

CHLD0071: Molecular and Clinical Aspects of Childhood Cancers

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[1]

Azarova, A.M. et al. 2011. Emerging importance of ALK in neuroblastoma. *Seminars in Cancer Biology*. 21, 4 (Oct. 2011), 267-275.
DOI:<https://doi.org/10.1016/j.semcancer.2011.09.005>.

[2]

Beierle, E.A. MYCN, Neuroblastoma and Focal Adhesion Kinase (FAK). *Frontiers in bioscience (Elite edition)*. 3.

[3]

Bell, E. et al. 2010. MYCN oncoprotein targets and their therapeutic potential. *Cancer Letters*. 293, 2 (Jul. 2010), 144-157. DOI:<https://doi.org/10.1016/j.canlet.2010.01.015>.

[4]

Bender, S. et al. 2013. Reduced H3K27me3 and DNA Hypomethylation Are Major Drivers of Gene Expression in K27M Mutant Pediatric High-Grade Gliomas. *Cancer Cell*. 24, 5 (Nov. 2013), 660-672. DOI:<https://doi.org/10.1016/j.ccr.2013.10.006>.

[5]

Berry, T. et al. 2012. The ALKF1174L Mutation Potentiates the Oncogenic Activity of MYCN in Neuroblastoma. *Cancer Cell*. 22, 1 (Jul. 2012), 117-130.
DOI:<https://doi.org/10.1016/j.ccr.2012.06.001>.

[6]

Bleggi-Torres, L.F. et al. 2001. Accuracy of the smear technique in the cytological diagnosis of 650 lesions of the central nervous system. *Diagnostic Cytopathology*. 24, 4 (Apr. 2001), 293–295. DOI:<https://doi.org/10.1002/dc.1062>.

[7]

Blümcke, I. et al. 2016. Low-grade epilepsy-associated neuroepithelial tumours — the 2016 WHO classification. *Nature Reviews Neurology*. 12, 12 (Dec. 2016), 732–740. DOI:<https://doi.org/10.1038/nrneurol.2016.173>.

[8]

Brodeur, G.M. 2003. Neuroblastoma: biological insights into a clinical enigma. *Nature Reviews Cancer*. 3, 3 (Mar. 2003), 203–216. DOI:<https://doi.org/10.1038/nrc1014>.

[9]

Brodeur, G.M. and Bagatell, R. 2014. Mechanisms of neuroblastoma regression. *Nature Reviews Clinical Oncology*. 11, 12 (Dec. 2014), 704–713. DOI:<https://doi.org/10.1038/nrclinonc.2014.168>.

[10]

Brown, C.E. et al. 2016. Regression of Glioblastoma after Chimeric Antigen Receptor T-Cell Therapy. *New England Journal of Medicine*. 375, 26 (Dec. 2016), 2561–2569. DOI:<https://doi.org/10.1056/NEJMoa1610497>.

[11]

Buckner, T. et al. 2006. The Autopsy in Pediatrics and Pediatric Oncology: A Single-Institution Experience. *Pediatric and Developmental Pathology*. 9, 5 (Sep. 2006), 374–380. DOI:<https://doi.org/10.2350/06-02-0047.1>.

[12]

Burkhart, C.A. et al. 2003. Effects of MYCN Antisense Oligonucleotide Administration on Tumorigenesis in a Murine Model of Neuroblastoma. *JNCI Journal of the National Cancer*

Institute. 95, 18 (Sep. 2003), 1394–1403. DOI:<https://doi.org/10.1093/jnci/djg045>.

[13]

Chen, L. et al. 2010. p53 Is a Direct Transcriptional Target of MYCN in Neuroblastoma. *Cancer Research*. 70, 4 (Feb. 2010), 1377–1388.
DOI:<https://doi.org/10.1158/0008-5472.CAN-09-2598>.

[14]

Chhabda, S. et al. 2016. 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 (Oct. 2016), 486–489.
DOI:<https://doi.org/10.21037/qims.2016.10.01>.

[15]

Children's cancer statistics | Cancer Research UK:
<http://www.cancerresearchuk.org/health-professional/cancer-statistics/childrens-cancers>.

[16]

Cossu, I. et al. 2015. Neuroblastoma-targeted nanocarriers improve drug delivery and penetration, delay tumor growth and abrogate metastatic diffusion. *Biomaterials*. 68, (Nov. 2015), 89–99. DOI:<https://doi.org/10.1016/j.biomaterials.2015.07.054>.

[17]

Ellison, D.W. et al. 2005. 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 (Nov. 2005), 7951–7957.
DOI:<https://doi.org/10.1200/JCO.2005.01.5479>.

[18]

Evans, A.E. et al. 1981. Do infants with stage IV-S neuroblastoma need treatment? *Archives of Disease in Childhood*. 56, 4 (Apr. 1981), 271–274.
DOI:<https://doi.org/10.1136/adc.56.4.271>.

[19]

Fisher, J. et al. 2017. Avoidance of On-Target Off-Tumor Activation Using a Co-stimulation-Only Chimeric Antigen Receptor. *Molecular Therapy*. 25, 5 (May 2017), 1234–1247. DOI:<https://doi.org/10.1016/j.ymthe.2017.03.002>.

[20]

Garrett M. Brodeur, Robert C. Seeger, Manfred Schwab, Harold E. Varmus and J. Michael Bishop 1984. Amplification of N-myc in Untreated Human Neuroblastomas Correlates with Advanced Disease Stage. *Science*. 224, 4653 (1984), 1121–1124.

[21]

Ghorashian, S. et al. 2018. Open access? Widening access to chimeric antigen receptor (CAR) therapy for ALL. *Experimental Hematology*. 66, (Oct. 2018), 5–16. DOI:<https://doi.org/10.1016/j.exphem.2018.07.002>.

[22]

Gibson, P. et al. 2010. Subtypes of medulloblastoma have distinct developmental origins. *Nature*. 468, 7327 (Dec. 2010), 1095–1099. DOI:<https://doi.org/10.1038/nature09587>.

[23]

Goschzik, T. et al. 2017. Genomic Alterations of Adamantinomatous and Papillary Craniopharyngioma. *Journal of Neuropathology & Experimental Neurology*. (Jan. 2017). DOI:<https://doi.org/10.1093/jnen/nlw116>.

[24]

Greaves, M.F. and Wiemels, J. 2003. Origins of chromosome translocations in childhood leukaemia. *Nature Reviews Cancer*. 3, 9 (Sep. 2003), 639–649. DOI:<https://doi.org/10.1038/nrc1164>.

[25]

Guglielmi, L. et al. 2014. MYCN gene expression is required for the onset of the differentiation programme in neuroblastoma cells. *Cell Death & Disease*. 5, 2 (Feb. 2014), e1081–e1081. DOI:<https://doi.org/10.1038/cddis.2014.42>.

[26]

Gump, J.M. et al. 2015. Identification of targets for rational pharmacological therapy in childhood craniopharyngioma. *Acta Neuropathologica Communications*. 3, 1 (Dec. 2015). DOI:<https://doi.org/10.1186/s40478-015-0211-5>.

[27]

Hanahan, D. and Weinberg, R.A. 2011. Hallmarks of Cancer: The Next Generation. *Cell*. 144, 5 (Mar. 2011), 646–674. DOI:<https://doi.org/10.1016/j.cell.2011.02.013>.

[28]

Hanahan, D. and Weinberg, R.A. 2000. The Hallmarks of Cancer. *Cell*. 100, 1 (Jan. 2000), 57–70. DOI:[https://doi.org/10.1016/S0092-8674\(00\)81683-9](https://doi.org/10.1016/S0092-8674(00)81683-9).

[29]

Hashizume, R. et al. 2014. Pharmacologic inhibition of histone demethylation as a therapy for pediatric brainstem glioma. *Nature Medicine*. 20, 12 (Dec. 2014), 1394–1396. DOI:<https://doi.org/10.1038/nm.3716>.

[30]

Hasle, H. and Niemeyer, C.M. 2011. Advances in the prognostication and management of advanced MDS in children. *British Journal of Haematology*. 154, 2 (Jul. 2011), 185–195. DOI:<https://doi.org/10.1111/j.1365-2141.2011.08724.x>.

[31]

Hill, R.M. et al. 2015. Combined MYC and P53 Defects Emerge at Medulloblastoma Relapse and Define Rapidly Progressive, Therapeutically Targetable Disease. *Cancer Cell*. 27, 1 (Jan. 2015), 72–84. DOI:<https://doi.org/10.1016/j.ccell.2014.11.002>.

[32]

Hourigan, C.S. and Karp, J.E. 2013. Minimal residual disease in acute myeloid leukaemia. *Nature Reviews Clinical Oncology*. 10, 8 (Aug. 2013), 460–471.
DOI:<https://doi.org/10.1038/nrclinonc.2013.100>.

[33]

Huang, M. and Weiss, W.A. 2013. Neuroblastoma and MYCN. *Cold Spring Harbor Perspectives in Medicine*. 3, 10 (Oct. 2013), a014415–a014415.
DOI:<https://doi.org/10.1101/cshperspect.a014415>.

[34]

Huber, K. et al. 2009. The development of the chromaffin cell lineage from the neural crest. *Autonomic Neuroscience*. 151, 1 (Nov. 2009), 10–16.
DOI:<https://doi.org/10.1016/j.autneu.2009.07.020>.

[35]

Hubert, C.G. et al. 2016. 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 (Apr. 2016), 2465–2477.
DOI:<https://doi.org/10.1158/0008-5472.CAN-15-2402>.

[36]

Hunger, S.P. and Mullighan, C.G. 2015. Acute Lymphoblastic Leukemia in Children. *New England Journal of Medicine*. 373, 16 (Oct. 2015), 1541–1552.
DOI:<https://doi.org/10.1056/NEJMra1400972>.

[37]

International Agency for Research on Cancer 2016. WHO classification of tumours of the central nervous system. International Agency for Research on Cancer.

[38]

Johnson, L.A. and June, C.H. 2017. Driving gene-engineered T cell immunotherapy of

cancer. *Cell Research*. 27, 1 (Jan. 2017), 38–58. DOI:<https://doi.org/10.1038/cr.2016.154>.

[39]

Kirsti Sirkiä, Ulla M. Saarinen-Pihkala, Liisa Hovi, Hannu Sariola 1998. Autopsy in children with cancer who die while in terminal care. *Medical and Pediatric Oncology*. 30, 5 (1998), 284–289.

DOI:[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).

[40]

Klebanoff, C.A. et al. 2016. Prospects for gene-engineered T cell immunotherapy for solid cancers. *Nature Medicine*. 22, 1 (Jan. 2016), 26–36. DOI:<https://doi.org/10.1038/nm.4015>.

[41]

Koebel, C.M. et al. 2007. Adaptive immunity maintains occult cancer in an equilibrium state. *Nature*. 450, 7171 (Dec. 2007), 903–907. DOI:<https://doi.org/10.1038/nature06309>.

[42]

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.

[43]

Kotrova, M. et al. 2017. Is Next-Generation Sequencing the way to go for Residual Disease Monitoring in Acute Lymphoblastic Leukemia? *Molecular Diagnosis & Therapy*. 21, 5 (Oct. 2017), 481–492. DOI:<https://doi.org/10.1007/s40291-017-0277-9>.

[44]

Larson, J.D. et al. 2018. Histone H3.3 K27M Accelerates Spontaneous Brainstem Glioma

and Drives Restricted Changes in Bivalent Gene Expression. *Cancer Cell*. (Dec. 2018). DOI:<https://doi.org/10.1016/j.ccell.2018.11.015>.

[45]

Lee, T.I. and Young, R.A. 2013. Transcriptional Regulation and Its Misregulation in Disease. *Cell*. 152, 6 (Mar. 2013), 1237–1251. DOI:<https://doi.org/10.1016/j.cell.2013.02.014>.

[46]

Lewis, P.W. et al. 2013. Inhibition of PRC2 Activity by a Gain-of-Function H3 Mutation Found in Pediatric Glioblastoma. *Science*. 340, 6134 (May 2013), 857–861. DOI:<https://doi.org/10.1126/science.1232245>.

[47]

Liu, Z. and Thiele, C.J. 2012. ALK and MYCN: When Two Oncogenes Are Better than One. *Cancer Cell*. 21, 3 (Mar. 2012), 325–326. DOI:<https://doi.org/10.1016/j.ccr.2012.03.004>.

[48]

Lord, C.J. and Ashworth, A. 2010. Biology-driven cancer drug development: back to the future. *BMC Biology*. 8, 1 (2010). DOI:<https://doi.org/10.1186/1741-7007-8-38>.

[49]

Lu, B. et al. 2016. Wnt Drug Discovery: Weaving Through the Screens, Patents and Clinical Trials. *Cancers*. 8, 9 (Sep. 2016). DOI:<https://doi.org/10.3390/cancers8090082>.

[50]

Mackall, C.L. et al. 2014. Immune-based therapies for childhood cancer. *Nature Reviews Clinical Oncology*. 11, 12 (Dec. 2014), 693–703. DOI:<https://doi.org/10.1038/nrclinonc.2014.177>.

[51]

Majzner, R.G. et al. 2017. Harnessing the Immunotherapy Revolution for the Treatment of

Childhood Cancers. *Cancer Cell*. 31, 4 (Apr. 2017), 476–485.
DOI:<https://doi.org/10.1016/j.ccell.2017.03.002>.

[52]

Marabelle, A. et al. 2009. Hypercalcemia and 13-
-retinoic acid in post-consolidation therapy of neuroblastoma. *Pediatric Blood & Cancer*. 52, 2 (Feb. 2009), 280–283. DOI:<https://doi.org/10.1002/pbc.21768>.

[53]

Martinez-Barbera, J.P. and Andoniadou, C.L. 2016. Concise Review: Paracrine Role of Stem Cells in Pituitary Tumors: A Focus on Adamantinomatous Craniopharyngioma. *STEM CELLS*. 34, 2 (Feb. 2016), 268–276. DOI:<https://doi.org/10.1002/stem.2267>.

[54]

Martinez-Barbera, J.P. and Buslei, R. 2015. Adamantinomatous craniopharyngioma: pathology, molecular genetics and mouse models. *Journal of Pediatric Endocrinology and Metabolism*. 28, 1–2 (Jan. 2015). DOI:<https://doi.org/10.1515/jpem-2014-0442>.

[55]

Matthay, K.K. et al. 1999. Treatment of High-Risk Neuroblastoma with Intensive Chemotherapy, Radiotherapy, Autologous Bone Marrow Transplantation, and 13-
-Retinoic Acid. *New England Journal of Medicine*. 341, 16 (Oct. 1999), 1165–1173. DOI:<https://doi.org/10.1056/NEJM199910143411601>.

[56]

Milne, T.A. 2017. Mouse models of MLL leukemia: recapitulating the human disease. *Blood*. 129, 16 (Apr. 2017), 2217–2223. DOI:<https://doi.org/10.1182/blood-2016-10-691428>.

[57]

Morsut, L. et al. 2016. Engineering Customized Cell Sensing and Response Behaviors Using Synthetic Notch Receptors. *Cell*. 164, 4 (Feb. 2016), 780–791. DOI:<https://doi.org/10.1016/j.cell.2016.01.012>.

[58]

Mossé, Y.P. et al. 2008. Identification of ALK as a major familial neuroblastoma predisposition gene. *Nature*. 455, 7215 (Oct. 2008), 930–935.
DOI:<https://doi.org/10.1038/nature07261>.

[59]

Nataliya Zhukova 2013. Subgroup-Specific Prognostic Implications of TP53 Mutation in Medulloblastoma. *Journal of Clinical Oncology*. 31, 23 (2013).
DOI:<https://doi.org/10.1200/JCO.2012.48.5052>.

[60]

Niemeyer, C.M. and Kratz, C.P. 2008. Paediatric myelodysplastic syndromes and juvenile myelomonocytic leukaemia: molecular classification and treatment options. *British Journal of Haematology*. 140, 6 (Mar. 2008), 610–624.
DOI:<https://doi.org/10.1111/j.1365-2141.2007.06958.x>.

[61]

Niklison-Chirou, M.V. et al. 2017. TAp73 is a marker of glutamine addiction in medulloblastoma. *Genes & Development*. 31, 17 (Sep. 2017), 1738–1753.
DOI:<https://doi.org/10.1101/gad.302349.117>.

[62]

Northcott, P.A. et al. 2012. The clinical implications of medulloblastoma subgroups. *Nature Reviews Neurology*. 8, 6 (Jun. 2012), 340–351.
DOI:<https://doi.org/10.1038/nrneurol.2012.78>.

[63]

O'Connor, D. et al. 2018. Genotype-Specific Minimal Residual Disease Interpretation Improves Stratification in Pediatric Acute Lymphoblastic Leukemia. *Journal of Clinical Oncology*. 36, 1 (Jan. 2018), 34–43. DOI:<https://doi.org/10.1200/JCO.2017.74.0449>.

[64]

O'Connor, D. et al. 2018. Genotype-Specific Minimal Residual Disease Interpretation Improves Stratification in Pediatric Acute Lymphoblastic Leukemia. *Journal of Clinical Oncology*. 36, 1 (Jan. 2018), 34-43. DOI:<https://doi.org/10.1200/JCO.2017.74.0449>.

[65]

Pastorino, F. et al. 2007. Ligand-Targeted Liposomal Therapies of Neuroblastoma. *Current Medicinal Chemistry*. 14, 29 (Dec. 2007), 3070-3078. DOI:<https://doi.org/10.2174/092986707782793916>.

[66]

Pathania, M. et al. 2017. 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 (Nov. 2017), 684-700.e9. DOI:<https://doi.org/10.1016/j.ccell.2017.09.014>.

[67]

Pfister, S. et al. 2009. 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 (Apr. 2009), 457-464. DOI:<https://doi.org/10.1007/s00401-008-0467-y>.

[68]

Phoenix, T.N. et al. 2016. Medulloblastoma Genotype Dictates Blood Brain Barrier Phenotype. *Cancer Cell*. 29, 4 (Apr. 2016), 508-522. DOI:<https://doi.org/10.1016/j.ccell.2016.03.002>.

[69]

Qasim, W. et al. 2017. Molecular remission of infant B-ALL after infusion of universal TALEN gene-edited CAR T cells. *Science Translational Medicine*. 9, 374 (Jan. 2017). DOI:<https://doi.org/10.1126/scitranslmed.aaj2013>.

[70]

Qiao, J. et al. 2012. PI3K/AKT and ERK regulate retinoic acid-induced neuroblastoma cellular differentiation. *Biochemical and Biophysical Research Communications*. 424, 3 (Aug. 2012), 421–426. DOI:<https://doi.org/10.1016/j.bbrc.2012.06.125>.

[71]

Rasaiyaah, J. et al. 2018. TCR $\alpha\beta$ /CD3 disruption enables CD3-specific antileukemic T cell immunotherapy. *JCI Insight*. 3, 13 (Jul. 2018). DOI:<https://doi.org/10.1172/jci.insight.99442>.

[72]

Reynolds, C.P. et al. 2003. Retinoid therapy of high-risk neuroblastoma. *Cancer Letters*. 197, 1–2 (Jul. 2003), 185–192. DOI:[https://doi.org/10.1016/S0304-3835\(03\)00108-3](https://doi.org/10.1016/S0304-3835(03)00108-3).

[73]

Richmond, A. and Su, Y. 2008. Mouse xenograft models vs GEM models for human cancer therapeutics. *Disease Models and Mechanisms*. 1, 2–3 (Sep. 2008), 78–82. DOI:<https://doi.org/10.1242/dmm.000976>.

[74]

Sadelain, M. et al. 2017. Therapeutic T cell engineering. *Nature*. 545, 7655 (May 2017), 423–431. DOI:<https://doi.org/10.1038/nature22395>.

[75]

Schwab, M. 2004. MYCN in neuronal tumours. *Cancer Letters*. 204, 2 (Feb. 2004), 179–187. DOI:[https://doi.org/10.1016/S0304-3835\(03\)00454-3](https://doi.org/10.1016/S0304-3835(03)00454-3).

[76]

Schwalbe, E.C. et al. 2017. Novel molecular subgroups for clinical classification and outcome prediction in childhood medulloblastoma: a cohort study. *The Lancet Oncology*. 18, 7 (Jul. 2017), 958–971. DOI:[https://doi.org/10.1016/S1470-2045\(17\)30243-7](https://doi.org/10.1016/S1470-2045(17)30243-7).

[77]

Schwalbe, Ed.C. et al. 2013. 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 (Dec. 2013), 943–946. DOI:<https://doi.org/10.1007/s00401-013-1206-6>.

[78]

Schwartzentruber, J. et al. 2012. Driver mutations in histone H3.3 and chromatin remodelling genes in paediatric glioblastoma. *Nature*. 482, 7384 (Feb. 2012), 226–231. DOI:<https://doi.org/10.1038/nature10833>.

[79]

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

[80]

Slany, R.K. 2016. The molecular mechanics of mixed lineage leukemia. *Oncogene*. 35, 40 (Oct. 2016), 5215–5223. DOI:<https://doi.org/10.1038/onc.2016.30>.

[81]

Stone, T.J. and Jacques, T.S. 2015. Medulloblastoma: selecting children for reduced treatment. *Neuropathology and Applied Neurobiology*. 41, 2 (Feb. 2015), 106–108. DOI:<https://doi.org/10.1111/nan.12193>.

[82]

Strebhardt, K. and Ullrich, A. 2008. Paul Ehrlich's magic bullet concept: 100 years of progress. *Nature Reviews Cancer*. 8, 6 (Jun. 2008), 473–480. DOI:<https://doi.org/10.1038/nrc2394>.

[83]

Sturm, D. et al. 2012. Hotspot Mutations in H3F3A and IDH1 Define Distinct Epigenetic and

Biological Subgroups of Glioblastoma. *Cancer Cell*. 22, 4 (Oct. 2012), 425–437.
DOI:<https://doi.org/10.1016/j.ccr.2012.08.024>.

[84]

Sturm, D. et al. 2016. New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. *Cell*. 164, 5 (Feb. 2016), 1060–1072.
DOI:<https://doi.org/10.1016/j.cell.2016.01.015>.

[85]

Taylor, Michael D Northcott, Paul A Korshunov, Andrey Remke, Marc Cho, Yoon-jae Molecular subgroups of medulloblastoma: the current consensus. *Acta Neuropathologica*. 123, 3, 465–72.

[86]

Vogelstein, B. et al. 2013. Cancer Genome Landscapes. *Science*. 339, 6127 (Mar. 2013), 1546–1558. DOI:<https://doi.org/10.1126/science.1235122>.

[87]

Vogelstein, B. et al. 2013. Cancer Genome Landscapes. *Science*. 339, 6127 (Mar. 2013), 1546–1558. DOI:<https://doi.org/10.1126/science.1235122>.

[88]

Vora, A. et al. 2014. 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 (Jul. 2014), 809–818.
DOI:[https://doi.org/10.1016/S1470-2045\(14\)70243-8](https://doi.org/10.1016/S1470-2045(14)70243-8).

[89]

Vora, A. et al. 2013. 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 (Mar. 2013), 199–209.
DOI:[https://doi.org/10.1016/S1470-2045\(12\)70600-9](https://doi.org/10.1016/S1470-2045(12)70600-9).

[90]

Wegman-Ostrosky, T. and Savage, S.A. 2017. The genomics of inherited bone marrow failure: from mechanism to the clinic. *British Journal of Haematology*. 177, 4 (May 2017), 526–542. DOI:<https://doi.org/10.1111/bjh.14535>.

[91]

Weinberg, R.A. 2014. *The biology of cancer*. Garland Science.

[92]

Wright, J.H. 1910. NEUROCYTOMA OR NEUROBLASTOMA, A KIND OF TUMOR NOT GENERALLY RECOGNIZED. *The Journal of Experimental Medicine*. 12, 4 (1910). DOI:<https://doi.org/10.1084/jem.12.4.556>.

[93]

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

[94]

Yong, C.S.M. et al. 2017. CAR T-cell therapy of solid tumors. *Immunology and Cell Biology*. 95, 4 (Apr. 2017), 356–363. DOI:<https://doi.org/10.1038/icb.2016.128>.

[95]

Zelent, A. et al. 2004. Role of the TEL-AML1 fusion gene in the molecular pathogenesis of childhood acute lymphoblastic leukaemia. *Oncogene*. 23, 24 (May 2004), 4275–4283. DOI:<https://doi.org/10.1038/sj.onc.1207672>.

[96]

Zhu, S. et al. 2012. Activated ALK Collaborates with MYCN in Neuroblastoma Pathogenesis. *Cancer Cell*. 21, 3 (Mar. 2012), 362–373. DOI:<https://doi.org/10.1016/j.ccr.2012.02.010>.

[97]

2012. Nature Reviews Immunology. 12, 4 (2012).