

Rolf Marschalek
Publications 2006-2018

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Ball A-K, Beilstein K, Wittmann S, Sürün D, Saul MJ, Schnütgen F, Flamand N, Capelo R, Kahnt AS, Frey H, Schaefer L, **Marschalek R**, Häfner A-K, Steinhilber D (2017) Characterization and cellular localization of human 5-lipoxygenase and its protein isoforms 5-LOΔ13, 5-LOΔ4 and 5-LOp12. **BBA-Molecular and Cell Biology of Lipids** 1862:561-571. <http://dx.doi.org/10.1016/j.bbalip.2017.02.015>

Ibrahim AA, Schmithals C, Kowarz E, Köberle V, Kakoschky B, Pleli T, Kollmar O, Nitsch S, Waidmann O, Finkelmeier F, Zeuzem S, Korf H-W, Schmid T, Weigert A, Kronenberger B, **Marschalek R**, Piiper A (2017) Hypoxia causes down-regulation of Dicer in hepatocellular carcinoma, which is required for up-regulation of hypoxia inducible factor 1α and epithelial-mesenchymal transition. **Clin Cancer Res** 23:3896-3905. <http://dx.doi.org/10.1158/1078-0432.ccr-16-1762>

Malinowska I, Sikorska-Fic B, Romiszewska M, Stefaniak A, Pastwinska A, Gorska E, Popko K, Meyer C, **Marschalek R**, Szczepanski T (2017) A Case of Acute Myeloid Leukemia with Novel Translocation t(6;11)(p22.2;q23) and Concurrent Insertion ins(11;9)(q23;p21.3p21.3). **Adv Exp Med Biol**:published online 8 August 2017. http://dx.doi.org/10.1007/5584_2017_86

Prieto C, **Marschalek R**, Kuhn A, Bursen A, Bueno C, Menendez P (2017) The AF4-MLL fusion transiently augments multilineage hematopoietic engraftment but is not sufficient to initiate leukemia in cord blood CD34+ cells. **Oncotarget** 8:81936-81941. <http://dx.doi.org/10.18632/oncotarget.19567>

Saul MJ, Groher F, Hegewald AB, Müller-McNicoll M, **Marschalek R**, Suess B, Steinhilber D (2017) TGFbeta/SMAD signalling modulates MLL and MLL-AF4 mediated 5-lipoxygenase promoter activation. **Prostaglandins Other Lipid Mediat** 133:60-67.
<http://dx.doi.org/10.1016/j.prostaglandins.2017.07.006>

Smith MJ, Ottoni E, Ishiyama N, Goudreault M, Haman A, Meyer C, Tucholska M, Gasmu-Seabrook G, Menezes S, Laister RC, Minden MD, **Marschalek R**, Gingras AC, Hoang T, Ikura M (2017) Evolution of AF6-RAS association and its implications in mixed-lineage leukemia. **Nat Commun** 8:1099. <http://dx.doi.org/10.1038/s41467-017-01326-5>

Steinhilber D, **Marschalek R** (2017) How to effectively treat acute leukemia patients bearing MLL-rearrangements? **Biochem Pharmacol**:published online 21 September 2017.
<http://dx.doi.org/10.1016/j.bcp.2017.09.007>

Castano J, Herrero AB, Bursen A, Gonzalez F, **Marschalek R**, Gutierrez NC, Menendez P (2016) Expression of MLL-AF4 or AF4-MLL fusions does not impact the efficiency of DNA damage repair. **Oncotarget** 7:30440-30452. <http://dx.doi.org/10.18632/oncotarget.8938>

Kuhn A, Loscher D, **Marschalek R** (2016) The IRX1/HOXA connection: insights into a novel t(4;11)-specific cancer mechanism. **Oncotarget** 7:35341-35352. <http://dx.doi.org/10.18632/oncotarget.9241>

Lopes BA, Meyer C, Barbosa TC, zur Stadt U, Horstmann M, Venn NC, Heatley S, White DL, Sutton R, Pombo-de-Oliveira MS, **Marschalek R**, Emerenciano M (2016) COBL is a novel hotspot for IKZF1 deletions in childhood acute lymphoblastic leukemia. **Oncotarget** 7:53064-53073.
<http://dx.doi.org/10.18632/oncotarget.10590>

Marschalek R (2016) Systematic classification of mixed-lineage leukemia fusion partners predicts additional cancer pathways. **Ann Lab Med** 36:85-100. <http://dx.doi.org/10.3343/alm.2016.36.2.85>

Muck F, Bracharz S, **Marschalek R** (2016) DDX6 transfers P-TEFb kinase to the AF4/AF4N (AFF1) super elongation complex. **Am J Blood Res** 6:28-45.

Obser T, Ledford-Kraemer M, Oyen F, Brehm MA, Denis CV, **Marschalek R**, Montgomery RR, Sadler JE, Schneppenheim S, Budde U, Schneppenheim R (2016) Identification and characterization of the elusive mutation causing the historical von Willebrand Disease type IIC Miami. *J Thromb Haemost* 14:1725-1735. <http://dx.doi.org/10.1111/jth.13398>

Prieto C, Stam RW, Agraz-Doblas A, Ballerini P, Camos M, Castano J, **Marschalek R**, Bursen A, Varela I, Bueno C, Menendez P (2016) Activated KRAS cooperates with MLL-AF4 to promote extramedullary engraftment and migration of cord blood CD34(+) HSPC but is insufficient to initiate leukemia. *Cancer Res* 76:2478-2489. <http://dx.doi.org/10.1158/0008-5472.can-15-2769>

Ahmad K, Scholz B, Capelo R, Schweighofer I, Kahnt AS, **Marschalek R**, Steinhilber D (2015) AF4 and AF4-MLL mediate transcriptional elongation of 5-lipoxygenase mRNA by 1, 25-dihydroxyvitamin D-3. *Oncotarget* 6:25784-25800. <http://dx.doi.org/10.18632/oncotarget.4703>

Burmeister T, Meyer C, Groger D, Hofmann J, **Marschalek R** (2015) Evidence-based RT-PCR methods for the detection of the 8 most common MLL aberrations in acute leukemias. *Leuk Res* 39:242-247. <http://dx.doi.org/10.1016/j.leukres.2014.11.017>

Burmeister T, Meyer C, Groger D, Hofmann J, **Marschalek R** (2015) Evidence-based RT-PCR methods for the detection of the 8 most common MLL aberrations in acute leukemias (vol 39, pg 242, 2015). *Leuk Res* 39:925-925. <http://dx.doi.org/10.1016/j.leukres.2015.05.011>

Emerenciano M, Barbosa TD, Lopes BD, Meyer C, **Marschalek R**, Pombo-de-Oliveira MS (2015) Subclonality and prenatal origin of RAS mutations in KMT2A (MLL)-rearranged infant acute lymphoblastic leukaemia. *Br J Haematol* 170:268-271. <http://dx.doi.org/10.1111/bjh.13279>

Garcia DRN, Liehr T, Emerenciano M, Meyer C, **Marschalek R**, Pombo-de-Oliveira MD, Ribeiro RC, Land MGP, Silva MLM (2015) Molecular studies reveal a MLL-MLLT3 gene fusion displaced in a case of childhood acute lymphoblastic leukemia with complex karyotype. *Cancer Genet* 208:143-147. <http://dx.doi.org/10.1016/j.cancergen.2015.02.002>

Garcia DRN, Liehr T, Emerenciano M, Meyer C, **Marschalek R**, Pombo-de-Oliveira MD, Ribeiro RC, Land MGP, Silva MLM (2015) Molecular studies reveal a MLL-MLLT3 gene fusion displaced in a case of childhood acute lymphoblastic leukemia with complex karyotype. *Cancer Genet* 208:143-147. <http://dx.doi.org/10.1016/j.cancergen.2015.02.002>

Kowarz E, Loscher D, **Marschalek R** (2015) Optimized sleeping beauty transposons rapidly generate stable transgenic cell lines. *Biotechnol J* 10:647-U367. <http://dx.doi.org/10.1002/biot.201400821>

Marschalek R (2015) MLL leukemia and future treatment strategies. *Arch Pharm* 348:221-228. <http://dx.doi.org/10.1002/ardp.201400449>

Matveeva E, Kazakova A, Olshanskaya Y, Tsaur G, Shelikhova L, Meyer C, **Marschalek R**, Novichkova G, Maschan M, Maschan A (2015) A new variant of KMT2A(MLL)-FLNA fusion transcript in acute myeloid leukemia with ins(X;11)(q28;q23q23). *Cancer Genet* 208:148-151. <http://dx.doi.org/10.1016/j.cancergen.2015.03.001>

Richmond J, Carol H, Evans K, High L, Mendomo A, Robbins A, Meyer C, Venn NC, **Marschalek R**, Henderson M, Sutton R, Kurmasheva RT, Kees UR, Houghton PJ, Smith MA, Lock RB (2015) Effective targeting of the P53-MDM2 axis in preclinical models of infant MLL-rearranged acute lymphoblastic leukemia. *Clin Cancer Res* 21:1395-1405. <http://dx.doi.org/10.1158/1078-0432.ccr-14-2300>

Sabiani S, Geppert T, Engelbrecht C, Kowarz E, Schneider G, **Marschalek R** (2015) Unraveling the activation mechanism of taspinase1 which controls the oncogenic AF4-MLL fusion protein. *EBioMedicine* 2:386-395. <http://dx.doi.org/10.1016/j.ebiom.2015.04.009>

Sanjuan-Pla A, Bueno C, Prieto C, Acha P, Stam RW, **Marschalek R**, Menendez P (2015) Revisiting the biology of infant t(4;11)/MLL-AF4(+) B-cell acute lymphoblastic leukemia. *Blood* 126:2676-2685. <http://dx.doi.org/10.1182/blood-2015-09-667378>

Scholz B, Kowarz E, Rossler T, Ahmad K, Steinhilber D, **Marschalek R** (2015) AF4 and AF4N protein complexes: recruitment of P-TEFb kinase, their interactome and potential functions. *Am J Blood Res* 5:10-24.

Szotkowski T, Jarosova M, Zimmermannova O, Meyer C, **Marschalek R**, Zuna J, Hubacek J, Indrak K (2015) Long-term remission of therapy-related acute myeloid leukemia with a new t(11;18)(q23;q21.2) translocation and KMT2A-ME2 (MLL-ME2) fusion gene. *Cancer Genet* 208:610-614.
<http://dx.doi.org/10.1016/j.cancergen.2015.09.004>

Adriano N, Iachelli V, Mirabile E, **Marschalek R**, Meyer C, Tamburino L, Lo Nigro L (2014) Backtracking MLL-AF6 and mutations in KRAS-MAPK pathway in a child with acute myelomonocytic Leukemia (AMML): what's happened in utero? *J Pediatr Hematol Oncol* 36:E262-E262.

Ahlmann M, Meyer C, **Marschalek R**, Burkhardt B, Koehler G, Klapper W, Juergens H, Rossig C (2014) Complex MLL rearrangement in non-infiltrated bone marrow in an infant with stage II precursor B-lymphoblastic lymphoma. *Eur J Haematol* 93:349-353. <http://dx.doi.org/10.1111/ejh.12314>

Ahmad K, Katryniok C, Scholz B, Merkens J, Loscher D, **Marschalek R**, Steinhilber D (2014) Inhibition of class I HDACs abrogates the dominant effect of MLL-AF4 by activation of wild-type MLL. *Oncogenesis* 3:e127. <http://dx.doi.org/e127>
10.1038/oncsis.2014.39

Coenen EA, Zwaan CM, Stary J, Baruchel A, de Haas V, Stam RW, Reinhardt D, Kaspers GJL, Arentsen-Peters S, Meyer C, **Marschalek R**, Nigro LL, Dworzak M, Pieters R, van den Heuvel-Eibrink MM (2014) Unique BHLHB3 overexpression in pediatric acute myeloid leukemia with t(6;11)(q27;q23). *Leukemia* 28:1564-1568. <http://dx.doi.org/10.1038/leu.2014.82>

Douet-Guilbert N, Eveillard JR, Meyer C, Ugo V, Le Bris MJ, Basinko A, Morel F, **Marschalek R**, De Braekeleer M (2014) MLL partner genes in secondary acute lymphoblastic leukemia: Report of a new partner PRRC1 and review of the literature. *Leuk Res* 38:1316-1319.
<http://dx.doi.org/10.1016/j.leukres.2014.08.011>

Douet-Guilbert N, Meyer C, Eveillard JR, Ugo V, Le Bris MJ, Basinko A, Morel F, **Marschalek R**, De Braekeleer M (2014) Identification of mll-prrc1, a novel fusion gene, in a case of therapy-related acute lymphoblastic leukemia. *Anticancer Res* 34:5879-5879.

Emerenciano M, Barbosa TC, Lopes BA, Blunck CB, Faro A, Andrade C, Meyer C, **Marschalek R**, Pombo-de-Oliveira MS, Brazilian Collaborative Study G (2014) ARID5B polymorphism confers an increased risk to acquire specific MLL rearrangements in early childhood leukemia. *BMC Cancer* 14:1-7. <http://dx.doi.org/127>
10.1186/1471-2407-14-127

Launay E, Henry C, Meyer C, Chappe C, Taque S, Boulland ML, Ben Abdelali R, Dugay F, **Marschalek R**, Bastard C, Fest T, Gandemer V, Belaud-Rotureau MA (2014) MLL-SEPT5 fusion transcript in infant acute myeloid leukemia with t(11;22)(q23;q11). *Leuk Lymphoma* 55:662-667.
<http://dx.doi.org/10.3109/10428194.2013.809528>

Montes R, Ayllón V, Prieto C, Bursen A, Prelle C, Romero-Moya D, Real PJ, Montero-Navarro O, Chillón C, **Marschalek R**, Bueno C, Menendez P (2014) Ligand-independent FLT3 activation does not cooperate with MLL-AF4 to immortalize/transform cord blood CD34+ cells. *Leukemia* 28:666-674.
<http://dx.doi.org/10.1038/leu.2013.346>

Pastorcza A, Szczepanski T, Trelińska J, Ferreiro JF, Włodarska I, Mycko K, Polucha A, Sedek L, Meyer C, **Marschalek R**, Mlynarski W (2014) Secondary acute monocytic leukemia positive for 11q23 rearrangement in Nijmegen breakage syndrome. *Pediatr Blood Cancer* 61:1469-1471.
<http://dx.doi.org/10.1002/pbc.24994>

Tsaur GA, Meyer C, Popov AM, Plekhanova OM, Kustanovich AM, Volochnik EV, Riger TO, Demina AS, Druy AE, Fleischman EW, Sokova OI, Olshanskaya YV, Streneva OV, Shorikov EV, Saveliev LI, **Marschalek R**, Kutsev SI, Tsvirensko SV, Fechina LG (2014) Detection of MLL genomic breakpoints in infant acute leukemia. *Gematol Transfuziol* 59:29-37.

Wachter K, Kowarz E, **Marschalek R** (2014) Functional characterisation of different MLL fusion proteins by using inducible Sleeping Beauty vectors. *Cancer Lett* 352:196-202.
<http://dx.doi.org/10.1016/j.canlet.2014.06.016>

Wegner MS, Wanger RA, Oertel S, Brachtendorf S, Hartmann D, Schiffmann S, **Marschalek R**, Schreiber Y, Ferreiros N, Geisslinger G, Grosch S (2014) Ceramide synthases CerS4 and CerS5 are upregulated by 17 beta-estradiol and GPER1 via AP-1 in human breast cancer cells. *Biochem Pharmacol* 92:577-589. <http://dx.doi.org/10.1016/j.bcp.2014.10.007>

Yang JJ, Park TS, Lee ST, Seo JY, Oh SH, Cho EH, Burmeister T, Ludwig WD, Meyer C, **Marschalek R**, Kim HJ, Kim SH (2014) Molecular characterization and clinical course of MLL-*ACTN4* rearrangement in therapy-related hematologic malignancies. *Haematologica* 99:E49-E51.
<http://dx.doi.org/10.3324/haematol.2013.102798>

Yang JJ, Park TS, Lee ST, Seo JY, Oh SH, Cho EH, Strehl S, Muhlegger N, Dworzak MN, Zuna J, Pospisilova D, Meyer C, **Marschalek R**, Kim HJ, Kim SH (2014) Molecular characterization and clinical impact of t(11;15)(q23;q14-15) MLL-CASC5 rearrangement. *Haematologica* 99:e095638.
<http://dx.doi.org/10.3324/haematol.2013.095638>

Binato R, Meyer C, Macedo-Silva ML, Garcia D, Figueiredo A, Hofmann J, Vieira TP, Abdelhay E, **Marschalek R** (2013) Analyzing acute leukemia patients with complex MLL rearrangements by a sequential LDI-PCR approach. *Cancer Lett* 338:249-254.
<http://dx.doi.org/10.1016/j.canlet.2013.03.029>

Emerenciano M, Kowarz E, Karl K, de Almeida Lopes B, Scholz B, Bracharz S, Meyer C, Pombo-de-Oliveira MS, **Marschalek R** (2013) Functional analysis of the two reciprocal fusion genes MLL-NEBL and NEBL-MLL reveal their oncogenic potential. *Cancer Lett* 332:30-34.
<http://dx.doi.org/10.1016/j.canlet.2012.12.023>

Emerenciano M, Meyer C, Mansur MB, **Marschalek R**, Pombo-de-Oliveira MS, Grp BCS (2013) The distribution of MLL breakpoints correlates with outcome in infant acute leukaemia. *Brit J Haematol* 161:224-236. <http://dx.doi.org/10.1111/Bjh.12250>

Ia Buscato E, Buttner D, Bruggerhoff A, Klingler FM, Weber J, Scholz B, Zivkovic A, **Marschalek R**, Stark H, Steinhilber D, Bode HB, Proschak E (2013) From a multipotent stilbene to soluble epoxide hydrolase inhibitors with antiproliferative properties. *Chemmedchem* 8:919-923.
<http://dx.doi.org/10.1002/cmdc.201300057>

Lee SG, Cho SY, Kim MJ, Oh SH, Cho EH, Lee S, Baek EJ, Choi JH, Bohlander SK, Lode L, Richebourg S, Yoon HJ, **Marschalek R**, Meyer C, Park TS (2013) Genomic breakpoints and clinical features of MLL-TET1 rearrangement in acute leukemias. *Haematologica* 98:E55-E57.
<http://dx.doi.org/10.3324/haematol.2012.076323>

Meyer C, Hofmann J, Burmeister T, Groger D, Park TS, Emerenciano M, de Oliveira MP, Renneville A, Villarese P, Macintyre E, Cave H, Clappier E, Mass-Malo K, Zuna J, Trka J, De Braekeleer E, De Braekeleer M, Oh SH, Tsaur G, Fechina L, van der Velden VHJ, van Dongen JJM, Delabesse E, Binato R, Silva MLM, Kustanovich A, Aleinikova O, Harris MH, Lund-Aho T, Juvonen V, Heidenreich O, Vormoor J, Choi WWL, Jarosova M, Kolenova A, Bueno C, Menendez P, Wehner S, Eckert C, Talmant P, Tondeur S, Lippert E, Launay E, Henry C, Ballerini P, Lapillone H, Callanan MB, Cayuela JM, Herbaux C, Cazzaniga G, Kakadiya PM, Bohlander S, Ahlmann M, Choi JR, Gameiro P, Lee DS, Krauter J, Cornillet-Lefebvre P, Kronnie GT, Schafer BW, Kubetzko S, Alonso CN, Stadt UZ, Sutton R, Venn NC, Israeli S, Trakhtenbrot L, Madsen HO, Archer P, Hancock J, Cerveira N, Teixeira MR, Lo Nigro L, Moricke A, Stanulla M, Schrappe M, Sedek L, Szczepanski T, Zwaan CM, Coenen EA, van den Heuvel-Eibrink MM, Strehl S, Dworzak M, Panzer-Grumayer R, Dingermann T, Klingebiel T, **Marschalek R** (2013) The MLL recombinome of acute leukemias in 2013. *Leukemia* 27:2165-2176.
<http://dx.doi.org/10.1038/Leu.2013.135>

Meyer C, Zur Stadt U, Escherich G, Hofmann J, Binato R, Barbosa TdC, Emerenciano M, Pombo-de-Oliveira MS, Horstmann M, **Marschalek R** (2013) Refinement of IKZF1 recombination hotspots in pediatric BCP-ALL patients. *Am J Blood Res* 3:165-173.

Morak M, Meyer C, **Marschalek R**, Mann G, Haas OA, Panzer-Grumayer R (2013) Clone-specific secondary aberrations are not detected in neonatal blood spots of children with ETV6-RUNX1-positive leukemia. *Haematologica* 98:E108-E110. <http://dx.doi.org/10.3324/haematol.2013.090860>

Oh SJ, Park TS, Lee JY, Mun YC, Seong CM, **Marschalek R**, Meyer C, Chung WS, Huh J (2013) Acute promyelocytic leukemia with a rare PML exon 4/RARA exon 3 fusion transcript variant. *Acta Haematologica* 130:176-180. <http://dx.doi.org/10.1159/000348551>

Prelle C, Bursen A, Dingermann T, **Marschalek R** (2013) Secondary mutations in t(4;11) leukemia patients. *Leukemia* 27:1425-1427. <http://dx.doi.org/10.1038/Leu.2012.365>

Rössler T, **Marschalek R** (2013) An alternative splice process renders the MLL protein either into a transcriptional activator or repressor. *Die Pharmazie* 68:601-607.

Tuborgh A, Meyer C, **Marschalek R**, Preiss B, Hasle H, Kjeldsen E (2013) Complex three-way translocation involving MLL, ELL, RREB1, and CMAHP genes in an infant with acute myeloid leukemia and t(6;19;11)(p22.2;p13.1;q23.3). *Cytogenet Genome Res* 141:7-15. <http://dx.doi.org/10.1159/000351224>

Yang JJ, Oh SH, Meyer C, **Marschalek R**, Park TS (2013) RE: Acute myeloid leukemia associated with FGFR1 abnormalities. *International Journal of Hematology* 98:139-140. <http://dx.doi.org/10.1007/s12185-013-1377-x>

Burmeister T, Molkentin M, Meyer C, Lachmann N, Schwartz S, Friedrichs B, Beyer J, Blau IW, Lohm G, Tietze-Burger C, **Marschalek R**, Uharek L (2012) Molecular monitoring of minimal residual disease in two patients with MLL-rearranged acute myeloid leukemia and haploidentical transplantation after relapse. *Experimental Hematology & Oncology* 1:6. <http://dx.doi.org/10.1186/2162-3619-1-6>

Cerveira N, Lisboa S, Correia C, Bizarro S, Santos J, Torres L, Vieira J, Barros-Silva JD, Pereira D, Moreira C, Meyer C, Oliva T, Moreira I, Martins A, Viterbo L, Costa V, **Marschalek R**, Pinto A, Mariz JM, Teixeira MR (2012) Genetic and clinical characterization of 45 acute leukemia patients with MLL gene rearrangements from a single institution. *Mol Oncol* 6:553-564. <http://dx.doi.org/10.1016/j.molonc.2012.06.004>

Coenen EA, Driessen EMC, Zwaan CM, Stary J, Baruchel A, de Haas V, de Bont E, Reinhardt D, Kaspers GJL, Arentsen-Peters S, Meyer C, **Marschalek R**, Pieters R, Stam RW, van den Heuvel-Eibrink MM (2012) CBL mutations do not frequently occur in paediatric acute myeloid leukaemia. *Brit J Haematol* 159:577-584. <http://dx.doi.org/10.1111/bjh.12068>

Coenen EA, Zwaan CM, Meyer C, **Marschalek R**, Creutzig U, Pieters R, Bradtke J, van den Heuvel-Eibrink MM (2012) Abl-interactor 2 (ABI2): A novel MLL translocation partner in acute myeloid leukemia. *Leukemia Res* 36:E113-E115. <http://dx.doi.org/10.1016/j.leukres.2012.01.005>

Hartmann D, Lucks J, Fuchs S, Schiffmann S, Schreiber Y, Ferreiros N, Merkens J, **Marschalek R**, Geisslinger G, Grosch S (2012) Long chain ceramides and very long chain ceramides have opposite effects on human breast and colon cancer cell growth. *Int J Biochem Cell B* 44:620-628.

Kim MJ, Yang JJ, Meyer C, **Marschalek R**, Park TS (2012) Molecular methods for genomic analyses of variant PML-RARA or other RARA-related chromosomal translocations in acute promyelocytic leukemia. *Korean J Hematol* 47:307-308. <http://dx.doi.org/10.5045/kjh.2012.47.4.307>

Lee SG, Park TS, Yang JJ, Oh SH, Cho EH, Lee SY, Oh D, Huh JY, **Marschalek R**, Meyer C (2012) Molecular identification of a new splicing variant of the MLL-MLLT11 fusion transcript in an adult with acute myeloid leukemia and t(1;11)(q21;q23). *Acta Haematol* 128:131-138. <http://dx.doi.org/10.1159/000338258>

Scholz B, **Marschalek R** (2012) Epigenetics and blood disorders. *Brit J Haematol* 158:307-322. <http://dx.doi.org/10.1111/j.1365-2141.2012.09193.x>

Turkmen S, Timmermann B, Bartels G, Groger D, Meyer C, Schwartz S, Haferlach C, Rieder H, Gokbuget N, Hoelzer D, **Marschalek R**, Burmeister T (2012) Involvement of the MLL gene in adult T-lymphoblastic leukemia. *Gene Chromosome Canc* 51:1114-1124.
<http://dx.doi.org/10.1002/gcc.21996>

Ussowicz M, Jaskowiec A, Meyer C, **Marschalek R**, Chybicka A, Szczepanski T, Haus O (2012) A three-way translocation of MLL, MLLT11, and the novel reciprocal partner gene MYO18A in a child with acute myeloid leukemia. *Cancer Genet-NY* 205:261-265.
<http://dx.doi.org/10.1016/j.cancergen.2012.02.006>

Yang JJ, Park TS, Choi JR, Park SJ, Cho SY, Jun KR, Kim HR, Lee JN, Oh SH, Lee S, Kim B, **Marschalek R**, Meyer C (2012) Submicroscopic deletion of FGFR1 gene is recurrently detected in myeloid and lymphoid neoplasms associated with ZMYM2-FGFR1 rearrangements: a case study. *Acta Haematol* 127:119-123. <http://dx.doi.org/10.1159/000334707>

Balgobind BV, Van den Heuvel-Eibrink MM, De Menezes RX, Reinhardt D, Hollink I, Arentsen-Peters S, van Wering ER, Kaspers GJL, Cloos J, de Bont E, Cayuela JM, Baruchel A, Meyer C, **Marschalek R**, Trka J, Stary J, Beverloo HB, Pieters R, Zwaan CM, den Boer ML (2011) Evaluation of gene expression signatures predictive of cytogenetic and molecular subtypes of pediatric acute myeloid leukemia. *Haematol-Hematol J* 96:221-230. <http://dx.doi.org/10.3324/haematol.2010.029660>

Benedikt A, Baltruschat S, Scholz B, Bursen A, Arrey TN, Meyer B, Varagnolo L, Müller AM, Karas M, Dingermann T, **Marschalek R** (2011) The leukemogenic AF4-MLL fusion protein causes P-TEFb kinase activation and altered epigenetic signatures. *Leukemia* 25:135-144.
<http://dx.doi.org/10.1038/leu.2010.249>

Bier C, Knauer SK, Klapthor A, Schweitzer A, Rekik A, Kramer OH, **Marschalek R**, Stauber RH (2011) Cell-based analysis of structure-function activity of threonine Aspartase 1. *J Biol Chem* 286:3007-3017. <http://dx.doi.org/10.1074/jbc.M110.161646>

Cin H, Meyer C, Herr R, Janzarik WG, Lambert S, Jones DTW, Jacob K, Benner A, Witt H, Remke M, Bender S, Falkenstein F, Ton NVA, Olbrich H, von Deimling A, Pekrun A, Kulozik AE, Gnekow A, Scheurlen W, Witt O, Omran H, Jabado N, Collins VP, Brummer T, **Marschalek R**, Lichter P, Korshunov A, Pfister SM (2011) Oncogenic FAM131B-BRAF fusion resulting from 7q34 deletion comprises an alternative mechanism of MAPK pathway activation in pilocytic astrocytoma. *Acta Neuropathol* 121:763-774. <http://dx.doi.org/10.1007/s00401-011-0817-z>

Coenen EA, Zwaan CM, Meyer C, **Marschalek R**, Pieters R, van der Veken LT, Beverloo HB, van den Heuvel-Eibrink MM (2011) KIAA1524: A novel MLL translocation partner in acute myeloid leukemia. *Leukemia Res* 35:133-135. <http://dx.doi.org/10.1016/j.leukres.2010.08.017>

De Braekeleer E, Meyer C, Douet-Guilbert N, Basinko A, Le Eris MJ, Morel F, Berthou C, **Marschalek R**, Ferec C, De Braekeleer M (2011) Identification of MLL partner genes in 27 patients with acute leukemia from a single cytogenetic laboratory. *Mol Oncol* 5:555-563.
<http://dx.doi.org/10.1016/j.molonc.2011.08.003>

Knauer SK, Fetz V, Rabenstein J, Friedl S, Hofmann B, Sabiani S, Schroder E, Kunst L, Proschak E, Thines E, Kindler T, Schneider G, **Marschalek R**, Stauber RH, Bier C (2011) Bioassays to monitor taspase1 function for the identification of pharmacogenetic inhibitors. *PLoS ONE* 6:e18253.
<http://dx.doi.org/e18253>
10.1371/journal.pone.0018253

Kuhlein HN, Tegeder I, Moser C, Lim H-Y, Haussler A, Spieth K, Jennes I, **Marschalek R**, Beckhaus T, Karas M, Fauth M, Ehner C, Geisslinger G, Niederberger E (2011) Nerve injury evoked loss of latexin expression in spinal cord neurons contributes to the development of neuropathic pain. *PLoS ONE* 6:e19270.

Kuipers JE, Coenen EA, Balgobind BV, Stary J, Baruchel A, de Haas V, de Bont E, Reinhardt D, Kaspers GJL, Cloos J, Danen-van Oorschot AA, den Boer ML, **Marschalek R**, Meyer C, Pieters R, Zwaan CM, van den Heuvel-Eibrink MM (2011) High IGSF4 expression in pediatric M5 acute myeloid leukemia with t(9;11)(p22;q23). *Blood* 117:928-935. <http://dx.doi.org/10.1182/blood-2010-05-286138>

Kuster L, Grausenburger R, Fuka G, Kaindl U, Krapf G, Inthal A, Mann G, Kauer M, Rainer J, Kofler R, Hall A, Metzler M, Meyer LH, Meyer C, Harbott J, **Marschalek R**, Strehl S, Haas OA, Panzer-Grumayer R (2011) ETV6/RUNX1-positive relapses evolve from an ancestral clone and frequently acquire deletions of genes implicated in glucocorticoid signaling. **Blood** 117:2658-2667. <http://dx.doi.org/10.1182/blood-2010-03-275347>

Lee SG, Park TS, Oh SH, Park JC, Yang YJ, **Marschalek R**, Meyer C, Cho EH, Shin SY (2011) De novo acute myeloid leukemia associated with t(11;17)(q23;q25) and MLL-SEPT9 rearrangement in an elderly patient: a case study and review of the literature. **Acta Haematol** 126:195-198. <http://dx.doi.org/10.1159/000329389>

Marschalek R (2011) Mechanisms of leukemogenesis by MLL fusion proteins. **Brit J Haematol** 152:141-154. <http://dx.doi.org/10.1111/j.1365-2141.2010.08459.x>

Meyer C, Kowarz E, Yip SF, Wan TSK, Chan TK, Dingermann T, Chan LC, **Marschalek R** (2011) A complex MLL rearrangement identified five years after initial MDS diagnosis results in out-of-frame fusions without progression to acute leukemia. **Cancer Genet Cytogen** 204:557-562. <http://dx.doi.org/10.1016/j.cancergen.2011.10.001>

Pless B, Oehm C, Knauer S, Stauber RH, Dingermann T, **Marschalek R** (2011) The heterodimerization domains of MLL-FYRN and FYRC-are potential target structures in t(4;11) leukemia. **Leukemia** 25:663-670. <http://dx.doi.org/10.1038/leu.2010.308>

Roth L, **Marschalek R**, Oldenburg J, Oyen F, Schneppenheim R (2011) Characterisation of two novel large F8 deletions in patients with severe haemophilia A and factor VIII inhibitors. **Thromb Haemost** 105:279-284. <http://dx.doi.org/10.1160/th10-09-0570>

Zaliova M, Meyer C, Cario G, Vaskova M, **Marschalek R**, Stary J, Zuna J, Trka J (2011) TEL/AML1-Positive patients lacking TEL exon 5 resemble canonical TEL/AML1 cases. **Pediatr Blood Cancer** 56:217-225. <http://dx.doi.org/10.1002/pbc.22686>

Alonso CN, Meyer C, Gallego MS, Rossi JG, Mansini AP, Rubio PL, Medina A, **Marschalek R**, Felice MS (2010) BTBD18: A novel MLL partner gene in an infant with acute lymphoblastic leukemia and inv(11)(q13;q23). **Leukemia Res** 34:E294-E296. <http://dx.doi.org/10.1016/j.leukres.2010.06.006>

Balgobind BV, Zwaan CM, Reinhardt D, Arentsen-Peters T, Hollink I, de Haas V, Kaspers GJL, de Bont E, Baruchel A, Stary J, Meyer C, **Marschalek R**, Creutzig U, den Boer ML, Pieters R, van den Heuvel-Eibrink MM (2010) High BRE expression in pediatric MLL-rearranged AML is associated with favorable outcome. **Leukemia** 24:2048-2055. <http://dx.doi.org/10.1038/leu.2010.211>

Bursen A, Schwabe K, Ruster B, Henschler R, Ruthardt M, Dingermann T, **Marschalek R** (2010) The AF4.MLL fusion protein is capable of inducing ALL in mice without requirement of MLL.AF4. **Blood** 115:3570-3579. <http://dx.doi.org/10.1182/blood-2009-06-229542>

Cerveira N, Meyer C, Santos J, Torres L, Lisboa S, Pinheiro M, Bizarro S, Correia C, Norton L, **Marschalek R**, Teixeira MR (2010) A novel spliced fusion of MLL with CT45A2 in a pediatric biphenotypic acute leukemia. **BMC Cancer** 10:518.

Coser VM, Meyer C, Basegio R, Menezes J, **Marschalek R**, Pombo-De-Oliveira MS (2010) Nebulette is the second member of the nebulin family fused to the MLL gene in infant leukemia. **Cancer Genet Cytogen** 198:151-154. <http://dx.doi.org/10.1016/j.cancergen.2009.12.013>

De Braekeleer E, Meyer C, Douet-Guilbert N, Morel F, Le Bris MJ, Berthou C, Arnaud B, **Marschalek R**, Ferec C, De Braekeleer M (2010) Complex and cryptic chromosomal rearrangements involving the MLL gene in acute leukemia: A study of 7 patients and review of the literature. **Blood Cell Mol Dis** 44:268-274. <http://dx.doi.org/10.1016/j.bcmd.2010.02.011>

De Braekeleer E, Meyer C, Le Bris MJ, Douet-Guilbert N, Basinko A, Morel F, Berthou C, **Marschalek R**, Ferec C, De Braekeleer M (2010) Identification of a MLL-MLLT4 fusion gene resulting from a t(6;11)(q27;q23) presenting as a del(11q) in a child with T-cell acute lymphoblastic leukemia. **Leukemia Lymphoma** 51:1570-1573. <http://dx.doi.org/10.3109/10428194.2010.494261>

Eberle I, Pless B, Braun M, Dingermann T, **Marschalek R** (2010) Transcriptional properties of human NANOG1 and NANOG2 in acute leukemic cells. *Nucleic Acids Res* 38:5384-5395.
<http://dx.doi.org/10.1093/nar/gkq307>

Hutter C, Attarbaschi A, Fischer S, Meyer C, Dworzak M, Konig M, **Marschalek R**, Mann G, Haas OA, Panzer-Grumayer ER (2010) Acute monocytic leukaemia originating from MLL-MLLT3-positive pre-B cells. *Brit J Haematol* 150:621-623. <http://dx.doi.org/10.1111/j.1365-2141.2010.08239.x>

Lee SG, Park TS, Won SC, Song J, Lee KA, Choi JR, **Marschalek R**, Meyer C (2010) Three-way translocation involving MLL, MLLT1, and a novel third partner, NRXN1, in a patient with acute lymphoblastic leukemia and t(2;19;11) (p12;p13.3;q23). *Cancer Genet Cytogen* 197:32-38.

Marschalek R (2010) Mixed lineage leukemia: roles in human malignancies and potential therapy. *FEBS J* 277:1822-1831. <http://dx.doi.org/10.1111/j.1742-4658.2010.07608.x>

Zuna J, Zaliova M, Muzikova K, Meyer C, Lizcova L, Zemanova Z, Brezinova J, Votava F, **Marschalek R**, Stary J, Trka J (2010) Acute leukemias with ETV6/ABL1 (TEL/ABL) fusion: poor prognosis and prenatal origin. *Gene Chromosome Canc* 49:873-884. <http://dx.doi.org/10.1002/gcc.20796>

Balgobind BV, Zwaan CM, Meyer C, **Marschalek R**, Pieters R, Beverloo HB, Van den Heuvel-Eibrink MM (2009) NRIP3: a novel translocation partner of MLL detected in a pediatric acute myeloid leukemia with complex chromosome 11 rearrangements. *Haematol-Hematol J* 94:1033-1034.
<http://dx.doi.org/10.3324/haematol.2008.004564>

Burmeister T, Meyer C, Schwartz S, Hofmann J, Molkentin M, Kowarz E, Schneider B, Raff T, Reinhardt R, Gökbüget N, Hoelzer D, Thiel E, **Marschalek R** (2009) The MLL recombinome of adult CD10-negative B-cell precursor acute lymphoblastic leukemia: results from the GMALL study group. *Blood* 113:4011-4015. <http://dx.doi.org/10.1182/blood-2008-10-183483>

De Braekeleer E, Douet-Guilbert N, Morel F, Le Bris MJ, Meyer C, **Marschalek R**, Ferec C, De Braekeleer M (2009) FLNA, a new partner gene fused to MLL in a patient with acute myelomonoblastic leukaemia. *Brit J Haematol* 146:693-695. <http://dx.doi.org/10.1111/j.1365-2141.2009.07824.x>

De Braekeleer E, Ianotto JC, Doliet-Guilbert N, Morel F, De Braekeleer M, Meyer C, **Marschalek R**, Le Bris MJ, Berthou C, Ferec C (2009) A second case of secondary acute myeloblastic leukemia associated with the MLL-KIAA0284 fusion gene. *Blood Cell Mol Dis* 42:292-293.
<http://dx.doi.org/10.1016/j.bcmd.2009.01.008>

De Braekeleer E, Meyer C, Douet-Guilbert N, Morel F, Le Bris MJ, **Marschalek R**, Ferec C, De Braekeleer M (2009) A complex 1;19;11 translocation involving the MLL gene in a patient with congenital acute monoblastic leukemia identified by molecular and cytogenetic techniques. *Ann Hematol* 88:795-797. <http://dx.doi.org/10.1007/s00277-008-0656-8>

Derwich K, Sidek L, Meyer C, Pieczonka A, Dawidowska M, Gaworczyk A, Wachowiak J, Konatkowska B, Witt M, **Marschalek R**, Szczepanski T (2009) Infant acute bilineal leukemia. *Leukemia Res* 33:1005-1008. <http://dx.doi.org/10.1016/j.leukres.2009.02.007>

Krauter J, Wagner K, Schafer I, **Marschalek R**, Meyer C, Heil G, Schaich M, Ehninger G, Niederwieser D, Krahl R, Buchner T, Sauerland C, Schlegelberger B, Dohner K, Dohner H, Schlenk RF, Ganser A (2009) Prognostic factors in adult patients up to 60 years old with acute myeloid leukemia and translocations of chromosome band 11q23: Individual patient data-based meta-analysis of the German Acute Myeloid Leukemia Intergroup. *J Clin Oncol* 27:3000-3006.
<http://dx.doi.org/10.1200/jco.2008.16.7981>

Meyer C, Brieger A, Plotz G, Weber N, Passmann S, Dingermann T, Zeuzem S, Trojan J, **Marschalek R** (2009) An interstitial deletion at 3p21.3 results in the genetic fusion of MLH1 and ITGA9 in a lynch syndrome family. *Clin Cancer Res* 15:762-769. <http://dx.doi.org/10.1158/1078-0432.ccr-08-1908>

Meyer C, Kowarz E, Hofmann J, Renneville A, Zuna J, Trka J, Ben Abdelali R, Macintyre E, De Braekeleer E, De Braekeleer M, Delabesse E, de Oliveira MP, Cave H, Clappier E, van Dongen JJM, Balgobind BV, van den Heuvel-Eibrink MM, Beverloo HB, Panzer-Grumayer R, Teigler-Schlegel A, Harbott J, Kjeldsen E, Schnittger S, Koehl U, Gruhn B, Heidenreich O, Chan LC, Yip SF, Krzywinski M, Eckert C, Moricke A, Schrappe M, Alonso CN, Schafer BW, Krauter J, Lee DA, zur Stadt U, Te Kronnie G, Sutton R, Izraeli S, Trakhtenbrot L, Lo Nigro L, Tsaur G, Fechina L, Szczepanski T, Strehl S, Ilencikova D, Molkentin M, Burmeister T, Dingermann T, Klingebiel T, **Marschalek R** (2009) New insights to the MLL recombinome of acute leukemias. *Leukemia* 23:1490-1499.

Park TS, Lee SG, Song J, Lee KA, Kim J, Choi JR, Lee ST, **Marschalek R**, Meyer C (2009) CASP8AP2 is a novel partner gene of MLL rearrangement with t(6;11)(q15;q23) in acute myeloid leukemia. *Cancer Genet Cytogen* 195:94-95. <http://dx.doi.org/10.1016/j.cancergenryo.2009.06.023>

Röhrs S, Dirks WG, Meyer C, **Marschalek R**, Scherr M, Slany R, Wallace A, Drexler HG, Quentmeier H (2009) Hypomethylation and expression of BEX2, IGSF4 and TIMP3 indicative of MLL translocations in Acute Myeloid Leukemia. *Mol Cancer* 8:11. <http://dx.doi.org/10.1186/1476-4598-8-86>

Trentin L, Giordan M, Dingermann T, Basso G, te Kronnie G, **Marschalek R** (2009) Two independent gene signatures in pediatric t(4;11) acute lymphoblastic leukemia patients. *Eur J Haematol* 83:406-419. <http://dx.doi.org/10.1111/j.1600-0609.2009.01305.x>

Van der Velden VHJ, Corral L, Valsecchi MG, Jansen MWJC, De Lorenzo P, Cazzaniga G, Panzer-Grumayer ER, Schrappe M, Schrauder A, Meyer C, **Marschalek R**, Nigro LL, Metzler M, Basso G, Mann G, Den Boer ML, Biondi A, Pieters R, Van Dongen JJM (2009) Prognostic significance of minimal residual disease in infants with acute lymphoblastic leukemia treated within the Interfant-99 protocol. *Leukemia* 23:1073-1079.

Zuna J, Burjanivova T, Mejstrikova E, Zemanova Z, Muzikova K, Meyer C, Horsley SW, Kearney L, Colman S, Ptoszkova H, **Marschalek R**, Hrusak O, Stary J, Greaves M, Trka J (2009) Covert preleukemia driven by MLL gene fusion. *Gene Chromosome Canc* 48:98-107. <http://dx.doi.org/10.1002/gcc.20622>

Burmeister T, Meyer C, Thiel G, Reinhardt R, Thiel E, **Marschalek R** (2008) A MLL-KIAA0284 fusion gene in a patient with secondary acute myeloid leukemia and t(11;14)(q23;q32). *Blood Cell Mol Dis* 41:210-214. <http://dx.doi.org/10.1016/j.bcmd.2008.05.005>

Marschalek R (2008) Etoposide-treatment and MLL rearrangements. *Eur J Haematol* 81:481-482. <http://dx.doi.org/10.1111/j.1600-0609.2008.01139.x>

Metzler M, Staegge MS, Harder L, Mendelova D, Zuna J, Fronkova E, Meyer C, Flohr T, Bednarova D, Harbott J, Langer T, Gesk S, Trka J, Siebert R, Dingermann T, **Marschalek R**, Niemeyer C, Rascher W (2008) Inv(11)(q21q23) fuses MLL to the Notch co-activator mastermind-like 2 in secondary T-cell acute lymphoblastic leukemia. *Leukemia* 22:1807-1811. <http://dx.doi.org/10.1038/leu.2008.50>

Mohl A, **Marschalek R**, Masszi T, Nagy E, Obser T, Oyen F, Sallai K, Bodo I, Schneppenheim R (2008) An Alu-mediated novel large deletion is the most frequent cause of type 3 von Willebrand disease in Hungary. *J Thromb Haemost* 6:1729-1735.

Soler G, Radford I, Meyer C, **Marschalek R**, Brouzes C, Ghez D, Romana S, Berger R (2008) MLL insertion with MLL-MLLT3 gene fusion in acute leukemia: case report and review of the literature. *Cancer Genet Cytogen* 183:53-59.

Choi WT, Folsom MR, Azim MF, Meyer C, Kowarz E, **Marschalek R**, Timchenko NA, Naeem RC, Lee DA (2007) C/EBP beta suppression by interruption of CUGBP1 resulting from a complex rearrangement of MLL. *Cancer Genet Cytogen* 177:108-114.

Gaussmann A, Wenger T, Eberle I, Bursen A, Brachatz S, Herr I, Dingermann T, **Marschalek R** (2007) Combined effects of the two reciprocal t(4; 11) fusion proteins MLL . AF4 and AF4 . MLL confer resistance to apoptosis, cell cycling capacity and growth transformation. *Oncogene* 26:3352-3363.

Jansen M, Corral L, van der Velden VHJ, Panzer-Grumayer R, Schrappe M, Schrauder A, **Marschalek R**, Meyer C, den Boer ML, Hop WJC, Valsecchi MG, Basso G, Biondi A, Pieters R, van Dongen JJM (2007) Immunobiological diversity in infant acute lymphoblastic leukemia is related to the occurrence and type of MLL gene rearrangement. *Leukemia* 21:633-641.
<http://dx.doi.org/10.1038/sj.leu.2404578>

Kowarz E, Burmeister T, Lo Nigro L, Jansen M, Delabesse E, Klingebiel T, Dingermann T, Meyer C, **Marschalek R** (2007) Complex MLL rearrangements in t(4;11) leukemia patients with absent AF4 center dot MLL fusion allele. *Leukemia* 21:1232-1238. <http://dx.doi.org/10.1038/sj.leu.2404686>

Meyer C, Burmeister T, Strehl S, Schneider B, Hubert D, Zach O, Haas O, Klingebiel T, Dingermann T, **Marschalek R** (2007) Spliced MLL fusions: a novel mechanism to generate functional chimeric MLL-MLLT1 transcripts in t(11;19)(23; p13.3) leukemia. *Leukemia* 21:588-590.
<http://dx.doi.org/10.1038/sj.leu.2404541>

Scharf S, Zech J, Bursen A, Schraets D, Oliver PL, Kliem S, Pfitzner E, Gillert E, Dingermann T, **Marschalek R** (2007) Transcription linked to recombination: a gene-internal promoter coincides with the recombination hot spot II of the human MLL gene. *Oncogene* 26:1361-1371.

Schneppenheim R, Castaman G, Federici A, Kreuz W, **Marschalek R**, Oldenburg J, Oyen F, Budde U (2007) A common 253-kb deletion involving VWF and TMEM16B in German and Italian patients with severe von Willebrand disease type 3. *J Thromb Haemost* 5:722-728.

Zuna J, Cave H, Eckert C, Szczepanski T, Meyer C, Mejstrikova E, Fronkova E, Muzikova K, Clappier E, Mendelova D, Boutard P, Schrauder A, Sterba J, **Marschalek R**, van Dongen JJM, Hrusak O, Stary J, Trka J (2007) Childhood secondary ALL after ALL treatment. *Leukemia* 21:1431-1435.

Attarbaschi A, Mann G, Konig M, Steiner M, Strehl S, Schreiberhuber A, Schneider B, Meyer C, **Marschalek R**, Borkhardt A, Pickl WF, Lion T, Gadner H, Haas OA, Dworzak MN, Austrian Berlin-Munster C (2006) Mixed lineage leukemia-rearranged childhood pro-B and CD10-negative pre-B acute lymphoblastic leukemia constitute a distinct clinical entity. *Clin Cancer Res* 12:2988-2994.
<http://dx.doi.org/10.1158/1078-0432.ccr-05-2861>

Burjanivova T, Madzo J, Muzikova K, Meyer C, Schneider B, Votava F, **Marschalek R**, Stary J, Trka J, Zuna J (2006) Prenatal origin of childhood AML occurs less frequently than in childhood ALL. *BMC Cancer* 6:100. <http://dx.doi.org/10.1186/1471-2407-6-100>

Burmeister T, **Marschalek R**, Schneider B, Meyer C, Gokbuget N, Schwartz S, Hoelzer D, Thiel E (2006) Monitoring minimal residual disease by quantification of genomic chromosomal breakpoint sequences in acute leukemias with MLL aberrations. *Leukemia* 20:451-457.
<http://dx.doi.org/10.1038/sj.leu.2404082>

Meyer C, Kowarz E, Schneider B, Oehm C, Klingebiel T, Dingermann T, **Marschalek R** (2006) Genomic DNA of leukemic patients: Target for clinical diagnosis of MLL rearrangements. *Biotechnol J* 1:656-663.

Meyer C, Schneider B, Jakob S, Strehl S, Attarbaschi A, Schnittger S, Schoch C, Jansen M, Dongen JJM, Boer ML, Pieters R, Ennas MG, Angelucci E, Koehl U, Greil J, Griesinger F, zur Stadt U, Eckert C, Szczepanski T, Niggli FK, Schäfer BW, Kempski H, Brady HJM, Zuna J, Trka J, Nigro LL, Biondi A, Delabesse E, Macintyre E, Stanulla M, Schrappe M, Haas OA, Burmeister T, Dingermann T, Klingebiel T, **Marschalek R** (2006) The MLL recombinome of acute leukemias. *Leukemia* 20:777-784.
<http://dx.doi.org/10.1038/sj.leu.2404150>

Strehl S, Konig M, Meyer C, Schneider B, Harbott J, Jager U, von Bergh ARM, Loncarevic IF, Jarosova M, Schmidt HH, Moore SDP, **Marschalek R**, Haas OA (2006) Molecular dissection of t(11;17) in acute myeloid leukemia reveals a variety of gene fusions with heterogeneous fusion transcripts and multiple splice variants. *Gene Chromosome Canc* 45:1041-1049.
<http://dx.doi.org/10.1002/gcc.20372>