

## CHLD0071: Molecular and Clinical Aspects of Childhood Cancers

View Online



Azarova, Anna M., Gargi Gautam, and Rani E. George, 'Emerging Importance of ALK in Neuroblastoma', *Seminars in Cancer Biology*, 21.4 (2011), 267–75  
<<https://doi.org/10.1016/j.semcancer.2011.09.005>>

Beierle, Elizabeth A., 'MYCN, Neuroblastoma and Focal Adhesion Kinase (FAK)', *Frontiers in Bioscience (Elite Edition)*, 3 <<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3171213/>>

Bell, Emma, Lindi Chen, Tao Liu, Glenn M. Marshall, John Lunec, and Deborah A. Tweddle, 'MYCN Oncoprotein Targets and Their Therapeutic Potential', *Cancer Letters*, 293.2 (2010), 144–57 <<https://doi.org/10.1016/j.canlet.2010.01.015>>

Bender, Sebastian, Yujie Tang, Anders M. Lindroth, Volker Hovestadt, David T.W. Jones, Marcel Kool, and others, 'Reduced H3K27me3 and DNA Hypomethylation Are Major Drivers of Gene Expression in K27M Mutant Pediatric High-Grade Gliomas', *Cancer Cell*, 24.5 (2013), 660–72 <<https://doi.org/10.1016/j.ccr.2013.10.006>>

Berry, Teeara, William Luther, Namrata Bhatnagar, Yann Jamin, Evon Poon, Takaomi Sanda, and others, 'The ALKF1174L Mutation Potentiates the Oncogenic Activity of MYCN in Neuroblastoma', *Cancer Cell*, 22.1 (2012), 117–30  
<<https://doi.org/10.1016/j.ccr.2012.06.001>>

Bleggi-Torres, Luiz Fernando, Lúcia de Noronha, Elizabeth Schneider Gugelmin, Ana Paula Martins Sebastião, Betina Werner, Ewerton Marques Maggio, and others, 'Accuracy of the Smear Technique in the Cytological Diagnosis of 650 Lesions of the Central Nervous System', *Diagnostic Cytopathology*, 24.4 (2001), 293–95  
<<https://doi.org/10.1002/dc.1062>>

Blümcke, Ingmar, Eleonora Aronica, Albert Becker, David Capper, Roland Coras, Mrinalini Honavar, and others, 'Low-Grade Epilepsy-Associated Neuroepithelial Tumours — the 2016 WHO Classification', *Nature Reviews Neurology*, 12.12 (2016), 732–40  
<<https://doi.org/10.1038/nrneurol.2016.173>>

Brodeur, Garrett M., 'Neuroblastoma: Biological Insights into a Clinical Enigma', *Nature Reviews Cancer*, 3.3 (2003), 203–16 <<https://doi.org/10.1038/nrc1014>>

Brodeur, Garrett M., and Rochelle Bagatell, 'Mechanisms of Neuroblastoma Regression', *Nature Reviews Clinical Oncology*, 11.12 (2014), 704–13  
<<https://doi.org/10.1038/nrclinonc.2014.168>>

Brown, Christine E., Darya Alizadeh, Renate Starr, Lihong Weng, Jamie R. Wagner, Araceli

- Naranjo, and others, 'Regression of Glioblastoma after Chimeric Antigen Receptor T-Cell Therapy', *New England Journal of Medicine*, 375.26 (2016), 2561–69  
<<https://doi.org/10.1056/NEJMoa1610497>>
- Buckner, Tyler, Julie Blatt, and Scott Victor Smith, 'The Autopsy in Pediatrics and Pediatric Oncology: A Single-Institution Experience', *Pediatric and Developmental Pathology*, 9.5 (2006), 374–80 <<https://doi.org/10.2350/06-02-0047.1>>
- Burkhart, C. A., A. J. Cheng, J. Madafiglio, M. Kavallaris, M. Mili, G. M. Marshall, and others, 'Effects of MYCN Antisense Oligonucleotide Administration on Tumorigenesis in a Murine Model of Neuroblastoma', *JNCI Journal of the National Cancer Institute*, 95.18 (2003), 1394–1403 <<https://doi.org/10.1093/jnci/djg045>>
- Chen, L., N. Iraci, S. Gherardi, L. D. Gamble, K. M. Wood, G. Perini, and others, 'P53 Is a Direct Transcriptional Target of MYCN in Neuroblastoma', *Cancer Research*, 70.4 (2010), 1377–88 <<https://doi.org/10.1158/0008-5472.CAN-09-2598>>
- Chhabda, Sahil, Olivia Carney, Felice D'Arco, Thomas S. Jacques, and Kshitij Mankad, 'The 2016 World Health Organization Classification of Tumours of the Central Nervous System: What the Paediatric Neuroradiologist Needs to Know', *Quantitative Imaging in Medicine and Surgery*, 6.5 (2016), 486–89 <<https://doi.org/10.21037/qims.2016.10.01>>
- 'Children's Cancer Statistics | Cancer Research UK'  
<<http://www.cancerresearchuk.org/health-professional/cancer-statistics/childrens-cancers>>
- Cossu, Irene, Gianluca Bottoni, Monica Loi, Laura Emionite, Alice Bartolini, Daniela Di Paolo, and others, 'Neuroblastoma-Targeted Nanocarriers Improve Drug Delivery and Penetration, Delay Tumor Growth and Abrogate Metastatic Diffusion', *Biomaterials*, 68 (2015), 89–99 <<https://doi.org/10.1016/j.biomaterials.2015.07.054>>
- Ellison, David W., Olabisi E. Onilude, Janet C. Lindsey, Meryl E. Lusher, Claire L. Weston, Roger E. Taylor, and others, 'β-Catenin Status Predicts a Favorable Outcome in Childhood Medulloblastoma: The United Kingdom Children's Cancer Study Group Brain Tumour Committee', *Journal of Clinical Oncology*, 23.31 (2005), 7951–57  
<<https://doi.org/10.1200/JCO.2005.01.5479>>
- Evans, A E, E Baum, and R Chard, 'Do Infants with Stage IV-S Neuroblastoma Need Treatment?', *Archives of Disease in Childhood*, 56.4 (1981), 271–74  
<<https://doi.org/10.1136/adc.56.4.271>>
- Fisher, Jonathan, Pierre Abramowski, Nisansala Dilrukshi Wisidagamage Don, Barry Flutter, Anna Capsomidis, Gordon Weng-Kit Cheung, and others, 'Avoidance of On-Target Off-Tumor Activation Using a Co-Stimulation-Only Chimeric Antigen Receptor', *Molecular Therapy*, 25.5 (2017), 1234–47 <<https://doi.org/10.1016/j.ymthe.2017.03.002>>
- Garrett M. Brodeur, Robert C. Seeger, Manfred Schwab, Harold E. Varmus and J. Michael Bishop, 'Amplification of N-Myc in Untreated Human Neuroblastomas Correlates with Advanced Disease Stage', *Science*, 224.4653 (1984), 1121–24  
<<http://www.jstor.org/stable/1692440>>

- Ghorashian, Sara, Persis Amrolia, and Paul Veys, 'Open Access? Widening Access to Chimeric Antigen Receptor (CAR) Therapy for ALL', *Experimental Hematology*, 66 (2018), 5-16 <<https://doi.org/10.1016/j.exphem.2018.07.002>>
- Gibson, Paul, Yiai Tong, Giles Robinson, Margaret C. Thompson, D. Spencer Currel, Christopher Eden, and others, 'Subtypes of Medulloblastoma Have Distinct Developmental Origins', *Nature*, 468.7327 (2010), 1095-99 <<https://doi.org/10.1038/nature09587>>
- Goschzik, Tobias, Marco Gessi, Verena Dreschmann, Ursel Gebhardt, Linghua Wang, Shigeru Yamaguchi, and others, 'Genomic Alterations of Adamantinomatous and Papillary Craniopharyngioma', *Journal of Neuropathology & Experimental Neurology*, 2017 <<https://doi.org/10.1093/jnen/nlw116>>
- Greaves, Mel F., and Joe Wiemels, 'Origins of Chromosome Translocations in Childhood Leukaemia', *Nature Reviews Cancer*, 3.9 (2003), 639-49 <<https://doi.org/10.1038/nrc1164>>
- Guglielmi, L, C Cinnella, M Nardella, G Maresca, A Valentini, D Mercanti, and others, 'MYCN Gene Expression Is Required for the Onset of the Differentiation Programme in Neuroblastoma Cells', *Cell Death & Disease*, 5.2 (2014), e1081-e1081 <<https://doi.org/10.1038/cddis.2014.42>>
- Gump, Jacob M, Andrew M Donson, Diane K Birks, Vladimir M Amani, Karun K Rao, Andrea M Griesinger, and others, 'Identification of Targets for Rational Pharmacological Therapy in Childhood Craniopharyngioma', *Acta Neuropathologica Communications*, 3.1 (2015) <<https://doi.org/10.1186/s40478-015-0211-5>>
- Hanahan, Douglas, and Robert A Weinberg, 'The Hallmarks of Cancer', *Cell*, 100.1 (2000), 57-70 <[https://doi.org/10.1016/S0092-8674\(00\)81683-9](https://doi.org/10.1016/S0092-8674(00)81683-9)>
- Hanahan, Douglas, and Robert A. Weinberg, 'Hallmarks of Cancer: The Next Generation', *Cell*, 144.5 (2011), 646-74 <<https://doi.org/10.1016/j.cell.2011.02.013>>
- Hashizume, Rintaro, Noemi Andor, Yuichiro Ihara, Robin Lerner, Haiyun Gan, Xiaoyue Chen, and others, 'Pharmacologic Inhibition of Histone Demethylation as a Therapy for Pediatric Brainstem Glioma', *Nature Medicine*, 20.12 (2014), 1394-96 <<https://doi.org/10.1038/nm.3716>>
- Hasle, Henrik, and Charlotte M. Niemeyer, 'Advances in the Prognostication and Management of Advanced MDS in Children', *British Journal of Haematology*, 154.2 (2011), 185-95 <<https://doi.org/10.1111/j.1365-2141.2011.08724.x>>
- Hill, Rebecca M., Sanne Kuijper, Janet C. Lindsey, Kevin Petrie, Ed C. Schwalbe, Karen Barker, and others, 'Combined MYC and P53 Defects Emerge at Medulloblastoma Relapse and Define Rapidly Progressive, Therapeutically Targetable Disease', *Cancer Cell*, 27.1 (2015), 72-84 <<https://doi.org/10.1016/j.ccell.2014.11.002>>
- Hourigan, Christopher S., and Judith E. Karp, 'Minimal Residual Disease in Acute Myeloid Leukaemia', *Nature Reviews Clinical Oncology*, 10.8 (2013), 460-71 <<https://doi.org/10.1038/nrclinonc.2013.100>>

Huang, M., and W. A. Weiss, 'Neuroblastoma and MYCN', *Cold Spring Harbor Perspectives in Medicine*, 3.10 (2013), a014415–a014415  
<<https://doi.org/10.1101/cshperspect.a014415>>

Huber, Katrin, Chaya Kalcheim, and Klaus Unsicker, 'The Development of the Chromaffin Cell Lineage from the Neural Crest', *Autonomic Neuroscience*, 151.1 (2009), 10–16  
<<https://doi.org/10.1016/j.autneu.2009.07.020>>

Hubert, Christopher G., Maricruz Rivera, Lisa C. Spangler, Qiulian Wu, Stephen C. Mack, Briana C. Prager, and others, 'A Three-Dimensional Organoid Culture System Derived from Human Glioblastomas Recapitulates the Hypoxic Gradients and Cancer Stem Cell Heterogeneity of Tumors Found', *Cancer Research*, 76.8 (2016), 2465–77  
<<https://doi.org/10.1158/0008-5472.CAN-15-2402>>

Hunger, Stephen P., and Charles G. Mullighan, 'Acute Lymphoblastic Leukemia in Children', *New England Journal of Medicine*, 373.16 (2015), 1541–52  
<<https://doi.org/10.1056/NEJMr1400972>>

International Agency for Research on Cancer, *WHO Classification of Tumours of the Central Nervous System*, ed. by David N. Louis, Hiroko Ohgaki, O. D. Wiestler, and W. K. Cavenee, Revised 4th edition (Lyon: International Agency for Research on Cancer, 2016)

Johnson, Laura A, and Carl H June, 'Driving Gene-Engineered T Cell Immunotherapy of Cancer', *Cell Research*, 27.1 (2017), 38–58 <<https://doi.org/10.1038/cr.2016.154>>

Kirsti Sirkiä, Ulla M. Saarinen-Pihkala, Liisa Hovi, Hannu Sariola, 'Autopsy in Children with Cancer Who Die While in Terminal Care', *Medical and Pediatric Oncology*, 30.5 (1998), 284–89  
<[https://doi.org/10.1002/\(SICI\)1096-911X\(199805\)30:5<284::AID-MPO4>3.0.CO;2-B](https://doi.org/10.1002/(SICI)1096-911X(199805)30:5<284::AID-MPO4>3.0.CO;2-B)>

Klebanoff, Christopher A, Steven A Rosenberg, and Nicholas P Restifo, 'Prospects for Gene-Engineered T Cell Immunotherapy for Solid Cancers', *Nature Medicine*, 22.1 (2016), 26–36 <<https://doi.org/10.1038/nm.4015>>

Koebel, Catherine M., William Vermi, Jeremy B. Swann, Nadeen Zerafa, Scott J. Rodig, Lloyd J. Old, and others, 'Adaptive Immunity Maintains Occult Cancer in an Equilibrium State', *Nature*, 450.7171 (2007), 903–7 <<https://doi.org/10.1038/nature06309>>

Korshunov, Andrey, Sturm, Dominik, Ryzhova, Marina, Hovestadt, Volker, Gessi, Marco, 'Embryonal Tumor with Abundant Neuropil and True Rosettes (ETANTR), Ependymoblastoma, and Medulloepithelioma Share Molecular Similarity and Comprise a Single Clinicopathological Entity', *Acta Neuropathologica*, 128.8, 279–89  
<<https://search.proquest.com/docview/1545765655?OpenUrlRefId=info:xri/sid:primo&accountid=14511>>

Kotrova, Michaela, Jan Trka, Michael Kneba, and Monika Brüggemann, 'Is Next-Generation Sequencing the Way to Go for Residual Disease Monitoring in Acute Lymphoblastic Leukemia?', *Molecular Diagnosis & Therapy*, 21.5 (2017), 481–92  
<<https://doi.org/10.1007/s40291-017-0277-9>>

Larson, Jon D., Lawryn H. Kasper, Barbara S. Paugh, Hongjian Jin, Gang Wu, Chang-Hyuk

Kwon, and others, 'Histone H3.3 K27M Accelerates Spontaneous Brainstem Glioma and Drives Restricted Changes in Bivalent Gene Expression', *Cancer Cell*, 2018  
<<https://doi.org/10.1016/j.ccell.2018.11.015>>

Lee, Tong Ihn, and Richard A. Young, 'Transcriptional Regulation and Its Misregulation in Disease', *Cell*, 152.6 (2013), 1237–51 <<https://doi.org/10.1016/j.cell.2013.02.014>>

Lewis, P. W., M. M. Muller, M. S. Koletsky, F. Cordero, S. Lin, L. A. Banaszynski, and others, 'Inhibition of PRC2 Activity by a Gain-of-Function H3 Mutation Found in Pediatric Glioblastoma', *Science*, 340.6134 (2013), 857–61  
<<https://doi.org/10.1126/science.1232245>>

Liu, Zhihui, and Carol J. Thiele, 'ALK and MYCN: When Two Oncogenes Are Better than One', *Cancer Cell*, 21.3 (2012), 325–26 <<https://doi.org/10.1016/j.ccr.2012.03.004>>

Lord, Christopher J, and Alan Ashworth, 'Biology-Driven Cancer Drug Development: Back to the Future', *BMC Biology*, 8.1 (2010) <<https://doi.org/10.1186/1741-7007-8-38>>

Lu, Benjamin, Brooke Green, Jacqueline Farr, Flávia Lopes, and Terence Van Raay, 'Wnt Drug Discovery: Weaving Through the Screens, Patents and Clinical Trials', *Cancers*, 8.9 (2016) <<https://doi.org/10.3390/cancers8090082>>

Mackall, Crystal L., Melinda S. Merchant, and Terry J. Fry, 'Immune-Based Therapies for Childhood Cancer', *Nature Reviews Clinical Oncology*, 11.12 (2014), 693–703  
<<https://doi.org/10.1038/nrclinonc.2014.177>>

Majzner, Robbie G., Sabine Heitzeneder, and Crystal L. Mackall, 'Harnessing the Immunotherapy Revolution for the Treatment of Childhood Cancers', *Cancer Cell*, 31.4 (2017), 476–85 <<https://doi.org/10.1016/j.ccell.2017.03.002>>

Marabelle, Aurélien, Vincent Sapin, Raphaël Rousseau, Brigitte Periquet, François Demeocq, and Justyna Kanold, 'Hypercalcemia and 13-  
-Retinoic Acid in Post-Consolidation Therapy of Neuroblastoma', *Pediatric Blood & Cancer*, 52.2 (2009), 280–83 <<https://doi.org/10.1002/pbc.21768>>

Martinez-Barbera, Juan Pedro, and Cynthia L. Andoniadou, 'Concise Review: Paracrine Role of Stem Cells in Pituitary Tumors: A Focus on Adamantinomatous Craniopharyngioma', *STEM CELLS*, 34.2 (2016), 268–76 <<https://doi.org/10.1002/stem.2267>>

Martinez-Barbera, Juan Pedro, and Rolf Buslei, 'Adamantinomatous Craniopharyngioma: Pathology, Molecular Genetics and Mouse Models', *Journal of Pediatric Endocrinology and Metabolism*, 28.1–2 (2015) <<https://doi.org/10.1515/jpem-2014-0442>>

Matthay, Katherine K., Judith G. Villablanca, Robert C. Seeger, Daniel O. Stram, Richard E. Harris, Norma K. Ramsay, and others, 'Treatment of High-Risk Neuroblastoma with Intensive Chemotherapy, Radiotherapy, Autologous Bone Marrow Transplantation, and 13-  
-Retinoic Acid', *New England Journal of Medicine*, 341.16 (1999), 1165–73  
<<https://doi.org/10.1056/NEJM199910143411601>>

Milne, Thomas A., 'Mouse Models of MLL Leukemia: Recapitulating the Human Disease', *Blood*, 129.16 (2017), 2217–23 <<https://doi.org/10.1182/blood-2016-10-691428>>

Morsut, Leonardo, Kole T. Roybal, Xin Xiong, Russell M. Gordley, Scott M. Coyle, Matthew Thomson, and others, 'Engineering Customized Cell Sensing and Response Behaviors Using Synthetic Notch Receptors', *Cell*, 164.4 (2016), 780–91  
<<https://doi.org/10.1016/j.cell.2016.01.012>>

Mossé, Yaël P., Marci Laudenslager, Luca Longo, Kristina A. Cole, Andrew Wood, Edward F. Attiyeh, and others, 'Identification of ALK as a Major Familial Neuroblastoma Predisposition Gene', *Nature*, 455.7215 (2008), 930–35 <<https://doi.org/10.1038/nature07261>>

Nataliya Zhukova, 'Subgroup-Specific Prognostic Implications of TP53 Mutation in Medulloblastoma', *Journal of Clinical Oncology*, 31.23 (2013)  
<<https://doi.org/10.1200/JCO.2012.48.5052>>

'Nature Reviews Immunology', 12.4 (2012)  
<<https://www.nature.com/nri/volumes/12/issues/4>>

Niemeyer, Charlotte Marie, and Christian Peter Kratz, 'Paediatric Myelodysplastic Syndromes and Juvenile Myelomonocytic Leukaemia: Molecular Classification and Treatment Options', *British Journal of Haematology*, 140.6 (2008), 610–24  
<<https://doi.org/10.1111/j.1365-2141.2007.06958.x>>

Niklison-Chirou, Maria Victoria, Ida Erngren, Mikael Engskog, Jakob Haglöf, Daniel Picard, Marc Remke, and others, 'TAp73 Is a Marker of Glutamine Addiction in Medulloblastoma', *Genes & Development*, 31.17 (2017), 1738–53 <<https://doi.org/10.1101/gad.302349.117>>

Northcott, Paul A., Andrey Korshunov, Stefan M. Pfister, and Michael D. Taylor, 'The Clinical Implications of Medulloblastoma Subgroups', *Nature Reviews Neurology*, 8.6 (2012), 340–51 <<https://doi.org/10.1038/nrneurol.2012.78>>

O'Connor, David, Amir Enshaei, Jack Bartram, Jeremy Hancock, Christine J. Harrison, Rachael Hough, and others, 'Genotype-Specific Minimal Residual Disease Interpretation Improves Stratification in Pediatric Acute Lymphoblastic Leukemia', *Journal of Clinical Oncology*, 36.1 (2018), 34–43 <<https://doi.org/10.1200/JCO.2017.74.0449>>

———, 'Genotype-Specific Minimal Residual Disease Interpretation Improves Stratification in Pediatric Acute Lymphoblastic Leukemia', *Journal of Clinical Oncology*, 36.1 (2018), 34–43 <<https://doi.org/10.1200/JCO.2017.74.0449>>

Pastorino, Fabio, Danilo Marimpietri, Chiara Brignole, Daniela Paolo, Gabriella Pagnan, Antonio Daga, and others, 'Ligand-Targeted Liposomal Therapies of Neuroblastoma', *Current Medicinal Chemistry*, 14.29 (2007), 3070–78  
<<https://doi.org/10.2174/092986707782793916>>

Pathania, Manav, Nicolas De Jay, Nicola Maestro, Ashot S. Harutyunyan, Justyna Nitarska, Pirasteh Pahlavan, and others, 'H3.3K27M Cooperates with Trp53 Loss and PDGFRA Gain in Mouse Embryonic Neural Progenitor Cells to Induce Invasive High-Grade Gliomas', *Cancer Cell*, 32.5 (2017), 684–700.e9 <<https://doi.org/10.1016/j.ccell.2017.09.014>>

Pfister, Stefan, Marc Remke, Mirco Castoldi, Alfa H. C. Bai, Martina U. Muckenthaler, Andreas Kulozik, and others, 'Novel Genomic Amplification Targeting the microRNA Cluster

at 19q13.42 in a Pediatric Embryonal Tumor with Abundant Neuropil and True Rosettes', *Acta Neuropathologica*, 117.4 (2009), 457–64  
<<https://doi.org/10.1007/s00401-008-0467-y>>

Phoenix, Timothy N., Deanna M. Patmore, Scott Boop, Nidal Boulos, Megan O. Jacus, Yogesh T. Patel, and others, 'Medulloblastoma Genotype Dictates Blood Brain Barrier Phenotype', *Cancer Cell*, 29.4 (2016), 508–22  
<<https://doi.org/10.1016/j.ccell.2016.03.002>>

Qasim, Waseem, Hong Zhan, Sujith Samarasinghe, Stuart Adams, Persis Amrolia, Sian Stafford, and others, 'Molecular Remission of Infant B-ALL after Infusion of Universal TALEN Gene-Edited CAR T Cells', *Science Translational Medicine*, 9.374 (2017)  
<<https://doi.org/10.1126/scitranslmed.aaj2013>>

Qiao, Jingbo, Pritha Paul, Sora Lee, Lan Qiao, Erlena Josifi, Joshua R. Tiao, and others, 'PI3K/AKT and ERK Regulate Retinoic Acid-Induced Neuroblastoma Cellular Differentiation', *Biochemical and Biophysical Research Communications*, 424.3 (2012), 421–26  
<<https://doi.org/10.1016/j.bbrc.2012.06.125>>

Rasaiyaah, Jane, Christos Georgiadis, Roland Preece, Ulrike Mock, and Waseem Qasim, 'TCR $\alpha\beta$ /CD3 Disruption Enables CD3-Specific Antileukemic T Cell Immunotherapy', *JCI Insight*, 3.13 (2018) <<https://doi.org/10.1172/jci.insight.99442>>

Reynolds, C.Patrick, Katherine K. Matthay, Judith G. Villablanca, and Barry J. Maurer, 'Retinoid Therapy of High-Risk Neuroblastoma', *Cancer Letters*, 197.1–2 (2003), 185–92  
<[https://doi.org/10.1016/S0304-3835\(03\)00108-3](https://doi.org/10.1016/S0304-3835(03)00108-3)>

Richmond, A., and Y. Su, 'Mouse Xenograft Models vs GEM Models for Human Cancer Therapeutics', *Disease Models and Mechanisms*, 1.2–3 (2008), 78–82  
<<https://doi.org/10.1242/dmm.000976>>

Sadelain, Michel, Isabelle Rivière, and Stanley Riddell, 'Therapeutic T Cell Engineering', *Nature*, 545.7655 (2017), 423–31 <<https://doi.org/10.1038/nature22395>>

Schwab, M, 'MYCN in Neuronal Tumours', *Cancer Letters*, 204.2 (2004), 179–87  
<[https://doi.org/10.1016/S0304-3835\(03\)00454-3](https://doi.org/10.1016/S0304-3835(03)00454-3)>

Schwalbe, Ed. C., James T. Hayden, Hazel A. Rogers, Suzanne Miller, Janet C. Lindsey, Rebecca M. Hill, and others, 'Histologically Defined Central Nervous System Primitive Neuro-Ectodermal Tumours (CNS-PNETs) Display Heterogeneous DNA Methylation Profiles and Show Relationships to Other Paediatric Brain Tumour Types', *Acta Neuropathologica*, 126.6 (2013), 943–46 <<https://doi.org/10.1007/s00401-013-1206-6>>

Schwalbe, Edward C, Janet C Lindsey, Sirintra Nakjang, Stephen Crosier, Amanda J Smith, Debbie Hicks, and others, 'Novel Molecular Subgroups for Clinical Classification and Outcome Prediction in Childhood Medulloblastoma: A Cohort Study', *The Lancet Oncology*, 18.7 (2017), 958–71 <[https://doi.org/10.1016/S1470-2045\(17\)30243-7](https://doi.org/10.1016/S1470-2045(17)30243-7)>

Schwartzentruber, Jeremy, Andrey Korshunov, Xiao-Yang Liu, David T. W. Jones, Elke Pfaff, Karine Jacob, and others, 'Driver Mutations in Histone H3.3 and Chromatin Remodelling Genes in Paediatric Glioblastoma', *Nature*, 482.7384 (2012), 226–31

<<https://doi.org/10.1038/nature10833>>

Sidell, Neil, 'Retinoic Acid-Induced Growth Inhibition and Morphologic Differentiation of Human Neuroblastoma Cells In Vitro', *JNCI: Journal of the National Cancer Institute*, 1982 <<https://doi.org/10.1093/jnci/68.4.589>>

Slany, R K, 'The Molecular Mechanics of Mixed Lineage Leukemia', *Oncogene*, 35.40 (2016), 5215–23 <<https://doi.org/10.1038/onc.2016.30>>

Stone, T. J., and T. S. Jacques, 'Medulloblastoma: Selecting Children for Reduced Treatment', *Neuropathology and Applied Neurobiology*, 41.2 (2015), 106–8 <<https://doi.org/10.1111/nan.12193>>

Strebhardt, Klaus, and Axel Ullrich, 'Paul Ehrlich's Magic Bullet Concept: 100 Years of Progress', *Nature Reviews Cancer*, 8.6 (2008), 473–80 <<https://doi.org/10.1038/nrc2394>>

Sturm, Dominik, Brent A. Orr, Umut H. Toprak, Volker Hovestadt, David T.W. Jones, David Capper, and others, 'New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs', *Cell*, 164.5 (2016), 1060–72 <<https://doi.org/10.1016/j.cell.2016.01.015>>

Sturm, Dominik, Hendrik Witt, Volker Hovestadt, Dong-Anh Khuong-Quang, David T.W. Jones, Carolin Konermann, and others, 'Hotspot Mutations in H3F3A and IDH1 Define Distinct Epigenetic and Biological Subgroups of Glioblastoma', *Cancer Cell*, 22.4 (2012), 425–37 <<https://doi.org/10.1016/j.ccr.2012.08.024>>

Taylor, Michael DNorthcott, Paul AKorshunov, AndreyRemke, MarcCho, Yoon-jae, 'Molecular Subgroups of Medulloblastoma: The Current Consensus', *Acta Neuropathologica*, 123.3, 465–72 <[https://search.proquest.com/docview/928783888?rfr\\_id=info%3Axri%2Fsid%3Aprimo](https://search.proquest.com/docview/928783888?rfr_id=info%3Axri%2Fsid%3Aprimo)>

Vogelstein, B., N. Papadopoulos, V. E. Velculescu, S. Zhou, L. A. Diaz, and K. W. Kinzler, 'Cancer Genome Landscapes', *Science*, 339.6127 (2013), 1546–58 <<https://doi.org/10.1126/science.1235122>>

———, 'Cancer Genome Landscapes', *Science*, 339.6127 (2013), 1546–58 <<https://doi.org/10.1126/science.1235122>>

Vora, Ajay, Nick Goulden, Chris Mitchell, Jeremy Hancock, Rachael Hough, Clare Rowntree, and others, 'Augmented Post-Remission Therapy for a Minimal Residual Disease-Defined High-Risk Subgroup of Children and Young People with Clinical Standard-Risk and Intermediate-Risk Acute Lymphoblastic Leukaemia (UKALL 2003): A Randomised Controlled Trial', *The Lancet Oncology*, 15.8 (2014), 809–18 <[https://doi.org/10.1016/S1470-2045\(14\)70243-8](https://doi.org/10.1016/S1470-2045(14)70243-8)>

Vora, Ajay, Nick Goulden, Rachel Wade, Chris Mitchell, Jeremy Hancock, Rachael Hough, and others, 'Treatment Reduction for Children and Young Adults with Low-Risk Acute Lymphoblastic Leukaemia Defined by Minimal Residual Disease (UKALL 2003): A Randomised Controlled Trial', *The Lancet Oncology*, 14.3 (2013), 199–209 <[https://doi.org/10.1016/S1470-2045\(12\)70600-9](https://doi.org/10.1016/S1470-2045(12)70600-9)>



Wegman-Ostrosky, Talia, and Sharon A. Savage, 'The Genomics of Inherited Bone Marrow Failure: From Mechanism to the Clinic', *British Journal of Haematology*, 177.4 (2017), 526-42 <<https://doi.org/10.1111/bjh.14535>>

Weinberg, Robert A., *The Biology of Cancer*, 2nd ed (New York: Garland Science, 2014)

Wright, James Homer, 'NEUROCYTOMA OR NEUROBLASTOMA, A KIND OF TUMOR NOT GENERALLY RECOGNIZED', *The Journal of Experimental Medicine*, 12.4 (1910) <<https://doi.org/10.1084/jem.12.4.556>>

Yang, LiqunKe, Xiao-XueXuan, FanTan, JuanHou, Jianbing, 'PHOX2B Is Associated with Neuroblastoma Cell Differentiation', *Cancer Biotherapy & Radiopharmaceuticals*, 31, 44-51 <<https://doi.org/10.1089/cbr.2015.1952>>

Yong, Carmen S M, Valerie Dardalhon, Christel Devaud, Naomi Taylor, Phillip K Darcy, and Michael H Kershaw, 'CAR T-Cell Therapy of Solid Tumors', *Immunology and Cell Biology*, 95.4 (2017), 356-63 <<https://doi.org/10.1038/icb.2016.128>>

Zelent, Arthur, Mel Greaves, and Tariq Enver, 'Role of the TEL-AML1 Fusion Gene in the Molecular Pathogenesis of Childhood Acute Lymphoblastic Leukaemia', *Oncogene*, 23.24 (2004), 4275-83 <<https://doi.org/10.1038/sj.onc.1207672>>

Zhu, Shizhen, Jeong-Soo Lee, Feng Guo, Jimann Shin, Antonio R. Perez-Atayde, Jeffery L. Kutok, and others, 'Activated ALK Collaborates with MYCN in Neuroblastoma Pathogenesis', *Cancer Cell*, 21.3 (2012), 362-73 <<https://doi.org/10.1016/j.ccr.2012.02.010>>