adv.* 2021 Jul 5;3(1):vdab096. doi: [10.1093/noajnl/vdab096](#). PMID: [34485907](#); PMCID: [PMC8409254](#).

Non-tumour

Hypothesis: Entrapment of lipoprotein particles in the brain causes Alzheimer's disease. Boche D, & Nicoll J. A. (2021). *Free Neuropathology*, 2, 30. <https://doi.org/10.17879/freeneuropathology-2021-3459>

Iron Deposition in the Brain After Aneurysmal Subarachnoid Hemorrhage. Galea I, Durnford A, Glazier J, Mitchell S, Kohli S, Foulkes L, Norman J, Darekar A, Love S, Bulters DO, Nicoll JAR, Boche D. *Stroke.* 2022 May;53(5):1633-1642. doi: [10.1161/STROKEAHA.121.036645](#). Epub 2022 Feb 24. PMID: [35196874](#).

Immune environment of the brain in schizophrenia and during the psychotic episode: A human post-mortem study. De Picker LJ, Victoriano GM, Richards R, Gorvett AJ, Lyons S, Buckland GR, Tofani T, Norman JL, Chatelet DS, Nicoll JAR, Boche D. *Brain Behav Immun.* 2021 Oct;97:319-327. doi: [10.1016/j.bbi.2021.07.017](#). Epub 2021 Jul 30. PMID: [34339805](#); PMCID: [PMC8475749](#).

Collaborative Neuropathology Network Characterizing Outcomes of TBI (CONNECT-TBI). Smith DH, Dollé JP, Ameen-Ali KE, Bretzin A, Cortes E, Crary JF, Dams-O'Connor K, Diaz-Arrastia R, Edlow BL, Folkert R, Hazrati LN, Hinds SR, Iacono D, Johnson VE, Keene CD, Kofler J, Kovacs GG, Lee EB, Manley G, Meaney D, Montine T, Okonkwo DO, Perl DP, Trojanowski JQ, Wiebe DJ, Yaffe K, McCabe T, Stewart W. *Acta Neuropathol Commun.* 2021 Mar 1;9(1):32. doi: [10.1186/s40478-021-01122-9](#). PMID: [33648593](#); PMCID: [PMC7919306](#).

Alzheimer's disease neuropathological change three decades after iatrogenic amyloid- β transmission. Jaunmuktane Z, Banerjee G, Paine S, Parry-Jones A, Rudge P, Grieve J, Toma AK, Farmer SF, Mead S, Houlden H, Werring DJ, Brandner S. *Acta Neuropathol.* 2021 Jul;142(1):211-215. doi: [10.1007/s00401-021-02326-y](#). Epub 2021 May 28. PMID: [34047818](#); PMCID: [PMC8217014](#).

Innate Immune Anti-Inflammatory Response in Human Spontaneous Intracerebral Hemorrhage. Shtaya A, Bridges LR, Williams R, Trippier S, Zhang L, Pereira AC, Nicoll JAR, Boche D, Hainsworth AH. *Stroke.* 2021 Nov;52(11):3613-3623. doi: [10.1161/STROKEAHA.121.034673](#). Epub 2021 Jul 20. PMID: [34281379](#); PMCID: [PMC7611898](#).

2020 Publications

Tumour

Frequent alterations in p16/CDKN2A identified by immunohistochemistry and FISH in chordoma.

Cottone L, Eden N, Usher I, Lombard P, Ye H, Ligamari L, Lindsay D, Brandner S, Pižem J, Pillay N, Tirabosco R, Amary F, Flanagan AM. *J Pathol Clin Res.* 2020 Apr;6(2):113-123. doi: [10.1002/cjp2.156](https://doi.org/10.1002/cjp2.156). Epub 2020 Jan 8. PMID: 31916407; PMCID: PMC7164370.

CTNNB1 mutations are clonal in adamantinomatous craniopharyngioma. Apps JR, Stache C,

Gonzalez-Meljem JM, Gutteridge A, Chalker J, Jacques TS, Forshew T, Hölsken A, Martinez-Barbera JP. *Neuropathol Appl Neurobiol.* 2020 Aug;46(5):510-514. doi: [10.1111/nan.12613](https://doi.org/10.1111/nan.12613). Epub 2020 Apr 2. PMID: 32125720; PMCID: PMC7610141.

GATA-4, a potential novel therapeutic target for high-grade meningioma, regulates miR-497, a potential novel circulating biomarker for high-grade meningioma. Negroni C, Hilton DA, Ercolano E,

Adams CL, Kurian KM, Baiz D, Hanemann CO. *EBioMedicine.* 2020 Sep;59:102941. doi: [10.1016/j.ebiom.2020.102941](https://doi.org/10.1016/j.ebiom.2020.102941). Epub 2020 Aug 15. PMID: 32810829; PMCID: PMC7452696.

The Potential of MLN3651 in Combination with Selumetinib as a Treatment for Merlin-Deficient Meningioma. Lyons Rimmer J, Ercolano E, Baiz D, Makhija M, Berger A, Sells T, Stroud S, Hilton D,

Adams CL, Hanemann CO. *Cancers (Basel).* 2020 Jun 30;12(7):1744. doi: [10.3390/cancers12071744](https://doi.org/10.3390/cancers12071744). PMID: 32629964; PMCID: PMC7407567.

A Rapid Robust Method for Subgrouping Non-NF2 Meningiomas According to Genotype and Detection of Lower Levels of M2 Macrophages in AKT1 E17K Mutated Tumours. Adams CL,

Ercolano E, Ferluga S, Sofela A, Dave F, Negroni C, Kurian KM, Hilton DA, Hanemann CO. *Int J Mol Sci.* 2020 Feb 13;21(4):1273. doi: [10.3390/ijms21041273](https://doi.org/10.3390/ijms21041273). PMID: 32070062; PMCID: PMC7073007.

Constitutive activation of the EGFR-STAT1 axis increases proliferation of meningioma tumor cells.

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Integration and Comparison of Transcriptomic and Proteomic Data for Meningioma. Dunn J, Lenis

VP, Hilton DA, Warta R, Herold-Mende C, Hanemann CO, Futschik ME. *Cancers (Basel).* 2020 Nov 5;12(11):3270. doi: [10.3390/cancers12113270](https://doi.org/10.3390/cancers12113270). PMID: 33167358; PMCID: PMC7694371.

Methylation-based algorithms for diagnosis: experience from neuro-oncology. Pickles JC, Stone TJ,

Jacques TS. *J Pathol.* 2020 Apr;250(5):510-517. doi: [10.1002/path.5397](https://doi.org/10.1002/path.5397). Epub 2020 Mar 10. PMID: 32057098.

A case series of Diffuse Glioneuronal Tumours with Oligodendroglioma-like features and Nuclear Clusters (DGONC). Pickles JC, Mankad K, Aizpurua M, Paine SM, Bridges LR, Carceller F, Szychoł E,

Walker M, Fairchild AR, Mistry T, Ogunbiyi O, Rolland A, Stone TJ, Dryden C, Addy D, Garimberti E, Chalker J, Sahm F, Jones DT, Hargrave D, Jacques TS. *Neuropathol Appl Neurobiol.* 2020 Dec 15. doi: [10.1111/nan.12680](https://doi.org/10.1111/nan.12680). Epub ahead of print. PMID: 33325069.

Pediatric pan-central nervous system tumor analysis of immune-cell infiltration identifies

correlates of antitumor immunity. Grabovska Y, Mackay A, O'Hare P, Crosier S, Finetti M, Schwalbe EC, Pickles JC, Fairchild AR, Avery A, Cockle J, Hill R, Lindsey J, Hicks D, Kristiansen M, Chalker J, Anderson J, Hargrave D, Jacques TS, Straathof K, Bailey S, Jones C, Clifford SC, Williamson D. *Nat*

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Infant High-Grade Gliomas Comprise Multiple Subgroups Characterized by Novel Targetable Gene Fusions and Favorable Outcomes. Clarke M, Mackay A, Ismer B, Pickles JC, Tatevossian RG, Newman S, Bale TA, Stoler I, Izquierdo E, Temelso S, Carvalho DM, Molinari V, Burford A, Howell L, Virasami A, Fairchild AR, Avery A, Chalker J, Kristiansen M, Haupfear K, Dalton JD, Orisme W, Wen J, Hubank M, Kurian KM, Rowe C, Maybury M, Crosier S, Knipstein J, Schüller U, Kordes U, Kram DE, Snuderl M, Bridges L, Martin AJ, Doey LJ, Al-Sarraj S, Chandler C, Zebian B, Cairns C, Natrajan R, Boulton JKR, Robinson SP, Sill M, Dunkel IJ, Gilheeny SW, Rosenblum MK, Hughes D, Proszek PZ, Macdonald TJ, Preusser M, Haberler C, Slavc I, Packer R, Ng HK, Caspi S, Popović M, Faganel Kotnik B, Wood MD, Baird L, Davare MA, Solomon DA, Olsen TK, Brandal P, Farrell M, Cryan JB, Capra M, Karremann M, Schittenhelm J, Schuhmann MU, Ebinger M, Dinjens WNM, Kerl K, Hettmer S, Pietsch T, Andreiuolo F, Driever PH, Korshunov A, Hiddingh L, Worst BC, Sturm D, Zuckermann M, Witt O, Bloom T, Mitchell C, Miele E, Colafati GS, Diomedi-Camassei F, Bailey S, Moore AS, Hassall TEG, Lowis SP, Tsoli M, Cowley MJ, Ziegler DS, Karajannis MA, Aquilina K, Hargrave DR, Carceller F, Marshall LV, von Deimling A, Kramm CM, Pfister SM, Sahm F, Baker SJ, Mastronuzzi A, Carai A, Vinci M, Capper D, Popov S, Ellison DW, Jacques TS, Jones DTW, Jones C. [Cancer Discov. 2020 Jul;10\(7\):942-963. doi: 10.1158/2159-8290.CD-19-1030. Epub 2020 Apr 1. PMID: 32238360.](#)

Non-Tumour

Medullary tyrosine hydroxylase catecholaminergic neuronal populations in sudden unexpected death in epilepsy. Patodia S, Tan I, Ellis M, Somani A, Scheffer IE, Sisodiya SM, Thom M. [Brain Pathol. 2021 Jan;31\(1\):133-143. doi: 10.1111/bpa.12891. Epub 2020 Sep 9. PMID: 32852867.](#)

MRI and pathology correlations in the medulla in sudden unexpected death in epilepsy (SUDEP): a postmortem study. Patodia S, Tachrount M, Somani A, Scheffer I, Yousry T, Golay X, Sisodiya SM, Thom M. [Neuropathol Appl Neurobiol. 2021 Feb;47\(1\):157-170. doi: 10.1111/nan.12638. Epub 2020 Jul 15. PMID: 32559314; PMCID: PMC7749076.](#)

Neuropeptide depletion in the amygdala in sudden unexpected death in epilepsy: A postmortem study. Somani A, Perry C, Patodia S, Michalak Z, Ellis M, Sisodiya SM, Thom M. [Epilepsia. 2020 Feb;61\(2\):310-318. doi: 10.1111/epi.16425. Epub 2020 Jan 20. PMID: 31958887.](#)

Bim contributes to the progression of Huntington's disease-associated phenotypes. Roberts SL, Evans T, Yang Y, Fu Y, Button RW, Siphthorpe RJ, Cowan K, Valionyte E, Anichtchik O, Li H, Lu B, Luo S. [Hum Mol Genet. 2020 Jan 15;29\(2\):216-227. doi: 10.1093/hmg/ddz275. PMID: 31813995.](#)

Microglial contribution to synaptic uptake in the prefrontal cortex in schizophrenia. Tziouras M, Stevenson AJ, Boche D, Spires-Jones TL. [Neuropathol Appl Neurobiol. 2021 Feb;47\(2\):346-351. doi: 10.1111/nan.12660. Epub 2020 Oct 5. PMID: 32892388.](#)

Tau immunophenotypes in chronic traumatic encephalopathy recapitulate those of ageing and Alzheimer's disease. Arena JD, Smith DH, Lee EB, Gibbons GS, Irwin DJ, Robinson JL, Lee VM, Trojanowski JQ, Stewart W, Johnson VE. [Brain. 2020 May 1;143\(5\):1572-1587. doi: 10.1093/brain/awaa071. PMID: 32390044; PMCID: PMC7241956.](#)

Astroglial tau pathology alone preferentially concentrates at sulcal depths in chronic traumatic encephalopathy neuropathologic change. Arena JD, Johnson VE, Lee EB, Gibbons GS, Smith DH,

Trojanowski JQ, Stewart W. [Brain Commun. 2020 Dec 3;2\(2\):fcaa210. doi: 10.1093/braincomms/fcaa210. PMID: 33426528; PMCID: PMC7784042.](#)

Extracellular matrix-inducing Sox9 promotes both basal progenitor proliferation and gliogenesis in developing neocortex. Güven A, Kalebic N, Long KR, Florio M, Vaid S, Brandl H, Stenzel D, Huttner WB. [Elife. 2020 Mar 19;9:e49808. doi: 10.7554/eLife.49808. PMID: 32191207; PMCID: PMC7105383.](#)

Serotonin Receptor 2A Activation Promotes Evolutionarily Relevant Basal Progenitor Proliferation in the Developing Neocortex. Xing L, Kalebic N, Namba T, Vaid S, Wimberger P, Huttner WB. [Neuron. 2020 Dec 23;108\(6\):1113-1129.e6. doi: 10.1016/j.neuron.2020.09.034. Epub 2020 Oct 19. PMID: 33080227.](#)

Microvascular injury and hypoxic damage: emerging neuropathological signatures in COVID-19. Jaunmuktane Z, Mahadeva U, Green A, Sekhawat V, Barrett NA, Childs L, Shankar-Hari M, Thom M, Jäger HR, Brandner S. [Acta Neuropathol. 2020 Sep;140\(3\):397-400. doi: 10.1007/s00401-020-02190-2. Epub 2020 Jul 8. PMID: 32638079; PMCID: PMC7340758.](#)

The emerging spectrum of COVID-19 neurology: clinical, radiological and laboratory findings. Paterson RW, Brown RL, Benjamin L, Nortley R, Wiethoff S, Bharucha T, Jayaseelan DL, Kumar G, Raftopoulos RE, Zambreanu L, Vivekanandam V, Khoo A, Galdes R, Chinthapalli K, Boyd E, Tuzlali H, Price G, Christofi G, Morrow J, McNamara P, McLoughlin B, Lim ST, Mehta PR, Levee V, Keddie S, Yong W, Trip SA, Foulkes AJM, Hotton G, Miller TD, Everitt AD, Carswell C, Davies NWS, Yoong M, Atwell D, Sreedharan J, Silber E, Schott JM, Chandratheva A, Perry RJ, Simister R, Checkley A, Longley N, Farmer SF, Carletti F, Houlihan C, Thom M, Lunn MP, Spillane J, Howard R, Vincent A, Werring DJ, Hoskote C, Jäger HR, Manji H, Zandi MS. [Brain. 2020 Oct 1;143\(10\):3104-3120. doi: 10.1093/brain/awaa240. PMID: 32637987; PMCID: PMC7454352.](#)

2019 Publications

Tumour

Non-secreting pituitary tumours characterised by enhanced expression of YAP/TAZ. Xekouki P, Lodge EJ, Matschke J, Santambrogio A, Apps JR, Sharif A, Jacques TS, Aylwin S, Prevot V, Li R, Flitsch J, Bornstein SR, Theodoropoulou M, Andoniadou CL. [Endocr Relat Cancer. 2019 Jan 1;26\(1\):215-225. doi: 10.1530/ERC-18-0330. PMID: 30139767; PMCID: PMC6215911.](#)

Clinically Actionable Insights into Initial and Matched Recurrent Glioblastomas to Inform Novel Treatment Approaches. Ellis HP, McLnerney CE, Schrimpf D, Sahm F, Stupnikov A, Wadsley M, Wragg C, White P, Prise KM, McArt DG, Kurian KM. [J Oncol. 2019 Dec 31;2019:4878547. doi: 10.1155/2019/4878547. PMID: 32082376; PMCID: PMC7012245.](#)

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2015 Publications

Tumour

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