

DANIEL W. FULTS, M.D.
PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. **Fults D**, Kelly DL Jr. (1983). A suprasellar atypical teratoma presenting as an intrasellar mass: a case report. *Neurosurgery*, 13(1), 40-3.
2. **Fults D**, Kelly DL Jr. (1984). Natural history of arteriovenous malformations of the brain: a clinical study. *Neurosurgery*, 15(5), 658-62.
3. Maness PF, **Fults DW**. (1985). Immunocytochemical Mapping of pp60c-src in the Developing Nervous System. *Cancer Cells*, 3, 425-432.
4. **Fults DW**, Towle AC, Lauder JM, Maness PF. (1985). pp60c-src in the developing cerebellum. *Mol Cell Biol*, 5(1), 27-32.
5. Maness PF, Sorge LK, **Fults DW**. (1986). An early developmental phase of pp60c-src expression in the neural ectoderm. *Dev Biol*, 117(1), 83-9.
6. Ingraham CA, Cox ME, Ward DC, **Fults DW**, Maness PF. (1989). c-src and other proto-oncogenes implicated in neuronal differentiation. *Mol Chem Neuropathol*, 10(1), 1-14.
7. Fujimoto M, **Fults DW**, Thomas GA, Nakamura Y, Heilbrun MP, White R, Story JL, Naylor SL, Kagan-Hallet KS, Sheridan PJ. (1989). Loss of heterozygosity on chromosome 10 in human glioblastoma multiforme. *Genomics*, 4(2), 210-4.
8. **Fults D**, Tippets RH, Thomas GA, Nakamura Y, White R. (1989). Loss of heterozygosity for loci on chromosome 17p in human malignant astrocytoma. *Cancer Res*, 49(23), 6572-7.
9. **Fults D**, Maness PF, Nakamura Y, White R. (1989). The N-ras oncogene is activated in a human medulloblastoma cell line. *Brain Res*, 503(2), 281-7.
10. **Fults D**, Pedone CA, Thomas GA, White R. (1990). Allelotype of human malignant astrocytoma. *Cancer Res*, 50(18), 5784-9.
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13. **Fults D**, Pedone CA, Morse HG, Rose JW, McKay RD. (1992). Establishment and characterization of a human primitive neuroectodermal tumor cell line from the cerebral hemisphere. *J Neuropathol Exp Neurol*, 51(3), 272-80.
14. **Fults D**, Petronio J, Noblett BD, Pedone CA. (1992). Chromosome 11p15 deletions in human malignant astrocytomas and primitive neuroectodermal tumors. *Genomics*, 14(3), 799-801.
15. **Fults D**, Pedone C. (1993). Deletion mapping of the long arm of chromosome 10 in glioblastoma multiforme. *Genes Chromosomes Cancer*, 7(3), 173-7.
16. **Fults D**, Pedone CA, Zhu XL, Williams BJ, Jones E, Brothman AR. (1995). Molecular cytogenetic analysis of a t(7;10) in a human glioblastoma cell line. *Cancer Genet Cytogenet*, 81(2), 118-24.
17. Petronio J, He J, **Fults D**, Pedone C, James CD, Allen JR. (1996). Common alternative gene alterations in adult malignant astrocytomas, but not in childhood primitive neuroectodermal tumors: P 16ink4 homozygous deletions and CDK4 gene amplifications. *J Neurosurg*, 84(6), 1020-3.
18. Emadian SM, McDonald JD, Gerken SC, **Fults D**. (1996). Correlation of chromosome 17p loss with clinical outcome in medulloblastoma. *Clin Cancer Res*, 2(9), 1559-64.
19. Biscardi JS, Denhez F, Buehler GF, Chesnutt DA, Baragona SC, O'Bryan JP, Der CJ, Fiordalisi JJ, **Fults DW**, Maness PF. (1996). Rek, a gene expressed in retina and brain, encodes a receptor tyrosine kinase of the Axl/Tyro3 family. *J Biol Chem*, 271(46), 29049-59.
20. Brockmeyer DL, Walker ML, Thompson G, **Fults DW**. (1997). Astrocytoma and pineoblastoma arising sequentially in the fourth ventricle of the same patient. Case report and molecular analysis. *Pediatr Neurosurg*, 26(1), 36-40.
21. Raffel C, Jenkins RB, Frederick L, Hebrink D, Alderete B, **Fults DW**, James CD. (1997). Sporadic medulloblastomas contain PTCH mutations. *Cancer Res*, 57(5), 842-5.
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23. Wooten EC, **Fults D**, Duggirala R, Williams K, Kyritsis AP, Bondy ML, Levin VA, O'Connell P. (1999). A Study of Loss of Heterozygosity at 70 Loci in Anaplastic Astrocytoma and Glioblastoma Multiforme with Implications for Tumor Evaluation. *Neuro-oncol*, 1(3), 169-176.

24. Bruggers CS, **Fults D**, Perkins SL, Coffin CM, Carroll WL. (1999). Coexpression of genes involved in apoptosis in central nervous system neoplasms. *J Pediatr Hematol Oncol*, 21(1), 19-25.
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26. **Fults D**, Pedone C, Dai C, Holland EC. (2002). MYC Promotes the Proliferation of Neural Progenitor Cells in Culture and In Vivo. *Neoplasia*, 4, 32-39.
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28. Gottfried ON, **Fults DW**, Townsend JJ, Couldwell WT. (2003). Spontaneous hemorrhage associated with a pilomyxoid astrocytoma. Case Report. *J Neurosurg*, 99(2), 416-420.
29. Rao G, Pedone CA, Coffin CM, Holland EC, **Fults DW**. (2003). c-Myc enhances sonic hedgehog-induced medulloblastoma formation from nestin-expressing neural progenitors in mice. *Neoplasia*, 5(3), 198-204.
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31. Rao G, Pedone CA, Valle LD, Reiss K, Holland EC, **Fults DW**. (2004). Sonic hedgehog and insulin-like growth factor signaling synergize to induce medulloblastoma formation from nestin-expressing neural progenitors in mice. *Oncogene*, 23(36), 6156-62.
32. Di C, Liao S, Adamson DC, Parrett TJ, Broderick DK, Shi Q, Lengauer C, Cummins JM, Velculescu VE, **Fults DW**, McLendon RE, Bigner DD, Yan H. (2005). Identification of OTX2 as a medulloblastoma oncogene whose product can be targeted by all-trans retinoic acid. *Cancer Res*, 65(3), 919-24.
33. Browd SR, Kenney AM, Gottfried ON, Yoon JW, Walterhouse D, Pedone CA, **Fults DW**. (2006). N-myc can substitute for insulin-like growth factor signaling in a mouse model of sonic hedgehog-induced medulloblastoma. *Cancer Res*, 66(5), 2666-72.
34. McCall TD, Pedone CA, **Fults DW**. (2007). Apoptosis suppression by somatic cell transfer of Bcl-2 promotes Sonic hedgehog-dependent medulloblastoma formation in mice. *Cancer Res*, 67(11), 5179-85.
35. Bishop FS, Liu JK, Chin SS, **and Fults DW**. (June, 2008). Recurrent Cerebellar Hemangioblastoma With Enhancing Tumor in the Cyst Wall: Case Report. *Neurosurgery*, 62(6), 1378-1379.
36. McCall TD, **Fults DW**, Schmidt RH. (2008). Use of resorbable collagen dural substitutes in the presence of cranial and spinal infections-report of 3 cases. *Surg Neurol*, 70(1), 92-6; discussion 96-7.
37. Binning MJ, Niazi T, Pedone CA, Lal B, Eberhart CM, Kim KJ, Laterra J, **and Fults DW**. (October 1, 2008). Hepatocyte Growth Factor and Sonic Hedgehog Expression in Cerebellar Neural Progenitor Cells Costimulate Medulloblastoma Initiation and Growth. *Cancer Res*, 68, 7838-7845.

NON PEER-REVIEWED JOURNAL ARTICLES

REVIEW ARTICLES

1. Fults, DW. (2005). Modeling Medulloblastoma with Genetically Engineered Mice. *Neurosurg Focus*, 19, 108.
2. **Fults DW**. (2005). Modeling medulloblastoma with genetically engineered mice. *Neurosurg Focus*, 19(5), E7.
3. Gottfried ON, Viskochil DH, **Fults DW**, Couldwell WT. (2006). Molecular, genetic, and cellular pathogenesis of neurofibromas and surgical implications. *Neurosurgery*, 58(1), 1-16; discussion 1-16.
4. McCall T, Chin SS, Salzman KL, **Fults DW**. (2006). Tuberous sclerosis: a syndrome of incomplete tumor suppression. *Neurosurg Focus*, 20(1), E3.
5. Gottfried OH, **Fults DW**, Viskochil D, Couldwell WT. (2006). Molecular, Genetic, and Cellular Pathogenesis of Neurofibromas and Implications for Future Therapies. *Neurosurgery*, 58.

BOOKS

BOOK CHAPTERS

1. **Fults D**, Kelly DL. (1984). Congenital Defects of the Scalp and Skull. In Wilkins RH; Rengachary SS (Ed.), *Neurosurgery*. McGraw Hill Book Company.
2. **Fults D**. (1996). Molecular Themes in Glial Tumors. In Raffel C; Harsh G (Ed.), *The Molecular Biology of Neurosurgical Disease* (pp. 162-178). Williams and Wilkins.

OTHER (Commentary/Letters/Editorials/Case Reports/Video/Film)

Book Reviews

1. **Fults DW.** (2004). Tumor suppressor genes, Volume 1: Pathways and isolation strategies, and Volume 2: Regulation, function, and medicinal applications. *Neuro-Oncology*, 6, 78-79.