

ESP Advanced Training Centre in the area of Liver Pathology Heidelberg, Germany

Specialist fields

Liver pathology

Special techniques (open also to technicians/medical scientists)

Hepatobiliary pathology

Centre specification

Name of the centre and address

Institute of Pathology
University Hospital Heidelberg
Im Neuenheimer Feld 224
69120 Heidelberg

Chair of the centre

Prof. Dr. P. Schirmacher

Head of the training programme

Prof. Dr. P. Schirmacher

Details about specific training areas (particular method, field of subspeciality)

Hepatobiliary Pathology

Conditions

The center will offer one trainee position in Liver Pathology at a time. The duration should be not more than 3 months, shorter periods are possible for applicants with advanced knowledge. We accept applicants all year round except for middle December till middle of January and during August/beginning of September. We will not charge the training and support will be given in finding an accommodation for a reasonable local price. If required we will support the applicant to obtain the necessary visa and other documents and send a letter of invitation as well as we will agree on duration and time of the stay beforehand. After completion of the training period the trainee will receive a detailed certificate describing the work.

Contact address for requests

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Attachments:

1. Training measures
2. Publications of the last 5 years
3. Liver Cancer Center Heidelberg (LCCH) description
4. Seminars and Diagnostic courses at the Institute of Pathology
5. Previous guests

Attachment 1:

Liver Pathology

Training measures:

- Participation in processing/reporting of daily routine cases (Macro-/Microscopy)
- Microscopy of case collection of liver cases under guidance of liver pathology experts (n>200)
- Participation in morphology based liver research project
- Participation in internal training measures (3 h weekly)
 - Residents training meeting (1h weekly)
 - Research in progress meeting (1h weekly)
 - Journal Club (1 h weekly)
- Participation in regular interdisciplinary meetings (7 h weekly)
 - Liver tumor board of Liver Cancer Center Heidelberg (LCCH) (weekly 2 h)
 - Liver clinico-pathological conference (weekly 1h)
 - Surgical clinic-pathological conference (centered on hepato-pancreatico-biliary cases; weekly 1h)
 - Molecular tumor board with NCT (1 h weekly)
 - Business meetings of the LCCH (2 h weekly)

Trainers (Board certified Pathologists with specific Liver Pathology expertise):

Prof. Dr. P. Schirmacher

Dr. C. Flechtenmacher

PD Dr. B. Straub

Dr. S. Singer

Dr. N. Waldburger

Dr. B. Goeppert

Attachment 2: Publications of the last 5 years

2015

Colour code: **yellow:** liver specific publication

De Ponti A, Wiechert L, Schneller D, Pusterla T, Longeric T, Hogg N, Vogel A, Schirmacher P, Hess J, Angel P. A pro-tumorigenic function of S100A8/A9 in carcinogen-induced hepatocellular carcinoma. *Cancer Lett.* 2015 Dec;369(2):396-404.

De Ponti A, Wiechert L, Stojanovic A, Longeric T, Marhenke S, Hogg N, Vogel A, Cerwenka A, Schirmacher P, Hess J, Angel P. Chronic liver inflammation and hepatocellular carcinogenesis are independent of S100A9. *Int J Cancer.* 2015 May;136(10):2458-63.

Elgohary N, Pellegrino R, Neumann O, Elzawahry HM, Saber MM, Zeeneldin AA, Geffers R, Ehemann V, Schemmer P, Schirmacher P, Longeric T. Protumorigenic role of Timeless in hepatocellular carcinoma. *Int J Oncol.* 2015 Feb;46(2):597-606.

Flechtenmacher C, Schirmacher P, Schemmer P. Donor liver histology – a valuable tool in graft selection. *Langenbecks Arch Surg.* 2015 Jul;400(5):551-7. doi: 10.1007/s00423-015-1298-7. Epub 2015 Mar 26. PubMed PMID: 25809015.

Goepfert B, Frauenschuh L, Zucknick M, Roessler S, Mehrabi A, Hafezi M, Stenzinger A, Warth A, Pathil A, Renner M, Schirmacher P, Weichert W. Major histocompatibility complex class I expression impacts on patient survival and type and density of immune cells in biliary tract cancer. *Br J Cancer.* 2015 Nov;113(9):1343-9.

Graham RP, Jin L, Knutson DL, Kloft-Nelson SM, Greipp PT, Waldburger N, Roessler S, Longeric T, Roberts LR, Oliveira AM, Halling KC, Schirmacher P, Torbenson MS. DNAJB1-PRKACA is specific for fibrolamellar carcinoma. *Mod Pathol.* 2015 Jun;28(6):822-9. doi: 10.1038/modpathol.2015.4. Epub 2015 Feb 20.

Hiet MS, Bauhofer O, Zayas M, Roth H, Tanaka Y, Schirmacher P, Willemsen J, Grünvogel O, Bender S, Binder M, Lohmann V, Lotteau V, Ruggieri A, Bartenschlager R. Control of temporal activation of hepatitis C virus-induced interferon response by domain 2 of nonstructural protein 5A. *J Hepatol.* 2015 Oct;63(4):829-37. 22: Bartels S, Lehmann U, Büsche G, Schlue J, Hussein K, Debatin D, Karcher A, Andrusis M, Schirmacher P, Kreipe H. De novo CSF3R mutation associated with transformation of myeloproliferative neoplasm to atypical CML. *Ann Hematol.* 2015 Jul;94(7):1255-6.

Hoffmann K, Unsinn M, Hinz U, Weiss KH, Waldburger N, Longeric T, Radeleff B, Schirmacher P, Büchler MW, Schemmer P. Outcome after a liver resection of benign lesions. *HPB (Oxford).* 2015 Nov;17(11):994-1000.

Knoll M, Macher-Goeppinger S, Kopitz J, Duensing S, Pahernik S, Hohenfellner M, Schirmacher P, Roth W. The ribosomal protein S6 in renal cell carcinoma: functional relevance and potential as biomarker. *Oncotarget.* 2015 Oct 25.

Koelsche C, Renner M, Johann P, Leiss I, Sahn F, Schimmack S, Wardelmann E, Renker EK, Schirmacher P, Korshunov A, von Deimling A, Mechtersheimer G. Differential nuclear ATRX expression in sarcomas. *Histopathology.* 2015 Aug 20. doi: 10.1111/his.12812. [Epub ahead of print] PubMed PMID: 26291601.

Kondylis V, Polykratis A, Ehlken H, Ochoa-Callejero L, Straub BK, Krishna-Subramanian S, Van TM, Curth HM, Heise N, Weih F, Klein U, Schirmacher P, Kellihfer M, Pasparakis M. NEMO Prevents Steatohepatitis and Hepatocellular Carcinoma by Inhibiting RIPK1 Kinase Activity-Mediated Hepatocyte Apoptosis. *Cancer Cell.* 2015 Nov 9;28(5):582-98.

Liesenfeld DB, Grapov D, Fahrman JF, Salou M, Scherer D, Toth R, Habermann N, Böhm J, Schrotz-King P, Gigic B, Schneider M, Ulrich A, Herpel E, Schirmacher P, Fiehn O, Lampe JW, Ulrich CM. Metabolomics and transcriptomics identify pathway differences between visceral and subcutaneous adipose tissue in colorectal cancer patients: the ColoCare study. *Am J Clin Nutr.* 2015 Aug;102(2):433-43.

Maass T, Marquardt J, Lee JS, Krupp M, Scholz-Kreisel P, Mogler C, Schirmacher P, Müller M, Westphal H, Galle PR, Teufel A. Increased liver carcinogenesis and enrichment of stem cell properties in livers of Dickkopf 2 (Dkk2) deleted mice. *Oncotarget.* 2015 Mar 16. [Epub ahead of print] PubMed PMID: 25826080.

Macher-Goeppinger S, Keith M, Tagscherer KE, Singer S, Winkler J, Hofmann TG, Pahernik S, Duensing S, Hohenfellner M, Kopitz J, Schirmacher P, Roth W. PBRM1 (BAF180) protein is functionally regulated by p53-induced protein degradation in renal cell carcinomas. *J Pathol.* 2015 Jul 16.

Mentzel T, Schirmacher P, Bierhoff E. [Neoplasms of the skin]. *Pathologie.* 2015 Feb;36(1):5-6. doi: 10.1007/s00292-014-2028-6. German. PubMed PMID: 25630483.

Mogler C, Wieland M, König C, Hu J, Runge A, Korn C, Besemfelder E, Breitkopf-Heinlein K, Komljenovic D, Dooley S, Schirmacher P, Longeric T, Augustin HG. Hepatic stellate cell-expressed endosialin balances fibrogenesis and hepatocyte proliferation during liver damage. *EMBO Mol Med.* 2015 Feb;7(3):332-8.

Moskalev EA, Jandaghi P, Fallah M, Manoochehri M, Botla SK, Kolychev OV, Nikitin EA, Bubnov VV, von Knebel Doeberitz M, Strobel O, Hackert T, Büchler MW, Giese N, Bauer A, Muley T, Warth A, Schirmacher P, Haller F, Hoheisel JD, Riazalhosseini Y. GHSR DNA hypermethylation is a common epigenetic alteration of high diagnostic value in a broad spectrum of cancers. *Oncotarget.* 2015 Feb;6(6):4418-27.

Müller B, Bovet M, Yin Y, Stichel D, Malz M, González-Vallinas M, Middleton A, Ehemann V, Schmitt J, Muley T, Meister M, Herpel E, Singer S, Warth A, Schirmacher P, Drasdo D, Matthäus F, Breuhahn K. Concomitant expression of farupstream element (FUSE) binding protein (FBP) interacting repressor (FIR) and its splice variants induce migration and invasion of non-small cell lung cancer (NSCLC) cells. *J Pathol.* 2015 Nov;237(3):390-401. doi: 10.1002/path.4588. Epub 2015 Sep 8. PubMed PMID: 26177862.

Oliver Metzger M, Fuchs D, Tagscherer KE, Gröne HJ, Schirmacher P, Roth W. Inhibition of caspases primes colon cancer cells for 5-fluorouracil-induced TNF- α -dependent necroptosis driven by RIP1 kinase and NF- κ B. *Oncogene.* 2015 Nov 2.

Pfarr N, Stenzinger A, Penzel R, Warth A, Dienemann H, Schirmacher P, Weichert W, Endris V. High-throughput diagnostic profiling of clinically actionable gene fusions in lung cancer. *Genes Chromosomes Cancer.* 2015 Sep 23. Schmitt S, Kynast K, Schirmacher P, Herpel E. [Maintenance of a research tissue bank: (Infra)structural and quality aspects]. *Pathologie.* 2015 Sep 21. [Epub ahead of print] German.

Pfeiffenberger J, Mogler C, Gotthardt DN, Schulze-Bergkamen H, Litwin T, Reuner U, Hefter H, Huster D, Schemmer P, Czlonkowska A, Schirmacher P, Stremmel W, Cassiman D, Weiss KH. Hepatobiliary malignancies in Wilson disease. *Liver Int.* 2015 May;35(5):1615-22.

Protzer U, Böhm F, Longerich T, Seebach J, Heidary Navid M, Friemel J, Marques-Maggio E, Bawohl M, Heikenwalder M, Schirmacher P, Dutkowsky P, Clavien PA, Schemmer P, Schnitzler P, Gotthardt D, Müllhaupt B, Weber A. Molecular detection of hepatitis E virus (HEV) in liver biopsies after liver transplantation. *Mod Pathol.* 2015 Apr;28(4):523-32. doi:10.1038/modpathol.2014.147. Epub 2014 Nov 21.

Schirmacher P. [Laudation for Prof. Dr. Dr. h.c. Manfred Dietel: Awarding of the Rudolf Virchow Medal 2015 of the German Society of Pathology]. *Pathologie.* 2015 Nov 6. [Epub ahead of print] German.

Schmitt S, Kynast K, Schirmacher P, Herpel E. Challenges for quality management in implementation, maintenance, and sustainability of research tissue biobanks. *Virchows Arch.* 2015 Aug 14.

Schuetz W, Schirmacher P, Eberhardt WE, Fischer JR, von der Schulenburg JM, Mezger J, Schumann C, Serke M, Zaun S, Dietel M, Thomas M. EGFR mutation status and first-line treatment in patients with stage III/IV non-small cell lung cancer in Germany: an observational study. *Cancer Epidemiol Biomarkers Prev.* 2015 Aug;24(8):1254-61.

Sievers E, Trautmann M, Kindler D, Huss S, Gruenewald I, Dirksen U, Renner M, Mechttersheimer G, Pedetour F, Åman P, Nishio J, Schildhaus HU, Kirfel J, Schirmacher P, Wardelmann E, Buettner R, Hartmann W. SRC inhibition represents a potential therapeutic strategy in liposarcoma. *Int J Cancer.* 2015 Dec 1;137(11):2578-88.

Stenzinger A, Pfarr N, Penzel R, Wolf T, Schirmacher P, Endris V, Weichert W. Semiconductor-based sequencing of formalin-fixed, paraffin-embedded colorectal cancer samples. *Oncologist.* 2015 May;20(5):e10-1.

von Laffert M, Stenzinger A, Hummel M, Weichert W, Lenze D, Warth A, Penzel R, Herbst H, Kellner U, Jurmeister P, Schirmacher P, Dietel M, Klauschen F. ALK-FISH borderline cases in non-small cell lung cancer: Implications for diagnostics and clinical decision making. *Lung Cancer.* 2015 Oct 23. pii: S0169-5002(15)30066-0.

von Laffert M, Warth A, Penzel R, Schirmacher P, Kerr KM, Elmberger G, Schildhaus HU, Büttner R, Lopez-Rios F, Reu S, Kirchner T, Pauwels P, Specht K, Drecoll E, Höfler H, Aust D, Baretton G, Bubendorf L, Stallmann S, Fisseler-Eckhoff A, Soltermann A, Tischler V, Moch H, Penault-Llorca F, Hager H, Schäper F, Lenze D, Hummel M, Dietel M. Multicenter immunohistochemical ALK-testing of non-small-cell lung cancer shows high concordance after harmonization of techniques and interpretation criteria. *J Thorac Oncol.* 2014 Nov;9(11):1685-92.

Wannhoff A, Rupp C, Friedrich K, Brune M, Knierim J, Flechtenmacher C, Sauer P, Stremmel W, Hov JR, Schirmacher P, Weiss KH, Gotthardt DN. Inflammation But Not Biliary Obstruction Is Associated With Carbohydrate Antigen 19-9 Levels in Patients With Primary Sclerosing Cholangitis. *Clin Gastroenterol Hepatol.* 2015 Jul 17. pii: S1542-3565(15)00972-6.

Warth A, Muley T, Kossakowski C, Stenzinger A, Schirmacher P, Dienemann H, Weichert W. Prognostic impact and clinicopathological correlations of the cribriform pattern in pulmonary adenocarcinoma. *J Thorac Oncol.* 2015 Apr;10(4):638-44.

Warth A, Muley T, Kossakowski CA, Goepfert B, Schirmacher P, Dienemann H, Weichert W. Prognostic Impact of Intra-alveolar Tumor Spread in Pulmonary Adenocarcinoma. *Am J Surg Pathol.* 2015 Jun;39(6):793-801.

Warth A, Stenzinger A, Andrusis M, Schlake W, Kempny G, Schirmacher P, Weichert W. Individualized medicine and demographic change as determining workload factors in pathology: quo vadis? *Virchows Arch.* 2015 Oct 24. [Epub ahead of print] PubMed PMID: 26498186.

Weichert W, Kossakowski C, Harms A, Schirmacher P, Muley T, Dienemann H, Warth A. Proposal of a prognostically relevant grading scheme for pulmonary squamous cell carcinoma. *Eur Respir J.* 2015 Nov 5. pii: ERJ-00937-2015.

Publications 2014

Ackermann S, Kocak H, Hero B, Ehemann V, Kahlert Y, Oberthuer A, Roels F, Theissen J, Odenthal M, Berthold F, Fischer M. (2014) FOXP1 inhibits cell growth and attenuates tumorigenicity of neuroblastoma. *BMC Cancer.* 14(840): 1-16. (IF: 3.32)

Akhavanpoor M, Gleissner CA, Gorbatsch S, Doesch AO, Akhavanpoor H, Wangler S, Jahn F, Lasitschka F, Katus HA, Erbel C. (2014) CCL19 and CCL21 modulate the inflammatory milieu in atherosclerotic lesions. *Drug Des Devel Ther.* 8:2359-71. (IF: 3.03)

Alam MS, Gaida MM, Ogawa Y, Kolios AG, Lasitschka F, Ashwell JD. (2014) Counter-regulation of T cell effector function by differentially activated p38. *J Exp Med.* 11(6):1257-70. (IF: 13.91)

- Andrulis M, Bauerle T, Goldschmidt H, Delorme S, Landgren O, Schirmacher P, Hillengass J. (2014) Infiltration patterns in monoclonal plasma cell disorders: correlation of magnetic resonance imaging with matched bone marrow histology. *Eur J Radiol.* 83(6):970-4. (IF:2.16)
- Andrulis M, Ellert E, Mandel U, Clausen H, Lehnert N, Raab MS, Goldschmidt H, Schwartz-Albiez R. (2014) Expression of Mucin-1 in multiple myeloma and its precursors: correlation with glycosylation and subcellular localization. *Histopathology.* 64(6):799-806. (IF:3.30)
- Anton A, Schott S, Kaip G, Rath M, Heil J, Aulmann S, Sinn HP. (2014) Ki-67 and p53 expression of the fallopian tube mucosa in breast cancer patients with hereditary risk. *Arch Gynecol Obstet.* 289(5):1079-85. (IF:1.28)
- Aulmann S, Sinn HP, Penzel R, Gilks CB, Schott S, Hassel JC, Schmidt D, Kommos F, Schirmacher P, Kommos S. (2014) Comparison of molecular abnormalities in vulvar and vaginal melanomas. *Mod Pathol.* 27(10):1386-93. (IF:6.36)
- Bacelli I, Stenzinger A*, Vogel V, Pfitzner BM, Klein C, Wallwiener M, Scharpf M, Saini M, Holland-Letz T, Sinn HP, Schneeweiss A, Denkert C, Weichert W*, Trumpp A*. (2014) Co-expression of MET and CD47 is a novel prognosticator for survival of luminal breast cancer patients. *Oncotarget.* 5(18):8147-60. (IF: 6.63) *These authors contributed equally to the study
- Bauer R, Dikow N, Brauer A, Kreuter M, Buss S, Evers C, Rocken C, Schnabel PA, Hinderhofer K, Ehlermann P, Katus HA, Kristen AV. (2014) The "Wagshurst study": p.Val40Ile transthyretin gene variant causes late-onset cardiomyopathy. *Amyloid.* 21(4):267-75. (IF:2.51)
- Bedossa P, Burt AD, Gouw AS, Lackner C, Schirmacher P, Terracciano L, Tiniakos D, Brain J, Bury Y, Cabibi D, Charlotte F, David E, Losi L, Montani M, Pareja MJ, Wendum D, Wrba F, Zioli M, Ratziu V. (2014) Utility and appropriateness of the fatty liver inhibition of progression (FLIP) algorithm and steatosis, activity, and fibrosis (SAF) score in the evaluation of biopsies of nonalcoholic fatty liver disease. *Hepatology.* 60(2):565-75. (IF:11.19)
- Behr DS, Peitsch WK, Hametner C, Lasitschka F, Houben R, Schönhaar K, Michel J, Dollt C, Goebeler M, Marx A, Goerdts S, Schmieder A. (2014) Prognostic value of immune cell infiltration, tertiary lymphoid structures and PD-L1 expression in Merkel cell carcinomas. *Int J Clin Exp Pathol.* 7(11):7610-21. (IF: 1.78)
- Beiser KU, Glaser A, Kleinschmidt K, Scholl I, Roth R, Li L, Gretz N, Mechttersheimer G, Karperien M, Marchini A, Richter W, Rappold GA. (2014) Identification of novel SHOX target genes in the developing limb using a transgenic mouse model. *PLoS One.* 9(6):e98543. (IF:3.53)
- Bergmann F, Aulmann S, Sipos B, Kloor M, von Heydebreck A, Schweipert J, Harjung A, Mayer P, Hartwig W, Moldenhauer G, Capper D, Dyckhoff G, Freier K, Herpel E, Schleider A, Schirmacher P, Mechttersheimer G, Kloppel G, Blaker H. (2014) Acinar cell carcinomas of the pancreas: a molecular analysis in a series of 57 cases. *Virchows Arch.* 465(6):661-72. (IF:2.56)
- Bergmann F, Aulmann S, Welsch T, Herpel E, Werner J, Schirmacher P, Blaker H. (2014) Molecular analysis of pancreatic acinar cell cystadenomas: Evidence of a non-neoplastic nature. *Oncol Lett.* 8(2):852-8. (IF:0.99)
- Blank S, Rachakonda S, Keller G, Weichert W, Lordick F, Langer R, Springfield C, Bruckner T, Becker K, Kumar R, Ott K. (2014) A retrospective comparative exploratory study on two methylentetrahydrofolate reductase (MTHFR) polymorphisms in esophagogastric cancer: the A1298C MTHFR polymorphism is an independent prognostic factor only in neoadjuvantly treated gastric cancer patients. *BMC Cancer.* 14:58. (IF:3.32)
- Brinkhoff B, Ostroumov D, Heemcke J, Woller N, Gurlevik E, Manns MP, Longerich T, Zender L, Harty JT, Kubicka S, Kuhnel F, Wirth TC. (2014) Microsphere priming facilitates induction of potent therapeutic T-cell immune responses against autochthonous liver cancers. *Eur J Immunol.* 44(4):1213-24. (IF:4.52)
- Brost S, Zimmermann A, Koschny R, Sykora J, Stremmel W, Schirmacher P, Walczak H, Ganten TM. (2014) Hepatocyte expression of TRAIL pathway regulators correlates with histopathological and clinical parameters in chronic HCV infection. *Pathol Res Pract.* 210(2):83-91. (IF:1.56)
- Boecker W, Stenman G, Loening T, Andersson MK, Sinn HP, Barth P, Oberhellmann F, Bos I, Berg T, Marusic Z, Samoilova V, Buchwalow I. (2014) Differentiation and histogenesis of syringomatous tumour of the nipple and low-grade adenocarcinoma: evidence for a common origin. *Histopathology.* 65(1):9-23. (IF:3.30)
- Bubolz AM, Weissinger SE, Stenzinger A, Arndt A, Steinestel K, Bruderlein S, Cario H, Lubatschowski A, Welke C, Anagnostopoulos I, Barth TF, Beer AJ, Moller P, Gottstein M, Viardot A, Lennerz JK. (2014) Potential clinical implications of BRAF mutations in histiocytic proliferations. *Oncotarget.* 5(12):4060-70. (IF:6.63)
- Budczies J, von Winterfeld M, Klauschen F, Kimritz AC, Daniel JM, Warth A, Endris V, Denkert C, Pfeiffer H, Weichert W, Dietel M, Wittschieber D, Stenzinger A. (2014) Comprehensive analysis of clinico-pathological data reveals heterogeneous relations between atherosclerosis and cancer. *J Clin Pathol.* 67(6):482-90. (IF:2.55)
- Budczies J, von Winterfeld M, Klauschen F, Bockmayr M, Lennerz JK, Denkert C, Wolf T, Warth A, Dietel M, Anagnostopoulos I, Weichert W, Wittschieber D, Stenzinger A. (2014) The landscape of metastatic progression patterns across major human cancers. *Oncotarget.* 6(1): 570-583. (IF:6.63)
- Bulut OC, Lindel K, Hauswald H, Brandt R, Klauschen F, Wolf J, Wolf T, Plinkert PK, Simon C, Weichert W, Stenzinger A. (2014) Clinical and molecular characteristics of HNSCC patients with brain metastases: a retrospective study. *Eur Arch Otorhinolaryngol.* 271(6):1715-22. (IF:1.60)
- Campos B, Gal Z, Baader A, Schneider T, Sliwinski C, Gassel K, Bageritz J, Grabe N, von Deimling A, Beckhove P, Mogler C, Goidts V, Unterberg A, Eckstein V, Herold-Mende C. (2014) Aberrant self-renewal and quiescence contribute to the aggressiveness of glioblastoma. *J Pathol.* 234(1):23-33. (IF:7.33)
- Casadonte R, Kriegsmann M, Zweynert F, Friedrich K, Baretton G, Otto M, Deininger SO, Paape R, Belau E, Suckau D, Aust D, Pilarsky C, Kriegsmann J. (2014) Imaging mass spectrometry to discriminate breast from pancreatic cancer metastasis in formalin-fixed paraffin-embedded tissues. *Proteomics.* 14(7-8):956-64. (IF:3.97)

Castain C, Sempoux C, Brunt EM, Causse O, Heitzmann A, Hernandez-Prera JC, Le Bail B, Schirmacher P, Thung SN, Balabaud C, Bioulac-Sage P. (2014) Coexistence of inflammatory hepatocellular adenomas with HNF1alpha-inactivated adenomas: is there an association? *Histopathology*. 64(6):890-5. (IF:3.30)

Combs SE, Habermehl D, Kessel KA, Bergmann F, Werner J, Naumann P, Jager D, Buchler MW, Debus J. (2014) Prognostic impact of CA 19-9 on outcome after neoadjuvant chemoradiation in patients with locally advanced pancreatic cancer. *Ann Surg Oncol*. 21(8):2801-7. (IF:3.94)

Dapunt U, Giese T, Lasitschka F, Reinders J, Lehner B, Kretzer JP, Ewerbeck V, Hansch GM. (2014) On the inflammatory response in metal-on-metal implants. *J Transl Med*. 12:74. (IF:3.99)

Dapunt U, Giese T, Prior B, Gaida MM, Hansch GM. (2014) Infectious versus non-infectious loosening of implants: activation of T lymphocytes differentiates between the two entities. *Int Orthop*. 38(6):1291-6. (IF:2.01)

Dapunt U, Maurer S, Giese T, Gaida MM, Hansch GM. (2014) The macrophage inflammatory proteins MIP1alpha (CCL3) and MIP2alpha (CXCL2) in implant-associated osteomyelitis: linking inflammation to bone degradation. *Mediators Inflamm*. 2014:1-10. (IF:2.42)

D'Haese JG, Hartel M, Demir IE, Hinz U, Bergmann F, Buchler MW, Friess H, Ceyhan GO. (2014) Pain sensation in pancreatic diseases is not uniform: the different facets of pancreatic pain. *World J Gastroenterol*. 20(27):9154-61. (IF:2.43)

Diederichs S. (2014) The four dimensions of noncoding RNA conservation. *Trends Genet*. 30(4):121-3. (IF:11.60)

Dihlmann S, Erhart P, Mehrabi A, Nickkholgh A, Lasitschka F, Bockler D, Hakimi M. (2014) Increased expression and activation of absent in melanoma 2 inflammasome components in lymphocytic infiltrates of abdominal aortic aneurysms. *Mol Med*. 20(1):230-7. (IF:4.82)

Dihlmann S, Tao S, Echterdiek F, Herpel E, Jansen L, Chang-Claude J, Brenner H, Hoffmeister M, Kloor M. (2014) Lack of Absent in Melanoma 2 (AIM2) expression in tumor cells is closely associated with poor survival in colorectal cancer patients. *Int J Cancer*. 135(10):2387-96. (IF:5.01)

Dreidax D, Bannert S, Henrich KO, Schroder C, Bender S, Oakes CC, Lindner S, Schulte JH, Duffy D, Schwarzl T, Saadati M, Ehemann V, Benner A, Pfister S, Fischer M, Westermann F. (2014) p19-INK4d inhibits neuroblastoma cell growth, induces differentiation and is hypermethylated and downregulated in MYCN-amplified neuroblastomas. *Hum Mol Genet*. 23(25):6826-37. (IF:6.68)

Dutruel C, Bergmann F, Rooman I, Zucknick M, Weichenhan D, Geiselhart L, Kaffenberger T, Rachakonda PS, Bauer A, Giese N, Hong C, Xie H, Costello JF, Hoheisel J, Kumar R, Rehli M, Schirmacher P, Werner J, Plass C, Popanda O, Schmezer P. (2014) Early epigenetic downregulation of WNK2 kinase during pancreatic ductal adenocarcinoma development. *Oncogene*. 33(26):3401-10. (IF:8.56)

Ehlken H, Krishna-Subramanian S, Ochoa-Callejero L, Kondylis V, Nadi NE, Straub BK, Schirmacher P, Walczak H, Kollias G, Pasparakis M. (2014) Death receptor-independent FADD signalling triggers hepatitis and hepatocellular carcinoma in mice with liver parenchymal cell-specific NEMO knockout. *Cell Death Differ*. 21(11):1721-32. (IF:8.39)

Elgohary N, Pellegrino R, Neumann O, Elzawahry HM, Saber MM, Zeeneldin AA, Geffers R, Ehemann V, Schemmer P, Schirmacher P, ongerich T. (2014) Protumorigenic role of Timeless in hepatocellular carcinoma. *Int J Oncol*. 46(2):597-606. (IF:2.77)

Engeland CE, Grossardt C, Veinalde R, Bossow S, Lutz D, Kaufmann JK, Shevchenko I, Umansky V, Nettelbeck DM, Weichert W, Jager D, von Kalle C, Ungerechts G. (2014) CTLA-4 and PD-L1 Checkpoint Blockade Enhances Oncolytic Measles Virus Therapy. *Mol Ther*. 22(11):1949-59. (IF:6.43)

Egenlauf B, Schnabel PA, Heußel CP, Warth A, Puderbach M, Herth FJF, Kreuter M. (2014) Seltene Ursache eines thorakalen Tumors. *Pneumologie*. 11(3):255-258. (IF:0.00)

Erbel C, Akhavanpoor M, Okuyucu D, Wangler S, Dietz A, Zhao L, Stellos K, Little KM, Lasitschka F, Doesch A, Hakimi M, Dengler TJ, Giese T, Blessing E, Katus HA, Gleissner CA. (2014) IL-17A influences essential functions of the monocyte/macrophage lineage and is involved in advanced murine and human atherosclerosis. *J Immunol*. 193(9):4344-55. (IF:5.36)

Erhart P, Grond-Ginsbach C, Hakimi M, Lasitschka F, Dihlmann S, Bockler D, Hyhlik-Durr A. (2014) Finite element analysis of abdominal aortic aneurysms: predicted rupture risk correlates with aortic wall histology in individual patients. *J Endovasc Ther*. 21(4):556-64. (IF:3.59)

Ertych N, Stolz A, Stenzinger A, Weichert W, Kaulfuss S, Burfeind P, Aigner A, Wordeman L, Bastians H. (2014) Increased microtubule assembly rates influence chromosomal instability in colorectal cancer cells. *Nat Cell Biol*. 16(8):779-91. (IF:20.06)

Felix K, Schuck A, Gaida MM, Hinz U, Dovzhanskiy D, Werner J. (2014) Objective parameters aid the prediction of fistulas in pancreatic surgery. *Exp Ther Med*. 8(3):719-26. (IF:0.94)

Fischer L*, Bergmann F*, Schimmack S, Hinz U, Priess S, Muller-Stich BP, Werner J, Hackert T, Buchler MW. (2014) Outcome of surgery for pancreatic neuroendocrine neoplasms. *Br J Surg*. 101(11):1405-12. (IF:5.21) *These authors contributed equally to this work

Flehsig P, Kratochwil C, Schwartz LH, Rath D, Moltz J, Antoch G, Heussel CP, Rieser M, Warth A, Zabeck H, Kauczor HU, Haberkorn U, Giesel FL. (2014) Quantitative volumetric CT-histogram analysis in N-staging of 18F-FDG-equivocal patients with lung cancer. *J Nucl Med*. 55(4):559-64. (IF:5.56)

Friedrich K, Wannhoff A, Kattner S, Brune M, Hov JR, Weiss KH, Antoni C, Dollinger M, Neumann-Haefelin C, Seufferlein T, Schemmer P, Schirmacher P, Stremmel W, Gotthardt DN. (2014) PNPLA3 in end-stage liver disease: alcohol consumption, hepatocellular carcinoma development, and transplantation-free survival. *Gastroenterol Hepatol*. 29(7):1477-84. (IF:3.63)

Fritz S, Bergmann F, Grenacher L, Sgroi M, Hinz U, Hackert T, Buchler MW, Werner J. (2014) Diagnosis and treatment of autoimmune pancreatitis types 1 and 2. *Br J Surg*. 101(10):1257-65. (IF:5.21)

Fritz S, Klauss M, Bergmann F, Strobel O, Schneider L, Werner J, Hackert T, Buchler MW. (2014) Pancreatic Main-Duct Involvement in Branch-Duct IPMNs: An Underestimated Risk. *Ann Surg*. 260(5):848-56. (IF:7.19)

Gaber R, Watermann I, Kugler C, Reinmuth N, Huber RM, Schnabel PA, Vollmer E, Reck M, Goldmann T. (2014) Correlation of EGFR expression, gene copy number and clinicopathological status in NSCLC. *Diagn Pathol*. 9(1):165. (IF:2.41)

- Georgi B, Korzeniewski N, Hadaschik B, Grulich C, Roth W, Sultmann H, Pahernik S, Hohenfellner M, Duensing S. (2014) Evolving therapeutic concepts in prostate cancer based on genome-wide analyses (review). *Int J Oncol.* 45(4):1337-44. (IF:2.77)
- Gewies A, Gorka O, Bergmann H, Pechloff K, Petermann F, Jeltsch KM, Rudelius M, Kriegsmann M, Weichert W, Horsch M, Beckers J, Wurst W, Heikenwalder M, Korn T, Heissmeyer V, Ruland J. (2014) Uncoupling malt1 threshold function from paracaspase activity results in destructive autoimmune inflammation. *Cell Rep.* 9(4):1292-305. (IF:7.21)
- Goeppert B, Frauenschuh L, Renner M, Roessler S, Stenzinger A, Klauschen F, Warth A, Vogel MN, Mehrabi A, Hafezi M, Boehmer K, von Deimling A, Schirmacher P, Weichert W, Capper D. (2014) BRAF V600E-specific immunohistochemistry reveals low mutation rates in biliary tract cancer and restriction to intrahepatic cholangiocarcinoma. *Mod Pathol.* 27(7):1028-34. (IF:6.36)
- Goeppert B, Konermann C, Schmidt CR, Bogatyrova O, Geiselhart L, Ernst C, Gu L, Becker N, Zucknick M, Mehrabi A, Hafezi M, Klauschen F, Stenzinger A, Warth A, Breuhahn K, Renner M, Weichert W, Schirmacher P, Plass C, Weichenhan D. (2014) Global alterations of DNA methylation in cholangiocarcinoma target the Wnt signaling pathway. *Hepatology.* 59(2):544-54. (IF:11.19)
- Gutschner T*, Hammerle M*, Pazaitis N*, Bley N, Fiskin E, Uckelmann H, Heim A, Grobeta M, Hofmann N, Geffers R, Skawran B, Longerich T, Breuhahn K, Schirmacher P, Muhleck B, Huttelmaier S*, Diederichs S*. (2014) Insulin-like growth factor 2 mRNA-binding protein 1 (IGF2BP1) is an important protumorigenic factor in hepatocellular carcinoma. *Hepatology.* 59(5):1900-11. (IF:11.19) *These authors contributed equally to this work
- Halec G, Alemany L, Lloveras B, Schmitt M, Alejo M, Bosch FX, Tous S, Klaustermeier JE, Guimera N, Grabe N, Lahrmann B, Gissmann L, Quint W, Bosch FX, de Sanjose S, Pawlita M, Retrospective International S, Group HPV16, Retrospective International S, Group HPV16. (2014) Pathogenic role of the eight probably/possibly carcinogenic HPV types 26, 53, 66, 67, 68, 70, 73 and 82 in cervical cancer. *J Pathol.* 234(4):441-51. (IF:7.33)
- Harter PN, Zinke J, Scholz A, Tichy J, Zachskorn C, Kvasnicka HM, Goeppert B, Delloye-Bourgeois C, Hattingen E, Senft C, Steinbach JP, Plate KH, Mehlen P, Schulte D, Mittelbronn M. (2014) Netrin-1 expression is an independent prognostic factor for poor patient survival in brain metastases. *PLoS One.* 9(3):e92311. (IF:3.53)
- Heger U, Blank S, Wiecha C, Langer R, Weichert W, Lordick F, Bruckner T, Dobritz M, Burian M, Springfield C, Grenacher L, Siewert JR, Buchler M, Ott K. (2014) Is preoperative chemotherapy followed by surgery the appropriate treatment for signet ring cell containing adenocarcinomas of the esophagogastric junction and stomach? *Ann Surg Oncol.* 21(5):1739-48. (IF:3.94)
- Heigener DF, Deppermann KM, Pawel JV, Fischer JR, Kortsik C, Bohnet S, Eiff MV, Koester W, Thomas M, Schnabel PA, Reck M. (2014) Open, randomized, multi-center phase II study comparing efficacy and tolerability of Erlotinib vs. Carboplatin/Vinorelbine in elderly patients (>70 years of age) with untreated non-small cell lung cancer. *Lung Cancer.* 84(1):62-6. (IF:3.74)
- Heim D, Budczies J, Stenzinger A, Treue D, Hufnagl P, Denkert C, Dietel M, Klauschen F. (2014) Cancer beyond organ and tissue specificity: next-generation-sequencing gene mutation data reveal complex genetic similarities across major cancers. *Int J Cancer.* 135(10):2362-9. (IF:5.01)
- Hoffmann K, Hinz U, Hillebrand N, Ganten T, Gotthardt D, Longerich T, Schirmacher P, Schemmer P. (2014) The MELD score predicts the short-term and overall survival after liver transplantation in patients with primary sclerosing cholangitis or autoimmune liver diseases. *Langenbecks Arch Surg.* 399(8):1001-9. (IF:2.16)
- Hoffmann K, Muller-Butow V, Franz C, Hinz U, Longerich T, Buchler MW, Schemmer P. (2014) Factors predictive of survival after stapler hepatectomy of hepatocellular carcinoma: a multivariate, single-center analysis. *Anticancer Res.* 34(2):767-76. (IF:1.87)
- Hofmann H, von Haken R, Werner J, Kortjes N, Bergmann F, Schemmer P, Jager D, Radeleff B, Schulze-Bergkamen H. (2014) Unresectable isolated hepatic metastases from solid pseudopapillary neoplasm of the pancreas: A case report of chemosaturation with high-dose melphalan. *Pancreatology.* 14(6):546-9. (IF:2.50)
- Hofner T, Macher-Goeppinger S, Klein C, Schillert A, Eisen C, Wagner S, Rigo-Watermeier T, Baccelli I, Vogel V, Trumpp A, Sprick MR. (2014) Expression and prognostic significance of cancer stem cell markers CD24 and CD44 in urothelial bladder cancer xenografts and patients undergoing radical cystectomy. *Urol Oncol.* 32(5):678-86. (IF: 3.36)
- Holzmann C, Markowski DN, Koczan D, Helmke BM, Bullerdiek J. (2014) Genome-wide acquired uniparental disomy as well as chromosomal gains and losses in a uterine epithelioid leiomyoma. *Mol Cytogenet.* 7(1):19. (IF: 2.66)
- Holzmann C, Markowski DN, Koczan D, Kuper W, Helmke BM, Bullerdiek J. (2014) Cytogenetically normal uterine leiomyomas without MED12-mutations - a source to identify unknown mechanisms of the development of uterine smooth muscle tumors. *Mol Cytogenet.* 7(1):88. (IF: 2.66)
- Horwitz E, Stein I, Andreozzi M, Nemeth J, Shoham A, Pappo O, Schweitzer N, Tornillo L, Kanarek N, Quagliata L, Zreik F, Porat RM, Finkelstein R, Reuter H, Koschny R, Ganten T, Mogler C, Shibolet O, Hess J, Breuhahn K, Grunewald M, Schirmacher P, Vogel A, Terracciano L, Angel P, Ben-Neriah Y, Pikarsky E. (2014) Human and mouse VEGFA-amplified hepatocellular carcinomas are highly sensitive to sorafenib treatment. *Cancer Discov.* 4(6):730-43. (IF:15.93)
- Hu J, Srivastava K, Wieland M, Runge A, Mogler C, Besemfelder E, Terhardt D, Vogel MJ, Cao L, Korn C, Bartels S, Thomas M, Augustin HG. (2014) Endothelial cell-derived angiopoietin-2 controls liver regeneration as a spatiotemporal rheostat. *Science.* 343(6169):416-9. (IF:31.48)
- Huber J, Winkler A, Jakobi H, Bruckner T, Roth W, Hallscheidt P, Daneshvar K, Hohenfellner M, Pahernik S. (2014) Preoperative decision making for renal cell carcinoma: cystic morphology in cross-sectional imaging might predict lower malignant potential. *Urol Oncol.* 32(1):37 e1-6. (IF:3.36)
- Jortzik E, Farhadi M, Ahmadi R, Tóth K, Lohr J, Helmke BM, Kehr S, Unterberg A, Ott I, Gust R, Deborde V, Davioud-Charvet E, Réau R, Becker K, Herold-Mende C. (2014) Antiglioma activity of GoPI-sugar, a novel gold(I)-phosphole inhibitor: chemical synthesis, mechanistic studies, and effectiveness in vivo. *Biochim Biophys Acta.* 1844(8):1415-26. (IF: 3.19)

Kahlert C, Fiala M, Musso G, Halama N, Keim S, Mazzone M, Lasitschka F, Pecqueux M, Klupp F, Schmidt T, Rahbari N, Scholch S, Pilarsky C, Ulrich A, Schneider M, Weitz J, Koch M. (2014) Prognostic impact of a compartment-specific angiogenic marker profile in patients with pancreatic cancer. *Oncotarget*. 5(24):12978-89. (IF:6.27)

Kahlert C, Pecqueux M, Halama N, Dienemann H, Muley T, Pfannschmidt J, Lasitschka F, Klupp F, Schmidt T, Rahbari N, Reissfelder C, Kunz C, Benner A, Falk C, Weitz J, Koch M. (2014) Tumour-site-dependent expression profile of angiogenic factors in tumour-associated stroma of primary colorectal cancer and metastases. *Br J Cancer*. 110(2):441-9. (IF:4.82)

Keleg S, Titov A, Heller A, Giese T, Tjaden C, Ahmad SS, Gaida MM, Bauer AS, Werner J, Giese NA. (2014) Chondroitin sulfate proteoglycan CSPG4 as a novel hypoxia-sensitive marker in pancreatic tumors. *PLoS One*. 9(6):e100178. (IF:3.53)

Klemke M, Müller MH, Wosniok W, Markowski DN, Nimzyk R, Helmke BM, Bullerdiek J. (2014) Correlated expression of HMGA2 and PLAG1 in thyroid tumors, uterine leiomyomas and experimental models. *PLoS One*. 9(2):e88126. (IF:3.53)

Koelsche C*, Renner M*, Hartmann W, Brandt R, Lehner B, Waldburger N, Alldinger I, Schmitt T, Egerer G, Penzel R, Wardelmann E, Schirmacher P, von Deimling A, Mechttersheimer G. (2014) TERT promoter hotspot mutations are recurrent in myxoid liposarcomas but rare in other soft tissue sarcoma entities. *J Exp Clin Cancer Res*. 33:33. (IF:3.27) *These authors contributed equally to the study

Koelsche C, Sahn F, Paulus W, Mittelbronn M, Giangaspero F, Antonelli M, Meyer J, Lasitschka F, von Deimling A, Reuss D. (2014) BRAF V600E expression and distribution in desmoplastic infantile astrocytoma/ganglioglioma. *Neuropathol Appl Neurobiol*. 40(3):337-44. (IF:4.97)

Koelsche C, Schweizer L, Renner M, Warth A, Jones DT, Sahn F, Reuss DE, Capper D, Knosel T, Schulz B, Petersen I, Ulrich A, Renker EK, Lehner B, Pfister SM, Schirmacher P, von Deimling A, Mechttersheimer G. (2014) Nuclear relocation of STAT6 reliably predicts NAB2-STAT6 fusion for the diagnosis of solitary fibrous tumour. *Histopathology*. 65(5):613-22. (IF:3.30)

Koenigkam-Santos M, Sommer G, Puderbach M, Safi S, Schnabel PA, Kauczor HU, Heussel CP. (2014) Primary intrathoracic malignant mesenchymal tumours: computed tomography features of a rare group of chest neoplasms. *Insights Imaging*. 5(2):237-44. (IF)

Koenigkam Santos M, Muley T, Warth A, de Paula WD, Lederlin M, Schnabel PA, Schlemmer HP, Kauczor HU, Heussel CP, Puderbach M. (2014) Morphological computed tomography features of surgically resectable pulmonary squamous cell carcinomas: impact on prognosis and comparison with adenocarcinomas. *Eur J Radiol*. 83(7):1275-81. (IF:2.16)

Kommos S, Gilks CB, Penzel R, Herpel E, Mackenzie R, Huntsman D, Schirmacher P, Anglesio M, Schmidt D, Kommos F. (2014) A current perspective on the pathological assessment of FOXL2 in adult-type granulosa cell tumours of the ovary. *Histopathology*. 64(3):380-8. (IF:3.30)

Koschny R, Boehm C, Sprick MR, Haas TL, Holland H, Xu LX, Krupp W, Mueller WC, Bauer M, Koschny T, Keller M, Sinn P, Meixensberger J, Walczak H, Ganten TM. (2014) Bortezomib sensitizes primary meningioma cells to TRAIL-induced apoptosis by enhancing formation of the death-inducing signaling complex. *J Neuropathol Exp Neurol*. 73(11):1034-46. (IF:4.37)

Kossakowski CA, Morresi-Hauf A, Schnabel PA, Eberhardt R, Herth FJ, Warth A. (2014) Preparation of cell blocks for lung cancer diagnosis and prediction: protocol and experience of a high-volume center. *Respiration*. 87(5):432-8. (IF:2.92)

Kreuter M, Ehlers-Tenenbaum S, Schaaf M, Oltmanns U, Palmowski K, Hoffmann H, Schnabel PA, Heußel CP, Puderbach M, Herth FJ, Warth A. (2014) Treatment and outcome of lung cancer in idiopathic interstitial pneumonias. *SARCOIDOSIS VASC DIF*. 31(4):266-274. (IF:1.74)

Kriegsmann J, Arens N, Altmann C, Kriegsmann M, Casadonte R, Otto M. (2014) [Molecular pathological diagnostics of infections in orthopedic pathology]. *Pathologe*. 35 Suppl 2:225-31. (IF:0.64)

Kriegsmann M, Casadonte R, Randau T, Gravius S, Pennekamp P, Strauss A, Oldenburg J, Wieczorek K, Deininger SO, Otto M, Kriegsmann J. (2014) MALDI imaging of predictive ferritin, fibrinogen and proteases in haemophilic arthropathy. *Haemophilia*. 20(3):446-53. (IF:2.47)

Kriegsmann M, Endris V, Wolf T, Pfarr N, Stenzinger A, Loibl S, Denkert C, Schneeweiss A, Budczies J, Sinn P, Weichert W. (2014) Mutational profiles in triple-negative breast cancer defined by ultradeep multigene sequencing show high rates of PI3K pathway alterations and clinically relevant entity subgroup specific differences. *Oncotarget*. 5(20):9952-65. (IF:6.63)

Kristen AV, Biener M, Hegenbart U, Hardt S, Schnabel PA, Rocken C, Schonland SO, Katus HA, Giannitsis E. (2014) Evaluation of the clinical use of midregional pro-atrial natriuretic peptide (MR-proANP) in comparison to N-terminal pro-B-type natriuretic peptide (NT-proBNP) for risk stratification in patients with light-chain amyloidosis. *Int J Cardiol*. 176(3):1113-5. (IF:2.77)

Kristen AV, Rosenberg M, Lindenmaier D, Merkle C, Steen H, Andre F, Schonland SO, Schnabel PA, Schuster T, Rocken C, Giannitsis E, Katus HA, Frey N. (2014) Osteopontin: a novel predictor of survival in patients with systemic light-chain amyloidosis. *Amyloid*. 21(3):202-10. (IF:2.51)

Langer R, Becker K, Zlobec I, Gertler R, Sisc L, Büchler M, Lordick F, Slotta-Huspenina J, Weichert W, Höfler H, Feith M, Ott K. (2014). A multifactorial histopathologic score for the prediction of prognosis of resected esophageal adenocarcinomas after neoadjuvant chemotherapy. *Ann Surg Oncol*. 21(3):915-21. (IF:3.94)

Lebeau A, Kriegsmann M, Burandt E, Sinn HP. (2014) [Invasive breast cancer: the current WHO classification]. *Pathologe*. 35(1):7-17. (IF:0.64)

Liebl F, Demir IE, Mayer K, Schuster T, D'Haese JG, Becker K, Langer R, Bergmann F, Wang K, Rosenberg R, Novotny AR, Feith M, Reim D, Friess H, Ceyhan GO. (2014) The impact of neural invasion severity in gastrointestinal malignancies: a clinicopathological study. *Ann Surg*. 260(5):900-8. (IF:7.18)

Loibl S, von Minckwitz G, Schneeweiss A, Paepke S, Lehmann A, Rezai M, Zahm DM, Sinn P, Khandan F, Eidtmann H, Dohnal K, Heinrichs C, Huober J, Pfitzner B, Fasching PA, Andre F, Lindner JL, Sotiriou C, Dykgers A, Guo S, Gade S, Nekljudova V, Loi S, Untch M, Denkert C. (2014) PIK3CA mutations are associated with lower rates of pathologic complete response to anti-human epidermal growth factor receptor 2 (her2) therapy in primary HER2-overexpressing breast cancer. *J Clin Oncol*. 32(29):3212-20. (IF:17.96)

Longerich T. (2014) [EEF1A2 inhibits the p53 function in hepatocellular carcinoma via PI3K/AKT/mTOR-dependent stabilization of MDM4]. *Pathologe*. 35 Suppl 2:177-84. (IF:0.64)

Malz M, Bovet M, Samarin J, Rabenhorst U, Sticht C, Bissinger M, Roessler S, Bermejo JL, Renner M, Calvisi DF, Singer S, Ganzinger M, Weber A, Gretz N, Zornig M, Schirmacher P, Breuhahn K. (2014) Overexpression of far upstream element (FUSE) binding protein (FBP)-interacting repressor (FIR) supports growth of hepatocellular carcinoma. *Hepatology*. 60(4):1241-50. (IF:11.19)

Marek LA, Hinz TK, von Massenhausen A, Olszewski KA, Kleczko EK, Boehm D, Weiser-Evans MC, Nemenoff RA, Hoffmann H, Warth A, Gozgit JM, Perner S, Heasley LE. (2014) Nonamplified FGFR1 is a growth driver in malignant pleural mesothelioma. *Mol Cancer Res*. 12(10):1460-9. (IF:4.50)

Marhenke S, Buitrago-Molina LE, Endig J, Orlik J, Schweitzer N, Klett S, Longerich T, Geffers R, Sanchez Munoz A, Dorrell C, Katz SF, Lechel A, Weng H, Krech T, Lehmann U, Dooley S, Rudolph KL, Manns MP, Vogel A. (2014) p21 promotes sustained liver regeneration and hepatocarcinogenesis in chronic cholestatic liver injury. *Gut*. 63(9):1501-12. (IF:13.32)

Markowski DN, Helmke BM, Bartnitzke S, Löning T, Bullerdiek J. (2014) Uterine fibroids: do we deal with more than one disease?. *Int J Gynecol Pathol*. 33(6):568-72. (IF: 1.63)

Martins VC, Busch K, Juraeva D, Blum C, Ludwig C, Rasche V, Lasitschka F, Mastitsky SE, Brors B, Hielscher T, Fehling HJ, Rodewald HR. (2014) Cell competition is a tumour suppressor mechanism in the thymus. *Nature* 509(7501):465-70. (IF:42.35)

Meister M, Belousov A, Xu EC, Schnabel P, Warth A, Hoffmann H, Dienemann H, Riedlinger J, Bodenmueller H, Zolg W, Herth FJF, Muley T. (2014). Intra-tumor Heterogeneity of Gene Expression Profiles in Early Stage Non-Small Cell Lung Cancer. *Journal of Bioinformatics Research Studies* 1(1):1-20. (IF:0.00)

Moskalev EA, Jandaghi P, Fallah M, Manoochehri M, Botla SK, Kolychev OV, Nikitin EA, Bubnov VV, von Knebel Doeberitz M, Strobel O, Hackert T, Büchler MW, Giese N, Bauer A, Muley T, Warth A, Schirmacher P, Haller F, Hoheisel JD, Riazalhosseini Y. (2014) *GHSR* DNA hypermethylation is a common epigenetic alteration of high diagnostic value in a broad spectrum of cancers *Oncotarget*. 6(6):4418-4427. (IF: 6.63) Muley TR, Sianidou M, Thomas M, Bischoff H, Dienemann H, Meister M, Schneider MA, Schnabel PA, Warth A. (2014) Comparison of two ERCC1 antibodies as prognostic and predictive biomarkers for early non-small cell lung cancer. *Anticancer Res*. 34(7):3707-13. (IF:1.87)

Mueller S, Seitz HK, Schirmacher P, Straub BK. (2014) Nicht invasive versus invasive Beurteilung der Leberfibrose. *Gastro up2date*. 10:51-67. (IF:0.00)

Muller-Stich BP, Senft JD, Lasitschka F, Shevchenko M, Billeter AT, Bruckner T, Kenngott HG, Fischer L, Gehrig T. (2014) Polypropylene, polyester or polytetrafluoroethylene-is there an ideal material for mesh augmentation at the esophageal hiatus? Results from an experimental study in a porcine model. *Hernia*. 18(6):873-81. (IF:2.09)

Nachmani D, Gutschner T, Rechens A, Diederichs S*, Mandelboim O*. (2014) RNA-binding proteins regulate the expression of the immune activating ligand MICB. *Nat Commun*. 5:4186. (IF:10.74). * These authors contributed equally to this work.

Nagel PD, Feld FM, Weissinger SE, Stenzinger A, Moller P, Lennerz JK. (2014) Absence of BRAF and KRAS hotspot mutations in primary mediastinal B-cell lymphoma. *Leuk Lymphoma*. 55(10):2389-90. (IF:2.61)

Nagel PD, Stenzinger A, Feld FM, Herrmann MD, Bruderlein S, Barth TF, Marienfeld R, Endris V, Weichert W, Debatin KM, Westhoff MA, Lessel D, Moller P, Lennerz JK. (2014) KIT mutations in primary mediastinal B-cell lymphoma. *Blood Cancer J*. 4(e241). (IF:2.88)

Oltmanns U, Kahn N, Palmowski K, Trager A, Wenz H, Heussel CP, Schnabel PA, Puderbach M, Wiebel M, Ehlers-Tenenbaum S, Warth A, Herth FJ, Kreuter M. (2014) Pirfenidone in idiopathic pulmonary fibrosis: real-life experience from a German tertiary referral center for interstitial lung diseases. *Respiration*. 88(3):199-207. (IF:2.92)

Parpart S, Roessler S, Dong F, Rao V, Takai A, Ji J, Qin LX, Ye QH, Jia HL, Tang ZY, Wang XW. (2014). Modulation of miR-29 expression by α -fetoprotein is linked to the hepatocellular carcinoma epigenome. *Hepatology*. 60(3):872-83. (IF:11.19)

Pathil A, Mueller J, Ludwig JM, Wang J, Warth A, Chamulitrat W, Stremmel W. (2014) Ursodeoxycholylyl lysophosphatidylethanolamide attenuates hepatofibrogenesis by impairment of TGF- β 1/Smad2/3 signalling. *Br J Pharmacol*. 171(22):5113-26. (IF:4.99)

Pawella LM, Hashani M, Eiteneuer E, Renner M, Bartenschlager R, Schirmacher P, Straub BK. (2014) Perilipin discerns chronic from acute hepatocellular steatosis. *J Hepatol*. 60(3):633-42. (IF:10.40)

Pellegrino R, Calvisi DF, Neumann O, Kolluru V, Wesely J, Chen X, Wang C, Wuestefeld T, Ladu S, Elgohary N, Bermejo JL, Radlwimmer B, Zornig M, Zender L, Dombrowski F, Evert M, Schirmacher P, Longerich T. (2014) EEF1A2 inactivates p53 by way of PI3K/AKT/mTOR-dependent stabilization of MDM4 in hepatocellular carcinoma. *Hepatology*. 59(5):1886-99. (IF:11.19)

Petersen I, Fisseler-Eckhoff A, Warth A, Weichert W. (2014). Pathology as gatekeeper. New histopathological classification of NSCLC and molecular diagnostics. *Onkologie*. 20(10): 933-42. (IF:0.13)

Petersen I, Warth A. (2014) [Lung cancer. Developments, concepts and preview of the new WHO classification]. *Pathologe*. 35(6):547-56. (IF:0.64)

Quagliata L, Matter MS, Piscuoglio S, Arabi L, Ruiz C, Procinio A, Kovac M, Moretti F, Makowska Z, Boldanova T, Andersen JB, Hammerle M, Tornillo L, Heim MH, Diederichs S, Cillo C*, Terracciano LM*. (2014) Long noncoding RNA HOTTIP/HOXA13 expression is associated with disease progression and predicts outcome in hepatocellular carcinoma patients. *Hepatology*. 59(3):911-23. (IF:11.19)

Radtke JP, Kuru TH, Boxler S, Alt CD, Popeneciu IV, Huettnerbrink C, Klein T, Steinemann S, Bergstraesser C, Roethke M, Roth W, Schlemmer HP, Hohenfellner M, Hadaschik BA. (2014) Comparative Analysis of Transperineal Template Saturation Prostate Biopsy Versus Magnetic Resonance Imaging Targeted Biopsy with Magnetic Resonance Imaging-Ultrasound Fusion Guidance. *J Urol*. 193(1):87-94. (IF:3.75)

Radjukovic A, Hundemer M, Eisenbach C, Luft T, Penzel R, Goldschmidt H, Ho AD, Bellos F. (2014) Visceral leishmaniasis in a patient with relapsed multiple myeloma receiving high-dose melphalan and autologous stem cell transplant. *Leuk Lymphoma*. 16:1-3. (IF:2.61)

- Reinmuth N, Kloos S, Warth A, Risch A, Muley T, Hoffmann H, Thomas M, Meister M. (2014) Insulin-like growth factor 1 pathway mutations and protein expression in resected non-small cell lung cancer. *Hum Pathol.* 45(6):1162-8. (IF:2.81)
- Reinmuth N, Stumpf P, Stumpf A, Muley T, Kobinger S, Hoffmann H, Herth FJ, Schnabel PA, Bischoff H, Thomas M. (2014) Characteristics of lung cancer after a previous malignancy. *Respir Med.* 108(6):910-7. (IF:2.92)
- Reissfelder C, Brand K, Sobiegalla J, Rahbari NN, Bork U, Schirmacher P, Buchler MW, Weitz J, Koch M. (2014) Chemotherapy-associated liver injury and its influence on outcome after resection of colorectal liver metastases. *Surgery.* 155(2):245-54. (IF:3.11)
- Reuss DE, Habel A, Hagenlocher C, Mucha J, Ackermann U, Tessmer C, Meyer J, Capper D, Moldenhauer G, Mautner V, Frappart PO, Schittenhelm J, Hartmann C, Hagele C, Katenkamp K, Petersen I, Mechttersheimer G, von Deimling A. (2014) Neurofibromin specific antibody differentiates malignant peripheral nerve sheath tumors (MPNST) from other spindle cell neoplasms. *Acta Neuropathol.* 127(4):565-72. (IF:9.78)
- Riener MO, Thiesler T, Hellerbrand C, Amann T, Cathomas G, Fritzsche FR, Dahl E, Bahra M, Weichert W, Terracciano L, Kristiansen G. (2014) Loss of anterior gradient-2 expression is an independent prognostic factor in colorectal carcinomas. *Eur J Cancer.* 50(10):1722-30. (IF:4.82)
- Riplinger SM, Wabnitz GH, Kirchgessner H, Jahraus B, Lasitschka F, Schulte B, van der Pluijm G, van der Horst G, Hammerling GJ, Nakhbandi I, Samstag Y. (2014) Metastasis of prostate cancer and melanoma cells in a preclinical in vivo mouse model is enhanced by L-plastin expression and phosphorylation. *Mol Cancer.* 13:10. (IF:5.40)
- Rocken C, Hofler H, Hummel M, Meyermann R, Zietz C, Schirmacher P. (2014) Participation in and support of clinical studies and other scientific investigations - Statement of the German Society for Pathology. *Pathol Res Pract.* 210(11):705-12. (IF:1.56)
- Roeder F, Lehner B, Schmitt T, Kasper B, Egerer G, Sedlaczek O, Grulich C, Mechttersheimer G, Wuchter P, Hensley FW, Huber PE, Debus J, Bischof M. (2014) Excellent local control with IOERT and postoperative EBRT in high grade extremity sarcoma: results from a subgroup analysis of a prospective trial. *BMC Cancer.* 14:350. (IF:3.32)
- Roeder F, Ulrich A, Habel G, Uhl M, Saleh-Ebrahimi L, Huber PE, Schulz-Ertner D, Nikoghosyan AV, Alldinger I, Krempien R, Mechttersheimer G, Hensley FW, Debus J, Bischof M. (2014) Clinical phase I/II trial to investigate preoperative dose-escalated intensity-modulated radiation therapy (IMRT) and intraoperative radiation therapy (IORT) in patients with retroperitoneal soft tissue sarcoma: interim analysis. *BMC Cancer.* 14(617). (IF:3.32)
- Roessler S, Budhu A, Wang XW. (2014) Deciphering cancer heterogeneity: the biological space. *Front Cell Dev Biol.* 2:12. (IF:0.00)
- Rudalska R, Dauch D, Longerich T, McJunkin K, Wuestefeld T, Kang TW, Hohmeyer A, Pesic M, Leibold J, von Thun A, Schirmacher P, Zuber J, Weiss KH, Powers S, Malek NP, Eilers M, Sipos B, Lowe SW, Geffers R, Laufer S, Zender L. (2014) In vivo RNAi screening identifies a mechanism of sorafenib resistance in liver cancer. *Nat Med.* 20(10):1138-46. (IF: 28.05)
- Runge A, Hu J, Wieland M, Bergeest JP, Mogler C, Neumann A, Geraud C, Arnold B, Rohr K, Komljenovic D, Schirmacher P, Goerdts S, Augustin HG. (2014) An inducible hepatocellular carcinoma model for preclinical evaluation of antiangiogenic therapy in adult mice. *Cancer Res.* 74(15):4157-69. (IF:9.28)
- Rupp C, Friedrich K, Folseraas T, Wannhoff A, Bode KA, Weiss KH, Schirmacher P, Sauer P, Stremmel W, Gotthardt DN. (2014) Fut2 genotype is a risk factor for dominant stenosis and biliary candida infections in primary sclerosing cholangitis. *Aliment Pharmacol Ther.* 39(8):873-82. (IF:5.48)
- Rupp C, Herpel E, Schnitzler P, Zawierucha A, Zwickel P, Klute L, Kadmon M, Stremmel W, Gauss A. (2014) Protracted primary cytomegalovirus infection presenting as ileoanal pouchitis in a non-immunosuppressed patient: a case report. *J Med Case Rep.* 8:163. (IF:)
- Schmidt T, Sivic L, Blank S, Becker K, Weichert W, Bruckner T, Parakonthon T, Langer R, Buchler MW, Siewert JR, Lordick F, Ott K. (2014) Prognostic value of histopathological regression in 850 neoadjuvantly treated oesophagogastric adenocarcinomas. *Br J Cancer.* 110(7):1712-20. (IF:4.82)
- Schmolders J, Gravius S, Friedrich MJ, Kriegsmann M, Wirtz DC, Kriegsmann J. (2014) [Soft tissue tumor near the joint: hibernoma]. *Z Orthop Unfall.* 152(4):366-8. (IF:0.62)
- Schnabel PA, Junker K. (2014) [Neuroendocrine tumors of the lungs : From small cell lung carcinoma to diffuse idiopathic pulmonary neuroendocrine cell hyperplasia]. *Pathologe.* 35(6):557-64. (IF: 0.64)
- Schneeweiss A, Seitz J, Smetanay K, Schuetz F, Jaeger D, Bachinger A, Zorn M, Sinn HP, Marme F. (2014) Efficacy of Nab-Paclitaxel Does Not Seem to Be Associated with SPARC Expression in Metastatic Breast Cancer. *Anticancer Res.* 34(11):6609-15. (IF:1.87)
- Schneider M, Schuler J, Hofflin R, Korzeniewski N, Grulich C, Roth W, Teber D, Hadaschik B, Pahernik S, Hohenfellner M, Duensing S. (2014) Phenotypic drug screening and target validation for improved personalized therapy reveal the complexity of phenotype-genotype correlations in clear cell renal cell carcinoma. *Urol Oncol.* 32(6):877-84. (IF:3.36)
- Schneider MR, Hiltwein F, Grill J, Blum H, Krebs S, Klanner A, Bauersachs S, Bruns C, Longerich T, Horst D, Brandl L, de Toni E, Herbst A, Kolligs FT. (2014) Evidence for a role of E-cadherin in suppressing liver carcinogenesis in mice and men. *Carcinogenesis.* 35(8):1855-62. (IF:5.27)
- Schrock A, Bode M, Goke FJ, Bareiss PM, Schairer R, Wang H, Weichert W, Franzen A, Kirsten R, van Bremen T, Queisser A, Kristiansen G, Hensley L, Bootz F, Lengerke C, Perner S. (2014) Expression and role of the embryonic protein SOX2 in head and neck squamous cell carcinoma. *Carcinogenesis.* 35(7):1636-42. (IF:5.27)
- Schroder-Braunstein J, Gras J, Brors B, Schwarz S, Szikszai T, Lasitschka F, Wabnitz G, Heidtmann A, Lee YS, Schiessling S, Leowardi C, Al-Saeedi M, Ulrich A, Engelke A, Winter J, Samstag Y, Giese T, Meuer S. (2014) Initiation of an inflammatory response in resident intestinal lamina propria cells - use of a human organ culture model. *PLoS One.* 9(5):e97780. (IF:3.53)

Schuhmann M, Bostanci K, Bugalho A, Warth A, Schnabel PA, Herth FJ, Eberhardt R. (2014) Endobronchial ultrasound-guided cryobiopsies in peripheral pulmonary lesions: a feasibility study. *Eur Respir J.* 43(1):233-9. (IF:7.13)

Schwenger V, Hankel V, Seckinger J, Macher-Göppinger S, Morath C, Zeisbrich M, Zeier M, Kihm LP. (2014) Contrast-enhanced ultrasonography in the early period after kidney transplantation predicts long-term allograft function. *Transplant Proc.* 46(10):3352-7. (IF: 0.98)

Seibold P, Vrieling A, Heinz J, Obi N, Sinn HP, Flesch-Janys D, Chang-Claude J. (2014) Pre-diagnostic smoking behaviour and poorer prognosis in a German breast cancer patient cohort - Differential effects by tumour subtype, NAT2 status, BMI and alcohol intake. *Cancer Epidemiol.* 38(4):419-26. (IF:2.56)

Senft J, Gehrig T, Lasitschka F, Linke GR, Shevchenko M, Bruckner T, Kenngott HG, Fischer L, Muller-Stich BP. (2014) Influence of weight and structure on biological behavior of polypropylene mesh prostheses placed at the esophageal hiatus. *J Laparoendosc Adv Surg Tech A.* 24(6):383-90. (IF:1.19)

Simpfendorfer T, Kuru TH, Steinemann S, Bergstrasser C, Block S, Roth W, Roethke MC, Hohenfellner M, Hadaschik BA. (2014) Trocar-sharpened needles for image-guided prostate biopsy improve sample quality and performance: first clinical results. *Endourol.* 28(11):1384-8. (IF:2.10)

Sinn BV, Striefler JK, Rudl MA, Lehmann A, Bahra M, Denkert C, Sinn M, Stieler J, Klauschen F, Budczies J, Weichert W, Stenzinger A, Kamphues C, Dietel M, Riess H. (2014) KRAS mutations in codon 12 or 13 are associated with worse prognosis in pancreatic ductal adenocarcinoma. *Pancreas.* 43(4):578-83. (IF: 3.01)

Sinn HP, Flechtenmacher C, Aulmann S. (2014) [Diagnostics of benign ductal epithelial cell proliferation of the breast in biopsy material]. *Pathologe.* 35(1):18-25. (IF: 0.64)

Sinn HP, Helmchen B, Heil J, Aulmann S. (2014) [Lobular neoplasms and invasive lobular breast cancer]. *Pathologe.* 35(1):45-53. (IF:0.64)

Sonnet M, Claus R, Becker N, Zucknick M, Petersen J, Lipka DB, Oakes CC, Andrulis M, Lier A, Milsom MD, Witte T, Gu L, Kim-Wanner SZ, Schirmacher P, Wulfert M, Gattermann N, Lubbert M, Rosenbauer F, Rehli M, Bullinger L, Weichenhan D, Plass C. (2014) Early aberrant DNA methylation events in a mouse model of acute myeloid leukemia. *Genome Med.* 6(4):34. (IF:4.94)

Sprengel SD, Renker EK, Mechttersheimer G, Macher-Göppinger S, Weber MA. (2014) [A cystic lesion in the ulna. A simple one-look diagnosis?]. *Radiologe.* 54(2):152-5. (IF:0.41)

Stampfl U, Bermejo JL, Sommer CM, Hoffmann K, Weiss KH, Schirmacher P, Schemmer P, Kauczor HU, Richter GM, Radeleff BA, Longerich T. (2014) Efficacy and nontarget effects of transarterial chemoembolization in bridging of hepatocellular carcinoma patients to liver transplantation: a histopathologic study. *J Vasc Interv Radiol.* 25(7):1018-26 e4. (IF:2.15)

Steinebrunner N, Mogler C, Vittas S, Hoyle B, Sandig C, Stremmel W, Eisenbach C. (2014) Pharmacologic cholinesterase inhibition improves survival in acetaminophen-induced acute liver failure in the mouse. *BMC Gastroenterol.* 14:148. (IF:2.11)

Stenzinger A, Endris V, Pfarr N, Andrulis M, Johrens K, Klauschen F, Siebolts U, Wolf T, Koch PS, Schulz M, Hartschuh W, Goerdts S, Lennerz JK, Wickenhauser C, Klapper W, Anagnostopoulos I, Weichert W. (2014) Targeted ultra-deep sequencing reveals recurrent and mutually exclusive mutations of cancer genes in blastic plasmacytoid dendritic cell neoplasm. *Oncotarget.* 5(15):6404-13. (IF:6.63)

Stenzinger A, Kriegsmann M, Weichert W. (2014) [The role of pathology in the diagnostics of CUP syndrome]. *Radiologe.* 54(2):124-33. (IF:0.41)

Stenzinger A, Pfarr N, Endris V, Penzel R, Jansen L, Wolf T, Herpel E, Warth A, Klauschen F, Kloor M, Roth W, Blaker H, Chang-Claude J, Brenner H, Hoffmeister M, Weichert W. (2014) Mutations in POLE and survival of colorectal cancer patients - link to disease stage and treatment. *Cancer Med.* 3(6):1527-38. (IF:2.94)

Stift J, Baba HA, Huber E, Federmann B, Fischer HP, Schmitt-Graeff A, Baurmann H, Bethge W, Schirmacher P, Wrba F, Greinix H, Fend F, Schwerdtfeger R, Shulman HM, Wolff D, Longerich T, Liver Pathology Group of the German-Austrian-Swiss Working Group on Gv HD. (2014) Consensus on the histopathological evaluation of liver biopsies from patients following allogeneic hematopoietic cell transplantation. *Virchows Arch.* 464(2):175-90. (IF:2.56)

Stoecklin G, Diederichs S. (2014) tRNAs: new tricks from old dogs. *EMBO J.* 33(18):1981-3. (IF:10.75)

Strobel O, Hinz U, Gluth A, Hank T, Hackert T, Bergmann F, Werner J, Buchler MW. (2014) Pancreatic Adenocarcinoma: Number of Positive Nodes Allows to Distinguish Several N Categories. *Ann Surg.* 260(5):848-55. (IF:7.19)

Sultmann H, Diederichs S. (2014) Long noncoding RNA: "LNCs" to cancer. *Eur Urol.* 65(6):1152-3. (IF:12.48)

Theile D, Gal Z, Warta R, Rigalli JP, Lahrmann B, Grabe N, Herold-Mende C, Dyckhoff G, Weiss J. (2014) Antiproliferative efficacies but minor drug transporter inducing effects of paclitaxel, cisplatin, or 5-fluorouracil in a murine xenograft model for head and neck squamous cell carcinoma. *Cancer Biol Ther.* 15(4):436-42. (IF:3.63)

Thiele OC, Mertens C, Bacon C, Flechtenmacher C, Zaoui K, Mischkowski RA. (2014) Facial basal cell carcinoma with successive metastases to the neck, thyroid gland and lung. *J Craniomaxillofac Surg.* 42(5):489-91. (IF:2.60)

Thomann S, Longerich T, Bazhin AV, Mier W, Schemmer P, Ryschich E. (2014) Selective targeting of liver cancer with the endothelial marker CD146. *Oncotarget.* 5(18):8614-24. (IF:6.63)

Trautmann M, Sievers E, Aretz S, Kindler D, Michels S, Friedrichs N, Renner M, Kirfel J, Steiner S, Huss S, Koch A, Penzel R, Larsson O, Kawai A, Tanaka S, Sonobe H, Waha A, Schirmacher P, Mechttersheimer G, Wardelmann E, Buttner R, Hartmann W. (2014) SS18-SSX fusion protein-induced Wnt/beta-catenin signaling is a therapeutic target in synovial sarcoma. *Oncogene.* 33(42):5006-16. (IF:8.56)

Tschaharganeh DF, Xue W, Calvisi DF, Evert M, Michurina TV, Dow LE, Banito A, Katz SF, Kastenhuber ER, Weissmueller S, Huang CH, Lechel A, Andersen JB, Capper D, Zender L, Longerich T, Nikolopov G, Lowe SW. (2014) p53-dependent Nestin regulation links tumor suppression to cellular plasticity in liver cancer. *Cell.* 158(3):579-92. (IF:33.12)

Urbanik T, Koehler BC, Wolpert L, Elssner C, Scherr AL, Longerich T, Kautz N, Welte S, Hovelmeyer N, Jager D, Waisman A, Schulze-Bergkamen H. (2014) CYLD deletion triggers nuclear factor-kappaB-signaling and increases cell death resistance in murine hepatocytes. *World J Gastroenterol.* 20(45):17049-64. (IF:2.43)

Vafaie M, Biener M, Mueller M, Schnabel PA, Andre F, Steen H, Zorn M, Schueler M, Blankenberg S, Katus HA, Giannitsis E. (2014) Analytically false or true positive elevations of high sensitivity cardiac troponin: a systematic approach. *Heart.* 100(6):508-14. (IF:6.02)

Veits L, Schupfner R, Hufnagel P, Penzel R, Freitag J, Strobel P, Kern MA, Schroder S, Neuhold N, Schmid KW, Schirmacher P, Hartmann A, Rieker RJ. (2014) KRAS, EGFR, PDGFR-alpha, KIT and COX-2 status in carcinoma showing thymus-like elements (CASTLE). *Diagn Pathol.* 9(116): 1-7. (IF:2.41)

von Laffert M, Warth A, Penzel R, Schirmacher P, Kerr KM, Elmberger G, Schildhaus HU, Buttner R, Lopez-Rios F, Reu S, Kirchner T, Pauwels P, Specht K, Drecoll E, Hofler H, Aust D, Baretton G, Bubendorf L, Stallmann S, Fisseler-Eckhoff A, Soltermann A, Tischler V, Moch H, Penault-Llorca F, Hager H, Schaper F, Lenze D, Hummel M, Dietel M. (2014) Multicenter Immunohistochemical ALK-Testing of Non-Small-Cell Lung Cancer Shows High Concordance after Harmonization of Techniques and Interpretation Criteria. *J Thorac Oncol.* 9(11):1685-92. (IF:5.80)

von Laffert M, Penzel R, Schirmacher P, Warth A, Lenze D, Hummel M, Dietel M. (2014) Multicenter ALK testing in non-small-cell lung cancer: results of a round robin test. *J Thorac Oncol.* 9(10):1464-9. (IF:5.80)

von Winterfeld M, Hoffmeister M, Ingold-Heppner B, Jansen L, Tao S, Herpel E, Schirmacher P, Dietel M, Chang-Claude J, Autschbach F, Brenner H, Blaker H. (2014) Frequency of therapy-relevant staging shifts in colorectal cancer through the introduction of pN1c in the 7th TNM edition. *Eur J Cancer.* 50(17):2958-65. (IF:4.82)

Waldburger N, Habbe N, Schulze F, Lindenmaier H, Ulrich F, Bechstein WO, Schirmacher P, Longerich T. (2014) Multifokale maligne Transformation β -Catenin-aktivierter hepatozellulärer Adenome nach Missbrauch anaboler Steroide. *Gastro up2date.* 10:73-76. (IF:0.00)

Walstab J, Wohlfarth C, Hovius R, Schmitteckert S, Roth R, Lasitschka F, Wink M, Bonisch H, Niesler B. (2014) Natural compounds boldine and menthol are antagonists of human 5-HT3 receptors: implications for treating gastrointestinal disorders. *Neurogastroenterol Motil.* 26(6):810-20. (IF:3.42)

Wangerin H, Kristiansen G, Schlomm T, Stephan C, Gunia S, Zimpfer A, Weichert W, Sauter G, Erbersdobler A. (2014) CD57 expression in incidental, clinically manifest, and metastatic carcinoma of the prostate. *Biomed Res Int.* 2014:356427. (IF:0.00)

Warta R, Herold-Mende C, Chaisaingmongkol J, Popanda O, Mock A, Mogler C, Osswald F, Herpel E, Kustner S, Eckstein V, Plass C, Plinkert P, Schmezer P, Dyckhoff G. (2014) Reduced promoter methylation and increased expression of CSPG4 negatively influences survival of HNSCC patients. *Int J Cancer.* 135(11):2727-34. (IF:5.01)

Warta R, Theile D, Mogler C, Herpel E, Grabe N, Lahrmann B, Plinkert PK, Herold-Mende C, Weiss J, Dyckhoff G. (2014) Association of drug transporter expression with mortality and progression-free survival in stage IV head and neck squamous cell carcinoma. *PLoS One.* 9(9):e108908. (IF:3.53)

Warth A, Cortis J, Soltermann A, Meister M, Budczies J, Stenzinger A, Goepfert B, Thomas M, Herth FJ, Schirmacher P, Schnabel PA, Hoffmann H, Dienemann H, Muley T, Weichert W. (2014) Tumour cell proliferation (Ki-67) in non-small cell lung cancer: a critical reappraisal of its prognostic role. *Br J Cancer.* 111(6):1222-9. (IF:4.82)

Warth A, Endris V, Penzel R, Weichert W. (2014) [Molecular pathology of lung cancer : State of the art 2014]. *Pathologie.* 35(6):565-73. (IF: 0.64)

Warth A, Muley T, Dienemann H, Goepfert B, Stenzinger A, Schnabel PA, Schirmacher P, Penzel R, Weichert W. (2014) ROS1 expression and translocations in non-small-cell lung cancer: clinicopathological analysis of 1478 cases. *Histopathology.* 65(2):187-94. (IF:3.30)

Warth A, Penzel R, Lindenmaier H, Brandt R, Stenzinger A, Herpel E, Goepfert B, Thomas M, Herth FJ, Dienemann H, Schnabel PA, Schirmacher P, Hoffmann H, Muley T, Weichert W. (2014) EGFR, KRAS, BRAF and ALK gene alterations in lung adenocarcinomas: patient outcome, interplay with morphology and immunophenotype. *Eur Respir J.* 43(3):872-83. (IF:7.13)

Warth A, Penzel R, Weichert W, Schirmacher P. (2014) Moderne Diagnostik des Lungenkarzinoms. *Onkologie* 3: 9-13. (IF:0.84)

Weichert W, Warth A. (2014) Early lung cancer with lepidic pattern: adenocarcinoma in situ, minimally invasive adenocarcinoma, and lepidic predominant adenocarcinoma. *Curr Opin Pulm Med.* 20(4):309-16. (IF:2.96)

Weitnauer M, Schmidt L, Ng Kuet Leong N, Muenchau S, Lasitschka F, Eckstein V, Hubner S, Tuckermann J, Dalpke AH. (2014) Bronchial epithelial cells induce alternatively activated dendritic cells dependent on glucocorticoid receptor signaling. *J Immunol.* 193(3):1475-84. (IF:5.36)

Welte S, Urbanik T, Elssner C, Kautz N, Koehler BC, Waldburger N, Bermejo JL, Pinna F, Weiss KH, Schemmer P, Jaeger D, Longerich T, Breuhahn K, Schulze-Bergkamen H. (2014) Nuclear expression of the deubiquitinase CYLD is associated with improved survival in human hepatocellular carcinoma. *PLoS One.* 9(10):e110591. (IF:3.53)

Winkler J, Ori A, Holzer K, Sticht C, Dauch D, Eiteneuer EM, Pinna F, Geffers R, Ehemann V, Andres-Pons A, Breuhahn K, Longerich T, Bermejo JL, Gretz N, Zender L, Schirmacher P, Beck M, Singer S. (2014) Prosurvival function of the cellular apoptosis susceptibility/importin-alpha1 transport cycle is repressed by p53 in liver cancer. *Hepatology.* 60(3):884-95. (IF:11.19)

Wolf J, Muller-Decker K, Flechtenmacher C, Zhang F, Shahmoradgoli M, Mills GB, Hoheisel JD, Boettcher M. (2014) An in vivo RNAi screen identifies SALL1 as a tumor suppressor in human breast cancer with a role in CDH1 regulation. *Oncogene.* 33(33):4273-8. (IF:8.56)

Zhou X, Tolstov Y, Arslan A, Roth W, Grüllich C, Pahernik S, Hohenfellner M, Duensing S. (2014) Harnessing the p53-PUMA Axis to Overcome DNA Damage Resistance in Renal Cell Carcinoma. *Neoplasia.* 16(12):1028-35. (IF: 5.40)

Publications 2013

Acosta JC, Banito A, Wuestefeld T, Georgilis A, Janich P, Morton JP, Athineos D, Kang TW, Lasitschka F, Andrulis M, Pascual G, Morris KJ, Khan S, Jin H, Dharmalingam G, Snijders AP, Carroll T, Capper D, Pritchard C, Inman GJ, Longrich T, Sansom OJ, Benitah SA, Zender L, Gil J. (2013) A complex secretory program orchestrated by the inflammasome controls paracrine senescence. *Nat Cell Biol.* 15(8):978-90. (IF:20.76)

Aigner J, Smetanay K, Hof H, Sinn HP, Sohn C, Schneeweiss A, Marme F. (2013) Omission of axillary dissection according to ACOSOG Z0011: impact on adjuvant treatment recommendations. *Ann Surg Oncol.* 20(5):1538-44. (IF:4.12)

Andrulis M, Lehnert N, Capper D, Penzel R, Heining C, Huellin J, Zenz T, von Deimling A, Schirmacher P, Ho AD, Goldschmidt H, Neben K, Raab MS. (2013) Targeting the BRAF V600E mutation in multiple myeloma. *Cancer Discov.* 3(8):862-9. (IF:10.14)

Baccelli I, Schneeweiss A*, Riethdorf S, Stenzinger A, Schillert A, Vogel V, Klein C, Saini M, Bauerle T, Wallwiener M, Holland-Letz T, Hofner T, Sprick M, Scharpf M, Marme F, Sinn HP, Pantel K*, Weichert W*, Trumpp A. (2013) Identification of a population of blood circulating tumor cells from breast cancer patients that initiates metastasis in a xenograft assay. *Nat Biotechnol.* 31(6):539-44. (IF:32.44)

Balabaud C, Al-Rabih WR, Chen PJ, Evason K, Ferrell L, Hernandez-Prera JC, Huang SF, Longrich T, Park YN, Quaglia A, Schirmacher P, Sempoux C, Thung SN, Torbenson M, Wee A, Yeh MM, Yeh SH, Le Bail B, Zucman-Rossi J, Bioulac-Sage P. (2013) Focal Nodular Hyperplasia and Hepatocellular Adenoma around the World Viewed through the Scope of the Immunopathological Classification. *Int J Hepatol.* Article ID. 268625. (IF:)

Bergmann F. (2013) [Gastroenteropancreatic neuroendocrine neoplasms : Role of biopsies]. *Pathologe.* 34 Suppl 2:221-5. (IF:0.62)

Blank S, Lordick F, Dobritz M, Grenacher L, Burian M, Langer R, Roth W, Schaible A, Becker K, Blaker H, Sasic L, Stange A, Compani P, Schulze-Bergkamen H, Jager D, Buchler M, Siewert JR, Ott K. (2013) A reliable risk score for stage IV esophagogastric cancer. *Eur J Surg Oncol.* 39(8):823-30. (IF:2.61)

Blank S, Stange A, Sasic L, Roth W, Grenacher L, Sterzing F, Burian M, Jager D, Buchler M, Ott K. (2013) Preoperative therapy of esophagogastric cancer: the problem of nonresponding patients. *Langenbecks Arch Surg.* 398(2):211-20. (IF:1.89)

Blattmann C, Thiemann M, Stenzinger A, Christmann A, Roth E, Ehemann V, Debus J, Kulozik AE, Weichert W, Huber PE, Oertel S, Abdollahi A. (2013) Radiosensitization by histone deacetylase inhibition in an osteosarcoma mouse model. *Strahlenther Onkol.* 189(11):957-66. (IF:4.16)

Braun L, Mietzsch F, Seibold P, Schneeweiss A, Schirmacher P, Chang-Claude J, Sinn Hp, Aulmann S. (2013) Intrinsic breast cancer subtypes defined by estrogen receptor signalling-prognostic relevance of progesterone receptor loss. *Mod Pathol.* 26(9):1161-71. (IF:5.25)

Buitrago-Molina LE, Marhenke S, Longrich T, Sharma AD, Boukouris AE, Geffers R, Guigas B, Manns MP, Vogel A. (2013) The degree of liver injury determines the role of p21 in liver regeneration and hepatocarcinogenesis in mice. *Hepatology.* 58(3):1143-52. (IF:12.00)

Bulut OC, Dyckhoff G, Spletstoesser W, Nemeth J, Klauschen F, Penzel R, Plinkert PK, Simon C, Weichert W, Stenzinger A. (2013) Unmasked: when a clinically malignant disease turns out infectious. A rare case of tularemia. *Int J Surg Pathol.* 21(1):76-81. (IF:0.76)

Bulut OC, Lindel K, Hauswald H, Brandt R, Klauschen F, Wolf J, Wolf T, Plinkert PK, Simon C, Weichert W, Stenzinger A. (2013) Clinical and molecular characteristics of HNSCC patients with brain metastases: a retrospective study. *Eur Arch Otorhinolaryngol.* 21(1):76-81. (IF:1.46)

Chatterjee M, Andrulis M, Stuhmer T, Muller E, Hofmann C, Steinbrunn T, Heimberger T, Schraud H, Kressmann S, Einsele H, Bargou RC. (2013) The PI3K/Akt signaling pathway regulates the expression of Hsp70, which critically contributes to Hsp90-chaperone function and tumor cell survival in multiple myeloma. *Haematologica.* 98(7):1132-41. (IF:5.94)

Combs SE, Habermehl D, Kessel K, Bergmann F, Werner J, Brecht I, Schirmacher P, Jager D, Buchler MW, Debus J. (2013) Intensity modulated radiotherapy as neoadjuvant chemoradiation for the treatment of patients with locally advanced pancreatic cancer. Outcome analysis and comparison with a 3D-treated patient cohort. *Strahlenther Onkol.* 189(9):738-44. (IF:4.16)

Cuk K, Zucknick M, Madhavan D, Schott S, Golatta M, Heil J, Marme F, Turchinovich A, Sinn P, Sohn C, Junkermann H, Schneeweiss A, Burwinkel B. (2013) Plasma microRNA panel for minimally invasive detection of breast cancer. *PLoS One.* 8(10):e76729. (IF:3.73)

D'Haese JG, Demir IE, Kehl T, Winckler J, Giese NA, Bergmann F, Giese T, Buchler MW, Friess H, Hartel M, Ceyhan GO. (2013) The impact of MFG-E8 in chronic pancreatitis: potential for future immunotherapy?. *BMC Gastroenterol.* 13(14). (IF:2.11)

Denkert C, Erbersdobler A, Kellner U, Kristiansen G, Lage H, Petersen I, Rocken C, Stenzinger A, Turzynski A, Weichert W. (2013) [Congratulations on your birthday, dear Mr. Dietel!]. *Pathologe.* 34(5):389-90. (IF:0.62)

Derer S, Till A, Haesler R, Sina C, Grabe N, Jung S, Nikolaus S, Kuehbacher T, Groetzing J, Rose-John S, Rosenstiel PC, Schreiber S. (2013) mTNF reverse signalling induced by TNFalpha antagonists involves a GDF-1 dependent pathway: implications for Crohn's disease. *Gut.* 62(3):376-86. (IF:10.73)

Dietmaier W, Penzel R, Merkelbach-Bruse S. (2013) [Report on the general assembly of the Working Group on Molecular pathology during the 97th annual congress of the German Society of Pathology (DGP) in Heidelberg]. *Pathologe.* 34 Suppl 2(295-6). (IF:0.62)

Dietrich S, Falk CS, Benner A, Karamustafa S, Hahn E, Andrulis M, Hegenbart U, Ho AD, Dreger P, Luft T. (2013) Endothelial vulnerability and endothelial damage are associated with risk of graft-versus-host disease and response to steroid treatment. *Biol Blood Marrow Transplant.* 19(1):22-7. (IF:3.94)

Dietrich S, Huellein J, Hundemer M, Lehnert N, Jethwa A, Capper D, Acker T, Garvalov BK, Andrulis M, Blume C, Schulte C, Mandel T, Meissner J, Frohling S, von Kalle C, Glimm H, Ho AD, Zenz T. (2013) Continued response off treatment after BRAF inhibition in refractory hairy cell leukemia. *J Clin Oncol.* 31(19):e300-3. (IF:18.04)

Dreidax D, Gogolin S, Schroeder C, Muth D, Brueckner LM, Hess EM, Zapatka M, Theissen J, Fischer M, Ehemann V, Schwab M, Savelyeva L, Westermann F. (2013) Low p14ARF expression in neuroblastoma cells is associated with repressed histone mark status, and enforced expression induces growth arrest and apoptosis. *Hum Mol Genet.* 22(9):1735-45. (IF:7.69)

Drigotas M*, Affolter A*, Mann WJ, Brieger J. (2013) Reactive oxygen species activation of MAPK pathway results in VEGF upregulation as an undesired irradiation response. *J Oral Pathol Med.* 42(8):612-9. (IF:2.06) *These authors contributed equally to this work

Dzieran J, Fabian J, Feng T, Coulouarn C, Ilkavets I, Kyselova A, Breuhahn K, Dooley S, Meindl-Beinker NM. (2013) Comparative analysis of TGF-beta/Smad signaling dependent cytostasis in human hepatocellular carcinoma cell lines. *PLoS One.* 8(8):e72252. (IF:3.73)

Eissmann M, Schwamb B, Melzer IM, Moser J, Siele D, Kohl U, Rieker RJ, Wachter DL, Agaimy A, Herpel E, Baumgarten P, Mittelbronn M, Rakel S, Kogel D, Bohm S, Gutschner T, Diederichs S, Zornig M. (2013) A functional yeast survival screen of tumor-derived cDNA libraries designed to identify anti-apoptotic mammalian oncogenes. *PLoS One.* 8(5):e64873. (IF:3.73)

Elsawaf Z, Sinn HP, Rom J, Bermejo JL, Schneeweiss A, Aulmann S. (2013) Biological subtypes of triple-negative breast cancer are associated with distinct morphological changes and clinical behaviour. *Breast.* 22(5):986-92. (IF:1.97)

Endris V, Penzel R, Warth A, Muckenhuber A, Schirmacher P, Stenzinger A*, Weichert W*. (2013) Molecular diagnostic profiling of lung cancer specimens with a semiconductor-based massive parallel sequencing approach: feasibility, costs, and performance compared with conventional sequencing. *J Mol Diagn.* 15(6):765-75. (IF:3.95) *These two authors contributed equally to this work

Fiegler N, Textor S, Arnold A, Rolle A, Oehme I, Breuhahn K, Moldenhauer G, Witzens-Harig M, Cerwenka A. (2013) Downregulation of the activating NKp30 ligand B7-H6 by HDAC inhibitors impairs tumor cell recognition by NK cells. *Blood.* 22(5):684-93. (IF:9.06)

Fink B, Gebhard A, Fuerst M, Berger I, Schafer P. (2013) High diagnostic value of synovial biopsy in periprosthetic joint infection of the hip. *Clin Orthop Relat Res.* 471(3):956-64. (IF:2.79)

Fonouni H, Jarahian P, Rad MT, Golriz M, Faridar A, Esmailzadeh M, Hafezi M, Macher-Goeppinger S, Longerich T, Orakcioglu B, Sakowitz OW, Garoussi C, Mehrabi A. (2013) Evaluating the effects of extended cold ischemia on interstitial metabolite in grafts in kidney transplantation using microdialysis. *Langenbecks Arch Surg.* 398(1):87-97. (IF:1.89)

Friedrich K, Rupp C, Hov JR, Steinebrunner N, Weiss KH, Stiehl A, Brune M, Schaefer PK, Schemmer P, Sauer P, Schirmacher P, Runz H, Karlsen TH, Stremmel W, Gotthardt DN. (2013) A frequent PNPLA3 variant is a sex specific disease modifier in PSC patients with bile duct stenosis. *PLoS One.* 8(3):e58734. (IF:3.73)

Friedrich OL, Sinn HP, Sohn C, Eichbaum M. (2013) Giant struma ovarii. *Arch Gynecol Obstet.* 287(2):399-400. (IF:1.33)

Funke V, Lehmann-Koch J, Bickeboller M, Benner A, Tagscherer KE, Grund K, Pfeifer M, Herpel E, Schirmacher P, Chang-Claude J, Brenner H, Hoffmeister M, Roth W. (2013) The PEA-15/PED protein regulates cellular survival and invasiveness in colorectal carcinomas. *Cancer Lett.* 335(2):431-40. (IF:4.26)

Gaiser MR, Stadler R, Schirmacher P, Dietel M, Enk A. (2013) Mutation analysis in malignant melanoma. *J Dtsch Dermatol Ges.* 11 Suppl 4(2-10). (IF:1.40)

Geraud C*, Mogler C*, Runge A, Evdokimov K, Lu S, Schledzewski K, Arnold B, Hammerling G, Koch PS, Breuhahn K, Longerich T, Marx A, Weiss C, Damm F, Schmieder A, Schirmacher P, Augustin HG, Goerdts S. (2013) Endothelial transdifferentiation in hepatocellular carcinoma: loss of Stabilin-2 expression in peri-tumourous liver correlates with increased survival. *Liver Int.* 33(9):1428-40. (IF:3.87) * Both authors contributed equally to this work

Glowa C, Peschke P, Karger CP, Hahn EW, Huber PE, Debus J, Ehemann V. (2013) Flow cytometric characterization of tumor subpopulations in three sublines of the Dunning R3327 rat prostate tumor model. *Prostate.* 73(15):1710-20. (IF:3.84)

Goeppert B, Frauenschuh L, Zucknick M, Stenzinger A, Andrusis M, Klauschen F, Joehrens K, Warth A, Renner M, Mehrabi A, Hafezi M, Thelen A, Schirmacher P, Weichert W. (2013) Prognostic impact of tumour-infiltrating immune cells on biliary tract cancer. *Br J Cancer.* 109(10):2665-74. (IF:5.08)

Goeppert B, Schmidt CR, Geiselhart L, Dutruel C, Capper D, Renner M, Vogel MN, Zachskorn C, Zinke J, Campos B, Schmezer P, Popanda O, Wick W, Weller M, Meyermann R, Schittenhelm J, Harter PN, Simon P, Weichert W, Schirmacher P, Plass C, Mittelbronn M. (2013) Differential expression of the tumor suppressor A-kinase anchor protein 12 in human diffuse and pilocytic astrocytomas is regulated by promoter methylation. *J Neuropathol Exp Neurol.* 72(10):933-41. (IF:4.35)

Gogolin S, Batra R, Harder N, Ehemann V, Paffhausen T, Diessl N, Sagulenko V, Benner A, Gade S, Nolte I, Rohr K, Konig R, Westermann F. (2013) MYCN-mediated overexpression of mitotic spindle regulatory genes and loss of p53-p21 function jointly support the survival of tetraploid neuroblastoma cells. *Cancer Lett.* 331(1):35-45. (IF:4.26)

Gogolin S, Ehemann V, Becker G, Brueckner LM, Dreidax D, Bannert S, Nolte I, Savelyeva L, Bell E, Westermann F. (2013) CDK4 inhibition restores G(1)-S arrest in MYCN-amplified neuroblastoma cells in the context of doxorubicin-induced DNA damage. *Cell Cycle.* 12(7):1091-104. (IF:5.32)

Goke F, Goke A, von Massenhausen A, Franzen A, Sharma R, Kirsten R, Bohm D, Kristiansen G, Stenzinger A, Wynes M, Hirsch FR, Weichert W, Heasley L, Buettner R, Perner S. (2013) Fibroblast growth factor receptor 1 as a putative therapy target in colorectal cancer. *Digestion.* 88(3):172-81. (IF:1.94)

Gotthardt DN, Senft J, Sauer P, Weiss KH, Flechtenmacher C, Eckerle I, Schaefer Y, Schirmacher P, Stremmel W, Schemmer P, Schnitzler P. (2013) Occult cytomegalovirus cholangitis as a potential cause of cholestatic complications after orthotopic liver transplantation? A study of cytomegalovirus DNA in bile. *Liver Transpl.* 19(10):1142-50. (IF:3.94)

Gottschling S, Granzow M, Kuner R, Jauch A, Herpel E, Xu EC, Muley T, Schnabel PA, Herth FJ, Meister M. (2013) Mesenchymal stem cells in non-small cell lung cancer--different from others? Insights from comparative molecular and functional analyses. *Lung Cancer.* 80(1):19-29. (IF:3.39)

- Gottschling S, Jensen K, Herth FJ, Thomas M, Schnabel PA, Herpel E. (2013) Lack of prognostic significance of neuroendocrine differentiation and stem cell antigen co-expression in resected early-stage non-small cell lung cancer. *Anticancer Res.* 33(3):981-90. (IF:1.71)
- Gottschling S, Jensen K, Warth A, Herth FJ, Thomas M, Schnabel PA, Herpel E. (2013) Stage-specific embryonic antigen-4 is expressed in basaloid lung cancer and associated with poor prognosis. *Eur Respir J.* 41(3):656-63. (IF:6.36)
- Greten TF, Malek NP,Schirmacher P,Wittekind C, Wormann B, Zech CJ. (2013) [Diagnosis of and therapy for hepatocellular carcinoma]. *Z Gastroenterol.* 51(11):1269-326. (IF:1.41)
- Groschel A, Warth A, Reinmuth N. (2013) [Crizotinib - molecular therapy for lung cancer]. *Pneumologie.* 67(4):205-8. (IF)
- Gruber S, Straub BK, Ackermann PJ, Wunderlich CM, Mauer J, Seeger JM, Buning H, Heukamp L, Kashkar H, Schirmacher P, Bruning JC, Wunderlich FT. (2013) Obesity promotes liver carcinogenesis via Mcl-1 stabilization independent of IL-6/alpha signaling. *Cell Rep.* 4(4):669-80. (IF)
- Gu H, Fortunato F, Bergmann F, Buchler MW, Whitcomb DC, Werner J. (2013) Alcohol exacerbates LPS-induced fibrosis in subclinical acute pancreatitis. *Am J Pathol.* 183(5):1508-17. (IF:4.52)
- Gu H, Werner J, Bergmann F, Whitcomb DC, Buchler MW, Fortunato F. (2013) Necro-inflammatory response of pancreatic acinar cells in the pathogenesis of acute alcoholic pancreatitis. *Cell Death Dis.* 4(e816). (IF:6.04)
- Gurlevik E, Fleischmann-Mundt B, Armbrrecht N, Longerich T, Woller N, Kloos A, Hoffmann D, Schambach A, Wirth TC, Manns MP, Zender L, Kubicka S, Kuhnel F. (2013) Adjuvant gemcitabine therapy improves survival in a locally induced, R0-resectable model of metastatic intrahepatic cholangiocarcinoma. *Hepatology.* 58(3):1031-41. (IF:12.00)
- Gut N, Piecha G, Aldebsi F, Schaefer S, Bekeredjian R, Schirmacher P, Ritz E, Gross-Weissmann ML. (2013) Erythropoietin combined with ACE inhibitor prevents heart remodeling in 5/6 nephrectomized rats independently of blood pressure and kidney function. *Am J Nephrol.* 38(2):124-35. (IF:2.62)
- Gutschner T, Hammerle M, Diederichs S. (2013) MALAT1 -- a paradigm for long noncoding RNA function in cancer. *J Mol Med. (Berl).* 91(7):791-801. (IF:4.77)
- Gutschner T, Hammerle M, Eissmann M, Hsu J, Kim Y, Hung G, Revenko A, Arun G, Stenrup M, Gross M, Zornig M, MacLeod AR, Spector DL, Diederichs S. (2013) The noncoding RNA MALAT1 is a critical regulator of the metastasis phenotype of lung cancer cells. *Cancer Res.* 73(3):1180-9. (IF:8.65)
- Habermehl D, Brecht IC, Bergmann F, Welzel T, Rieken S, Werner J, Schirmacher P, Buchler MW, Debus J, Combs SE. (2013) Chemoradiation in patients with isolated recurrent pancreatic cancer - therapeutic efficacy and probability of re-resection. *Radiat Oncol.* 8(27). (IF:2.11)
- Halama N, Spille A, Lerchl T, Brand K, Herpel E, Welte S, Keim S, Lahrman B, Klupp F, Kahlert C, Weitz J, Grabe N, Jaeger D, Zoernig I. (2013) Hepatic metastases of colorectal cancer are rather homogeneous but differ from primary lesions in terms of immune cell infiltration. *Oncoimmunology.* 2(4):e24116. (IF)
- Halec G, Holzinger D, Schmitt M, Flechtenmacher C, Dyckhoff G, Lloveras B, Hofler D, Bosch FX, Pawlita M. (2013) Biological evidence for a causal role of HPV16 in a small fraction of laryngeal squamous cell carcinoma. *Br J Cancer.* 109(1):172-83. (IF:5.08)
- Hämmerle M, Gutschner T, Uckelmann H, Ozgur S, Fiskin E, Gross M, Skawran B, Geffers R, Longerich T, Breuhahn K, Schirmacher P, Stoecklin G, Diederichs S. (2013) Posttranscriptional destabilization of the liver-specific long noncoding RNA HULC by the IGF2 mRNA-binding protein 1 (IGF2BP1). *Hepatology.* 58(5):1703-12. (IF:12.00)
- Hampf V, Martin C, Aigner A, Hoebel S, Singer S, Frank N, Sarikas A, Ebert O, Prywes R, Gudermann T, Muehlich S. (2013) Depletion of the transcriptional coactivators megakaryoblastic leukaemia 1 and 2 abolishes hepatocellular carcinoma xenograft growth by inducing oncogene-induced senescence. *EMBO Mol Med.* 5(9):1367-82. (IF:7.80)
- Hatiboglu G, Pritsch M, Macher-Goeppinger S, Zoller M, Huber J, Haferkamp A, Pahernik S, Wagener N, Hohenfellner M. (2013) Prognostic value of melanoma-associated antigen A9 in renal cell carcinoma. *Scand J Urol.* 47(4):311-22. (IF:1.00)
- Haug A, Pfluger T, Schnabel PA, Zaba O. (2013) Management von Tumoren mit neuroendokriner Differenzierung. *Onkologie.* 36 Suppl 6(9-13). (IF:1.00)
- Heimberger T, Andrulis M, Riedel S, Stuhmer T, Schraud H, Beilhack A, Bumm T, Bogen B, Einsele H, Bargou RC, Chatterjee M. (2013) The heat shock transcription factor 1 as a potential new therapeutic target in multiple myeloma. *Br J Haematol.* 160(4):465-76. (IF:4.94)
- Held M, Jany B, Warth A, Wilkens H. (2013) [Pulmonary hypertension and Langerhans' cell granulomatosis: successful treatment with sildenafil and iloprost]. *Dtsch Med Wochenschr.* 138(11):524-7. (IF:0.65)
- Herpel E. (2013) Gewebebanken – die Beteiligung der außeruniversitären Pathologie ist wichtig! *PathoPunkt* 04/13, S. 8-9.
- Herpel E, Hummel M. (2013) [Research biobanks--development and structure]. *Dtsch Med Wochenschr.* 138(20):1069-72. (IF:0.65)
- Herth FJ, Bubendorf L, Gutz S, Morresi-Hauf A, Hummel M, Junker K, Lehmann U, Petersen I, Schnabel PA, Warth A. (2013) [Diagnostic and predictive analyses of cytological specimens of non-small cell lung cancer: strategies and challenges]. *Pneumologie.* 67(4):198-204. (IF)
- Hofner T, Macher-Goeppinger S, Klein C, Rigo-Watermeier T, Eisen C, Pahernik S, Hohenfellner M, Trumpp A, Sprick MR. (2013) Development and characteristics of preclinical experimental models for the research of rare neuroendocrine bladder cancer. *J Urol.* 190(6):2263-70. (IF:3.70)
- Hoffmeister M*, Blaker H*, Kloor M, Roth W, Toth C, Herpel E, Frank B, Schirmacher P, Chang-Claude J, Brenner H. (2013) Body Mass Index and Microsatellite Instability in Colorectal Cancer: A Population-based Study. *Cancer Epidemiol Biomarkers Prev.* 22(12):2303-11. (IF:4.56)
- *These two authors contributed equally to this work

- Holzinger D, Flechtenmacher C, Henfling N, Kaden I, Grabe N, Lahrmann B, Schmitt M, Hess J, Pawlita M, Bosch FX. (2013) Identification of oropharyngeal squamous cell carcinomas with active HPV16 involvement by immunohistochemical analysis of the retinoblastoma protein pathway. *Int J Cancer*. 133(6):1389-99. (IF:6.20)
- Hristova NR, Tagscherer KE, Fassl A, Kopitz J, Roth W. (2013) Notch1-dependent regulation of p27 determines cell fate in colorectal cancer. *Int J Oncol*. 43(6):1967-75. (IF:2.66)
- Huang B, Belharazem D, Li L, Kneitz S, Schnabel PA, Rieker RJ, Korner D, Nix W, Schalke B, Muller-Hermelink HK, Ott G, Rosenwald A, Strobel P, Marx A. (2013) Anti-Apoptotic Signature in Thymic Squamous Cell Carcinomas - Functional Relevance of Anti-Apoptotic BIRC3 Expression in the Thymic Carcinoma Cell Line 1889c. *Front Oncol*. 3(316). (IF)
- Huber J, Herpel E, Jakobi H, Hadaschik BA, Pahernik S, Hohenfellner M. (2013) Two decades' experience with a prospective biobank for urologic oncology: research, clinical care, and the patients' view. *Urol Oncol*. 31(7):990-6. (IF:3.65)
- Jantos R, Stein KM, Flechtenmacher C, Skopp G. (2013) A fatal case involving a caffeine-containing fat burner. *Drug Test Anal*. 5(9-10):773-6. (IF:3.28)
- Junker K, Langer F, Schnabel P. (2013) [Update pulmonary pathology : Report of the Pulmonary Pathology Working Group of the German Society of Pathology]. *Pathologe*. 34 Suppl 2(304-7). (IF:0.62)
- Kacker C, Marx A, Mossinger K, Svehla F, Schneider U, Hogendoorn PC, Nielsen OS, Kuffer S, Sauer C, Fisher C, Hallermann C, Hartmann JT, Blay JY, Mechttersheimer G, Hohenberger P, Strobel P. (2013) High frequency of MYC gene amplification is a common feature of radiation-induced sarcomas. Further results from EORTC STBSG TL 01/01. *Genes Chromosomes Cancer*. 52(1):93-8. (IF:3.55)
- Kaduthanam S, Gade S, Meister M, Brase JC, Johannes M, Dienemann H, Warth A, Schnabel PA, Herth FJ, Sultmann H, Muley T, Kuner R. (2013) Serum miR-142-3p is associated with early relapse in operable lung adenocarcinoma patients. *Lung Cancer*. 80(2):223-7. (IF:3.39)
- Kamphues C, Al-Abadi H, Durr A, Al-Abadi N, Schricke D, Bova R, Muller V, Stenzinger A, Klauschen F, Seehofer D, Neuhaus P, Bahra M. (2013) DNA index as a strong prognostic factor in patients with adenocarcinoma of the pancreatic head: results of a 5-year prospective study. *Pancreas*. 42(5):807-12. (IF:2.95)
- Khoramnia R, Auffarth GU, Mogler C, Cordeiro SA, Scheuerle AF. (2013) [Severe bilateral keratomalacia]. *Ophthalmologe*. 110(1):61-4. (IF:0.53)
- Klauss M, Gaida MM, Lemke A, Grunberg K, Simon D, Wentz MN, Delorme S, Kauczor HU, Grenacher L, Stieltjes B. (2013) Fibrosis and pancreatic lesions: counterintuitive behavior of the diffusion imaging-derived structural diffusion coefficient d. *Invest Radiol*. 48(3):129-33. (IF:5.46)
- Klein K, Susal C, Schafer SM, Becker LE, Beimler J, Schwenger V, Zeier M, Schemmer P, Macher-Goeppinger S, Scherer S, Opelz G, Morath C. (2013) Living donor kidney transplantation in patients with donor-specific HLA antibodies enabled by anti-CD20 therapy and peritransplant apheresis. *Atheroscler Suppl*. 14(1):199-202. (IF:4.33)
- Kocak H, Ackermann S, Hero B, Kahlert Y, Oberthuer A, Juraeva D, Roels F, Theissen J, Westermann F, Deubzer H, Ehemann V, Brors B, Odenthal M, Berthold F, Fischer M. (2013) Hox-C9 activates the intrinsic pathway of apoptosis and is associated with spontaneous regression in neuroblastoma. *Cell Death Dis*. 4(e586). (IF:6.04)
- Koelsche C, Wohrer A, Jeibmann A, Schittenhelm J, Schindler G, Preusser M, Lasitschka F, von Deimling A, Capper D. (2013) Mutant BRAF V600E protein in ganglioglioma is predominantly expressed by neuronal tumor cells. *Acta Neuropathol*. 125(6):891-900. (IF:9.73)
- Koffler J, Holzinger D, Sanhuesa GA, Flechtenmacher C, Zaoui K, Lahrmann B, Grabe N, Plinkert PK, Hess J. (2013) Submaxillary gland androgen-regulated protein 3A expression is an unfavorable risk factor for the survival of oropharyngeal squamous cell carcinoma patients after surgery. *Eur Arch Otorhinolaryngol*. 270(4):1493-500. (IF:1.46)
- Koschny R, Brost S, Hinz U, Sykora J, Batke EM, Singer S, Breuhahn K, Stremmel W, Walczak H, Schemmer P, Schirmacher P, Ganten TM. (2013) Cytosolic and nuclear caspase-8 have opposite impact on survival after liver resection for hepatocellular carcinoma. *BMC Cancer*. 13(1):532. (IF:3.33)
- Koschny R, Junghans T, Mischnik A, Karner M, Kreuter M, Roth W, Stremmel W, Merle U. (2013) Development of miliary tuberculosis under infliximab in a patient with spondyloarthritis and suspected Crohn's disease. *Z Gastroenterol*. 51(10):1177-83. (IF:1.41)
- Koschny R, Lehmann-Koch J, Hundemer M, Holland H, Stremmel W, Merle U. (2013) Fulminant Acute Liver and Heart Failure from Hepatosplenic T-Cell Lymphoma. *J Gastroenterol Hepatol Res*. 2(10): 840-844. (IF:)
- Kostareli E, Holzinger D, Bogatyrova O, Hielscher T, Wichmann G, Keck M, Lahrmann B, Grabe N, Flechtenmacher C, Schmidt CR, Seiwert T, Dyckhoff G, Dietz A, Hofler D, Pawlita M, Benner A, Bosch FX, Plinkert P, Plass C, Weichenhan D, Hess J. (2013) HPV-related methylation signature predicts survival in oropharyngeal squamous cell carcinomas. *J Clin Invest*. 123(6):2488-501. (IF:12.81)
- Krawczyk A, Arndt MA, Grosse-Hovest L, Weichert W, Giebel B, Dittmer U, Hengel H, Jager D, Schneweis KE, Eis-Hubinger AM, Roggendorf M, Krauss J. (2013) Overcoming drug-resistant herpes simplex virus (HSV) infection by a humanized antibody. *Proc Natl Acad Sci U S A*. 110(17):6760-5. (IF:9.74)
- Kriegsmann J, Casadonte R, Zweynert F, Kriegsmann M, Otto M, Deininger S. (2013) [MALDI-TOF imaging]. *Z Rheumatol*. 72(7):724-8. (IF:0.45)
- Kristen AV, Ackermann K, Buss S, Lehmann L, Schnabel PA, Haunstetter A, Katus HA, Hardt SE. (2013) Inhibition of apoptosis by the intrinsic but not the extrinsic apoptotic pathway in myocardial ischemia-reperfusion. *Cardiovasc Pathol*. 22(4):280-6. (IF:2.35)
- Kristen AV, Haufe S, Schonland SO, Hegenbart U, Schnabel PA, Rocken C, Hardt S, Lohse P, Ho AD, Haberkorn U, Dengler TJ, Altland K, Katus HA. (2013) Skeletal scintigraphy indicates disease severity of cardiac involvement in patients with senile systemic amyloidosis. *Int J Cardiol*. 164(2):179-84. (IF:5.51)

- Kruse M, Seki Y, Vuguin PM, Du XQ, Fiallo A, Glenn AS, Singer S, Breuhahn K, Katz EB, Charron MJ. (2013) High-fat intake during pregnancy and lactation exacerbates high-fat diet-induced complications in male offspring in mice. *Endocrinology*. 154(10):3565-76. (IF:4.72)
- Kuru TH, Roethke MC, Nyarangi-Dix J, Okouoyo S, Stockklauser C, Schenk JP, Debus J, Roth W, Teber D, Pahernik S, Schlemmer HP, Hohenfellner M, Hadaschik BA. (2013) Pediatric case report on magnetic resonance imaging/transrectal ultrasound-fusion biopsy of rhabdomyosarcoma of the bladder/prostate: a new tool to reduce therapy-associated morbidity? *Urology*. 81(2):417-20. (IF:2.42)
- Kuru TH, Roethke MC, Rieker P, Roth W, Fenchel M, Hohenfellner M, Schlemmer HP, Hadaschik BA. (2013) Histology core-specific evaluation of the European Society of Urogenital Radiology (ESUR) standardised scoring system of multiparametric magnetic resonance imaging (mpMRI) of the prostate. *BJU Int*. 112(8):1080-7. (IF:3.05)
- Kuru TH, Roethke MC, Seidenader J, Simpfendorfer T, Boxler S, Alammari K, Rieker P, Popenciu VI, Roth W, Pahernik S, Schlemmer HP, Hohenfellner M, Hadaschik BA. (2013) Critical evaluation of magnetic resonance imaging targeted, transrectal ultrasound guided transperineal fusion biopsy for detection of prostate cancer. *J Urol*. 190(4):1380-6. (IF:3.70)
- Kuru TH, Wadhwa K, Chang RT, Echeverria LM, Roethke M, Polson A, Rottenberg G, Koo B, Lawrence EM, Seidenader J, Gnanaprasam V, Axell R, Roth W, Warren A, Doble A, Muir G, Popert R, Schlemmer HP, Hadaschik BA, Kastner C. (2013) Definitions of terms, processes and a minimum dataset for transperineal prostate biopsies: a standardization approach of the Ginsburg Study Group for Enhanced Prostate Diagnostics. *BJU Int*. 112(5):568-77. (IF:3.05)
- V Laffert M, Warth A, Penzel R, Schirmacher P, Jonigk D, Kreipe H, Schildhaus HU, Merkelbach-Bruse S, Buttner R, Reu S, Kerler R, Jung A, Kirchner T, Wolfel C, Petersen I, Rodriguez R, Jochum W, Bartsch H, Fisseler-Eckhoff A, Berg E, Lenze D, Dietel M, Hummel M. (2013) Anaplastic lymphoma kinase (ALK) gene rearrangement in non-small cell lung cancer (NSCLC): results of a multi-centre ALK-testing. *Lung Cancer*. 81(2):200-6. (IF:3.39)
- Lahrman B, Valous NA, Eisenmann U, Wentzensen N, Grabe N. (2013) Semantic focusing allows fully automated single-layer slide scanning of cervical cytology slides. *PLoS One*. 8(4):e61441. (IF:3.73)
- Lederlin M, Puderbach M, Muley T, Schnabel PA, Stenzinger A, Kauczor HU, Heussel CP, Herth FJ, Hoffmann H, Dienemann H, Weichert W, Warth A. (2013) Correlation of radio- and histomorphological pattern of pulmonary adenocarcinoma. *Eur Respir J*. 41(4):943-51. (IF:6.36)
- Linke GR, Carstensen B, Kahler G, Zerz A, Shevchenko M, Warschkow R, Lasitschka F, Kennigott HG, Senft J, Muller-Stich BP. (2013) Endoluminal colon occlusion device for transanal and transrectal surgery--a porcine feasibility study. *Langenbecks Arch Surg*. 398(4):595-601. (IF:1.89)
- Listl S, Jansen L, Stenzinger A, Freier K, Emrich K, Hollecsek B, Katalinic A, Gondos A, Brenner H, Group GCSW. (2013) Survival of patients with oral cavity cancer in Germany. *PLoS One*. 8(1):e53415. (IF:3.73)
- Liu M, Roth A, Yu M, Morris R, Bersani F, Rivera MN, Lu J, Shioda T, Vasudevan S, Ramaswamy S, Maheswaran S, Diederichs S*, Haber DA*. (2013) The IGF2 intronic miR-483 selectively enhances transcription from IGF2 fetal promoters and enhances tumorigenesis. *Genes & Development*. 27(23):2543-8. (IF:12.44) *These two authors contributed equally to this work
- Longerich T, Sommer CM, Schemmer P, Weiss KH. (2013) [33-year-old woman with upper abdominal pain]. *Dtsch Med Wochenschr*. 138(20):1059-60. (IF:0.65)
- Luo C, Tetteh PW, Merz PR, Dickes E, Abukiwan A, Hotz-Wagenblatt A, Holland-Cunz S, Sinnberg T, Schitteck B, Schadendorf D, Diederichs S, Eichmuller SB. (2013) miR-137 inhibits the invasion of melanoma cells through downregulation of multiple oncogenic target genes. *J Invest Dermatol*. 133(3):768-75. (IF:6.19)
- Macher-Goeppinger S, Bermejo JL, Schirmacher P, Pahernik S, Hohenfellner M, Roth W. (2013) Senescence-associated protein p400 is a prognostic marker in renal cell carcinoma. *Oncol Rep*. 30(5):2245-53. (IF:2.30)
- Markowski DN, Nimzyk R, Belge G, Loning T, Helmke BM, Bullerdiek J. (2013) Molecular topography of the MED12-deleted region in smooth muscle tumors: a possible link between non-B DNA structures and hypermutability. *Mol Cytogenet*. 6(1):23. (IF:2.36)
- Marme F, Aigner J, Lorenzo Bermejo J, Sinn P, Sohn C, Jager D, Schneeweiss A. (2013) Neoadjuvant epirubicin, gemcitabine and docetaxel for primary breast cancer: long-term survival data and major prognostic factors based on two consecutive neoadjuvant phase I/II trials. *Int J Cancer*. 133(4):1006-15. (IF:6.20)
- Michel J, Schonhaar K, Schledzewski K, Gkaniatsou C, Sticht C, Kellert B, Lasitschka F, Geraud C, Goerdt S, Schmieder A. (2013) Identification of the novel differentiation marker MS4A8B and its murine homolog MS4A8A in colonic epithelial cells lost during neoplastic transformation in human colon. *Cell Death Dis*. 4:e469. (IF:6.04)
- Michels S, Trautmann M, Sievers E, Kindler D, Huss S, Renner M, Friedrichs N, Kirfel J, Steiner S, Endl E, Wurst P, Heukamp L, Penzel R, Larsson O, Kawai A, Tanaka S, Sonobe H, Schirmacher P, Mechttersheimer G, Wardelmann E, Buttner R, Hartmann W. (2013) SRC signaling is crucial in the growth of synovial sarcoma cells. *Cancer Res*. 73(8):2518-28. (IF:8.65)
- Mittelbronn M, Warth A, Meyermann R, Goodman S, Weller M. (2013) Expression of integrins alphavbeta3 and alphavbeta5 and their ligands in primary and secondary central nervous system neoplasms. *Histol Histopathol*. 28(6):749-58. (IF:2.28)
- Moehler TM, Seckinger A, Hose D, Andrusis M, Moreaux J, Hielscher T, Willhauck-Fleckenstein M, Merling A, Bertsch U, Jauch A, Goldschmidt H, Klein B, Schwartz-Albiez R. (2013) The glycome of normal and malignant plasma cells. *PLoS One*. 8(12):e83719. (IF:3.73)
- Morath C, Wei C, Macher-Goeppinger S, Schwenger V, Zeier M, Reiser J. (2013) Management of severe recurrent focal segmental glomerulosclerosis through circulating soluble urokinase receptor modification. *Am J Ther*. 20(2):226-9. (IF:1.29)
- Muller BM, Jana L, Kasajima A, Lehmann A, Prinzler J, Budczies J, Winzer KJ, Dietel M, Weichert W, Denkert C. (2013) Differential expression of histone deacetylases HDAC1, 2 and 3 in human breast cancer--overexpression of HDAC2 and HDAC3 is associated with clinicopathological indicators of disease progression. *BMC Cancer*. 13(215). (IF:3.33)

Muller H, Renner M, Bergmann F, Mechtersheimer G, Weiss C, Poeschl J, Helmke BM, Mollenhauer J. (2013) Cardiac amyloidosis induces up-regulation of Deleted in Malignant Brain Tumors 1 (DMBT1). *Cardiovasc Pathol.* 22(3):195-202. (IF:2.35)

Nuhn P, Mitkus T, Ceyhan GO, Kunzli BM, Bergmann F, Fischer L, Giese N, Friess H, Berberat PO. (2013) Heme oxygenase 1-generated carbon monoxide and biliverdin attenuate the course of experimental necrotizing pancreatitis. *Pancreas.* 42(2):265-71. (IF:2.95)

Oehme I, Linke JP, Bock BC, Milde T, Lodrini M, Hartenstein B, Wiegand I, Eckert C, Roth W, Kool M, Kaden S, Grone HJ, Schulte JH, Lindner S, Hamacher-Brady A, Brady NR, Deubzer HE, Witt O. (2013) Histone deacetylase 10 promotes autophagy-mediated cell survival. *Proc Natl Acad Sci U S A.* 110(28):E2592-601. (IF:9.74)

Ott K, Blank S, Becker K, Langer R, Weichert W, Roth W, Sasic L, Stange A, Jager D, Buchler M, Siewert JR, Lordick F. (2013) Factors predicting prognosis and recurrence in patients with esophago-gastric adenocarcinoma and histopathological response with less than 10 % residual tumor. *Langenbecks Arch Surg.* 398(2):239-49. (IF:1.89)

Palm T, Hemmer K, Winter J, Fricke IB, Tarbashevich K, Sadeghi Shakib F, Rudolph IM, Hillje AL, De Luca P, Bahnassawy L, Madel R, Viel T, De Siervi A, Jacobs AH, Diederichs S, Schwamborn JC. (2013) A systemic transcriptome analysis reveals the regulation of neural stem cell maintenance by an E2F1-miRNA feedback loop. *Nucleic Acids Res.* 41(6):3699-712. (IF:8.28)

Pusterla T, Nemeth J, Stein I, Wiechert L, Knigin D, Marhenke S, Longerich T, Kumar V, Arnold B, Vogel A, Bierhaus A, Pikarsky E, Hess J, Angel P. (2013) Receptor for advanced glycation endproducts (RAGE) is a key regulator of oval cell activation and inflammation-associated liver carcinogenesis in mice. *Hepatology.* 58(1):363-73. (IF:12.00)

Rabien A, Stephan C, Kilic E, Weichert W, Kristiansen G, Miller K, Jung K, Erbersdobler A. (2013) Renal cell neoplasias: reversion-inducing cysteine-rich protein with Kazal motifs discriminates tumor subtypes, while extracellular matrix metalloproteinase inducer indicates prognosis. *J Transl Med.* 11(1):258. (IF:3.46)

Rehm J, Renker EK, Mechtersheimer G, Weber MA. (2013) [Osteolytic lesion of the ilium]. *Radiologe.* 53(10):908-12. (IF:0.47)

Reinmuth N, Stumpf A, Stumpf P, Muley T, Kobinger S, Hoffmann H, Herth FJ, Schnabel PA, Warth A, Bischoff H, Thomas M. (2013) Characteristics and outcome of patients with second primary lung cancer. *Eur Respir J.* 42(6):1668-76. (IF:6.36)

Renner M, Wolf T, Meyer H, Hartmann W, Penzel R, Ulrich A, Lehner B, Hovestadt V, Czwan E, Egerer G, Schmitt T, Alldinger I, Renker EK, Ehemann V, Eils R, Wardelmann E, Buttner R, Lichter P, Brors B, Schirmacher P, Mechtersheimer G. (2013) Integrative DNA methylation and gene expression analysis in high-grade soft tissue sarcomas. *Genome Biol.* 14(12):R137. (IF:10.29)

Renner M, Goepfert B, Siraj MA, Radu A, Penzel R, Wardelmann E, Lehner B, Ulrich A, Stenzinger A, Warth A, Vogel MN, Weichert W, Schirmacher P, Mechtersheimer G, Ghinea N. (2013) Follicle-stimulating hormone receptor expression in soft tissue sarcomas. *Histopathology.* 63(1):29-35. (IF:2.86)

Reuschenbach M, Kansy K, Garbe K, Vinokurova S, Flechtenmacher C, Toth C, Prigge ES, Thiele OC, Reinert S, Hoffmann J, von Knebel Doeberitz M, Freier K. (2013) Lack of evidence of human papillomavirus-induced squamous cell carcinomas of the oral cavity in southern Germany. *Oral Oncol.* 49(9):937-42. (IF:2.70)

Reuss DE, Mucha J, Hagenlocher C, Ehemann V, Kluwe L, Mautner V, von Deimling A. (2013) Sensitivity of malignant peripheral nerve sheath tumor cells to TRAIL is augmented by loss of NF1 through modulation of MYC/MAD and is potentiated by curcumin through induction of ROS. *PLoS One.* 8(2):e57152. (IF:3.73)

Reuss DE, Mucha J, Holtkamp N, Muller U, Berlien HP, Mautner VF, Ehemann V, Platten M, Scheffzek K, von Deimling A. (2013) Functional MHC class II is upregulated in neurofibromin-deficient Schwann cells. *J Invest Dermatol.* 133(5):1372-5. (IF:6.19)

Riediger C, Wingender G, Knolle P, Aulmann S, Stremmel W, Encke J. (2013) Fms-like tyrosine kinase 3 receptor ligand (Flt3L)-based vaccination administered with an adenoviral vector prevents tumor growth of colorectal cancer in a BALB/c mouse model. *J Cancer Res Clin Oncol.* 139(12):2097-110. (IF:2.91)

Rocken C, Hofler H, Hummel M, Meyermann R, Zietz C, Schirmacher P. (2013) [Participation and support of clinical studies and other scientific investigations. Statement of the German Society for Pathology]. *Pathologe.* 34(5):466-75. (IF:0.62)

Rudolph A, Toth C, Hoffmeister M, Roth W, Herpel E, Schirmacher P, Brenner H, Chang-Claude J. (2013) Colorectal cancer risk associated with hormone use varies by expression of estrogen receptor-beta. *Cancer Res.* 73(11):3306-15. (IF:8.65)

Rupp C, Mummelthai A, Sauer P, Weiss KH, Schirmacher P, Stiehl A, Stremmel W, Gotthardt DN. (2013) Non-IBD immunological diseases are a risk factor for reduced survival in PSC. *Liver Int.* 33(1):86-93. (IF:3.87)

Safferling K, Sutterlin T, Westphal K, Ernst C, Breuhahn K, James M, Jager D, Halama N, Grabe N. (2013) Wound healing revised: A novel reepithelialization mechanism revealed by in vitro and in silico models. *J Cell Biol.* 203(4):691-709. (IF:10.82)

Safi S, Op den Winkel J, Schnabel PA, Hegenbart U, Neben K, Schneider T, Dienemann H. (2013) Extended resection of a plasmocytoma of bone and an amyloidoma of the chest wall. *Ann Thorac Surg.* 96(6):2223-5. (IF:3.45)

Salnikova O, Breuhahn K, Hartmann N, Schmidt J, Ryschich E. (2013) Endothelial plasticity governs the site-specific leukocyte recruitment in hepatocellular cancer. *Int J Cancer.* 133(10):2372-82. (IF:6.20)

Sander KE, Schnabel PA, Heussel CP, Pfannschmidt J, Herth FJ, Kreuter M. (2013) [Familial pulmonary cysts and papular skin lesions in a 37-year-old woman]. *Pneumologie.* 67(8):471-5. (IF)

Sander KE, Sommer CM, Andrusis M, Reimer P, Kreuter M, Herth FJ, Heussel CP. (2013) [Hemoptysis in a patient with severe COPD and silicosis]. *Med Klin Intensivmed Notfmed.* 108(7):592-4. (IF)

Schafer H, Struck B, Feldmann EM, Bergmann F, Grage-Griebenow E, Geismann C, Ehlers S, Altevogt P, Sebens S. (2013) TGF-beta1-dependent L1CAM expression has an essential role in macrophage-induced apoptosis resistance and cell migration of human intestinal epithelial cells. *Oncogene.* 32(2):180-9. (IF:7.36)