

Safi, S., Beckhove P, Warth A, Benner A, Roeder F, Rieken S, Debus J, Dienemann H, Hoffmann H, Huber PE (2015). A randomized phase II study of radiation induced immune boost in operable non-small cell lung cancer (RadImmune trial). *BMC Cancer* 15: 988.

Thieke C, Nicolay NH, Sterzing F, Hoffmann H, Roeder F, Safi S, Debus J, Huber PE (2015). Long-term results in malignant pleural mesothelioma treated with neoadjuvant chemotherapy, extrapleural pneumonectomy and intensity-modulated radiotherapy. *Radiat Oncol* 10(1): 267.

Yamauchi Y, Muley T, Safi S, Rieken S, Bischoff H, Kappes J, Warth A, Herth FJ, Dienemann H, Hoffmann H (2015). The dynamic pattern of recurrence in curatively resected non-small cell lung cancer patients: Experiences at a single institution, *Lung Cancer* 90(2): 224-9.

op den Winkel J, Safi S, Dienemann H (2015). Lungenmetastasen und Ansatzpunkte der chirurgischen Therapie. *Der Onkologe* Feb; 21(2): 169-178.

Schneider T, Sevko A, Heussel CP, Umansky L, Beckhove P, Dienemann H, Safi S, Utikal J, Hoffmann H, Umansky V (2015). Serum inflammatory factors and circulating immunosuppressive cells are predictive markers for efficacy of radiofrequency ablation in non-small cell lung cancer. *Clin Exp Immunol*. 2015 Jun;180(3):467-74.

Safi S, op den Winkel J, Rauch G, Kunz J, Schneider T, Heussel CP, Huber PE, Dienemann H, Hoffmann H (2014) Outcomes after sublobar resection, radiofrequency ablation or radiotherapy for stage I non-small cell lung cancer: a retrospective analysis. *Respiration*. 89(6):550-7.

Safi S, Benner A, Walloschek J, Renner M, op den Winkel J, Muley T, Storz K, Dienemann H, Hoffmann H, Schneider T. (2015) Development and validation of a risk score for predicting death after pneumonectomy. *PLoS One* Apr 9;10(4).

Koenigkam-Santos M, Optazait E, Sommer G, Safi S, Heussel CP, Kauczor HU, Puderbach M. (2015). Contrast-enhanced magnetic resonance imaging of pulmonary lesions: description of a technique aiming clinical practice. *Eur J Radiol* Jan;84(1):185-92

Outcome and prognostic factors of multimodal therapy for pulmonary large-cell neuroendocrine carcinomas.

Rieber J, Schmitt J, Warth A, Muley T, Kappes J, Eichhorn F, Hoffmann H, Heussel CP, Welzel T, Debus J, Thomas M, Steins M, Rieken S. *Eur J Med Res*. 2015 Aug 14;20:64. doi: 10.1186/s40001-015-0158-9.

Resection of thoracic malignancies infiltrating cardiac structures with use of cardiopulmonary bypass.

Arif R, Eichhorn F, Kallenbach K, Seppelt P, Ruhparwar A, Dienemann H, Karck M. *J Cardiothorac Surg*. 2015 Jun 25;10:87. doi: 10.1186/s13019-015-0296-8.

Predictors of survival after operation among patients with large cell neuroendocrine carcinoma of the lung.

Eichhorn F, Dienemann H, Muley T, Warth A, Hoffmann H.

Ann Thorac Surg. 2015 Mar;99(3):983-9. doi: 10.1016/j.athoracsur.2014.10.015.  
Epub 2015

Autologous Peripheral Blood Mononuclear Cells as Treatment in Refractory Acute Respiratory Distress Syndrome.

Jungebluth P, Holzgraefe B, Lim ML, Duru AD, Lundin V, Heldring N, Wiklander OP, Nordin JZ, Chrobok M, Roderburg C, Sjöqvist S, Anderstam B, Beltrán Rodríguez A, Haag JC, Gustafsson Y, Roddewig KG, Jones P, Wood MJ, Luedde T, Teixeira AI, Hermanson O, Winqvist O, Kalzén H, El Andaloussi S, Alici E, Macchiarini P. *Respiration*. 2015;90(6):481-92. doi: 10.1159/000441799. Epub 2015 Nov 28.

The use of mathematical modelling for improving the tissue engineering of organs and stem cell therapy.

Lemon G, Sjöqvist S, Lim ML, Feliu N, Firsova AB, Amin R, Gustafsson Y, Stuewer A, Gubareva E, Haag J, Jungebluth P, Macchiarini P. *Curr Stem Cell Res Ther*. 2015 Oct 1. [Epub ahead of print]

a

Different Procoagulant Activity of Therapeutic Mesenchymal Stromal Cells Derived from Bone Marrow and Placental Decidua.

Moll G, Ignatowicz L, Catar R, Luecht C, Sadeghi B, Hamad O, Jungebluth P, Dragun D, Schmidtchen A, Ringdén O. *Stem Cells Dev*. 2015 Oct 1;24(19):2269-79. doi: 10.1089/scd.2015.0120. Epub 2015 Aug 24.

Extracellular vesicle in vivo biodistribution is determined by cell source, route of administration and targeting.

Wiklander OP, Nordin JZ, O'Loughlin A, Gustafsson Y, Corso G, Mäger I, Vader P, Lee Y, Sork H, Seow Y, Heldring N, Alvarez-Erviti L, Smith CI, Le Blanc K, Macchiarini P, Jungebluth P, Wood MJ, Andaloussi SE. *J Extracell Vesicles*. 2015 Apr 20;4:26316. doi: 10.3402/jev.v4.26316. eCollection 2015.

Eberhardt WE, De Ruyscher D, Weder W, Le Péchoux C, De Leyn P, Hoffmann H, Westeel V, Stahel R, Filip E, Peters S, and Panel Members. 2nd ESMO Consensus Conference in aLung Cancer: locally advanced stage III non-small-cell lung cancer. *Ann Oncol* 26: 1573-1588 (2015).

Eichhorn F, Dienemann H, Muley T, Warth A, and Hoffmann H. Predictors of survival after operation among patients with large cell neuroendocrine carcinoma of the lung. *Ann Thorac Surg* 99(3):983-9 (2015).

Schneider T, Sevko A, Heussel CP, Umansky L, Beckhove P, Dienemann H, Safi S, Utikal J, Hoffmann H, and Umansky V. Serum inflammatory factors and circulating immunosuppressive cells are predictive markers for efficacy of radiofrequency ablation in non-small cell lung cancer. *Clin Exp Immunol* 180: 467-474 (2015)

Kauczor H-U, Stackelberg OV, Hoffmann H, and Heußel CP. Lungenkrebsscreening: Wann und für wen? *Dtsch Arztebl International* [[Internet]]. 2015;112(40):[8]-. from: <http://www.aerzteblatt.de/int/article.asp?id=172341>

Klopp M, Hoffmann H, and Dienemann H. So wird's gemacht: Die Thoraxdrainage. Dtsch Med Wochenschr. Germany 140(5):339-42 (2015).

Rieber J, Schmitt J, Warth A, Muley T, Kappes J, Eichhorn F, Hoffmann H, Heussel CP, Welzel T, Debus J, Thomas M, Steins M, and Rieken S. Outcome and prognostic factors of multimodal therapy for pulmonary large-cell neuroendocrine carcinomas. Eur J Med Res 20:64 (2015).

Hoffmann H. Ergebnisqualität in der onkologischen Chirurgie. Forum. Springer 30(6):512-516 (2015).

Julie George, Jing Shan Lim, Se Jin Jang, Yupeng Cun, Luka Ozretić, Gu Kong, Frauke Leenders, Xin Lu, Lynnette Fernández-Cuesta, Graziella Bosco, Christian Müller, Ilona Dahmen, Nadine S. Jahchan, Kwon-Sik Park, Dian Yang, Anthony N. Karnezis, Dedeepya Vaka, Angela Torres, Maia Segura Wang, Jan O. Korbel, Roopika Menon, Sung-Min Chun, Deokhoon Kim, Matt Wilkerson, Neil Hayes, David Engelmann, Brigitte Pützer, Marc Bos, Sebastian Michels, Ignacija Vlastic, Danila Seidel, Berit Pinther, Philipp Schaub, Christian Becker, Janine Altmüller, Jun Yokota, Takashi Kohno, Reika Iwakawa, Koji Tsuta, Masayuki Noguchi, Thomas Muley, Hans Hoffmann, Philipp A. Schnabel, Iver Petersen, Yuan Chen, Alex Soltermann, Verena Tischler, Chang-min Choi, Yong-Hee Kim, Pierre P. Massion, Yong Zou, Dragana Jovanovic, Milica Kontic, Gavin M. Wright, Prudence A. Russell, Benjamin Solomon, Ina Koch, Michael Lindner, Lucia A. Muscarella, Annamaria la Torre, John K. Field, Marko Jakopovic, Jelena Knezevic, Esmeralda Castaños-Vélez, Luca Roz, Ugo Pastorino, Odd-Terje Brustugun, Marius Lund-Iversen, Erik Thunnissen, Jens Köhler, Martin Schuler, Johan Botling, Martin Sandelin, Montserrat Sanchez-Cespedes, Helga B. Salvesen, Viktor Achter, Ulrich Lang, Magdalena Bogus, Peter M. Schneider, Thomas Zander, Sascha Ansén, Michael Hallek, Jürgen Wolf, Martin Vingron, Yasushi Yatabe, William D. Travis, Peter Nürnberg, Christian Reinhardt, Sven Perner, Lukas Heukamp, Reinhard Büttner, Stefan A. Haas, Elisabeth Brambilla, Martin Peifer, Julien Sage & Roman K. Thomas Comprehensive genomic profiles of small cell lung cancer. Nature 524: 47-53 (2015).

Grosch H, Hoffmann H, Weis C-, and Thomas M. Thymustumoren. Onkologe 21(9): 859-874 (2015).

Kowalski C, Ferencz J, Ukena D, Hoffmann H, and Wesselmann S. Versorgungsqualität in zertifizierten Lungenkrebszentren. Pneumologie 69(6):329-334 (2015).

Herth FJ, Eberhardt R, Sterman D, Silvestri GA, Hoffmann H, and Shah PL. Bronchoscopic transparenchymal nodule access (BTPNA): first in human trial of a novel procedure for sampling solitary pulmonary nodules. Thorax 70(4):326-32 (2015).

Eichhorn M, Hoffmann H, and Dienemann H. Pulmonale Echinokokkose: chirurgische Aspekte. Zentralblatt für Chirurgie 140(S 01):S29-S35 (2015).

Kreuter M, Kirsten D, Bahmer T, Penzel R, Claussen M, Ehlers-Tenenbaum S, Muley T, Palmowski K, Eichinger M, Leider M, Herth FJ, Rabe KF, Bittmann I, Warth A.

Screening for *Helicobacter pylori* in Idiopathic Pulmonary Fibrosis Lung Biopsies. *Respiration*. 2015 Dec 9. [Epub ahead of print]

Schneider MA, Kahn NC, Thomas M, Herth JF, Muley T, Heussel CP, Meister\* M and Dienemann\* H, (2015). The pregnancy associated protein glycodeilin as a follow-up biomarker in a male Non-small cell lung Cancer patient, *Cancer Treatment Communications*, <http://dx.doi.org/10.1016/j.ctrc.2015.09.005> (\*equal contribution).

Rosenberger A, Friedrichs S, Amos CI, Brennan P, Fehringer G, Heinrich J, Hung RJ, Muley T, Müller-Nurasyid M, Risch A, Bickeböller H. META-GSA: Combining Findings from Gene-Set Analyses across Several Genome-Wide Association Studies. *PLoS One*. 2015 Oct 26;10(10):e0140179. doi: 10.1371/journal.pone.0140179. eCollection 2015.

Firnkorn D, Ganzinger M, Muley T, Thomas M, Knaup P. A Generic Data Harmonization Process for Cross-linked Research and Network Interaction. Construction and Application for the Lung Cancer Phenotype Database of the German Center for Lung Research. *Methods Inf Med*. 2015 Sep 17;54(5). [Epub ahead of print]

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 far upstream 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 Jul 14. doi: 10.1002/path.4588. [Epub ahead of print]

Kahn N, Riedlinger J, Roeßler M, Rabe C, Lindner M, Koch I, Schott-Hildebrand S, Herth FJ, Schneider A M, Meister M, Muley TR. Blood-sampling collection prior to surgery may have a significant influence upon biomarker concentrations measured. *Clinical Proteomics*. 2015, 12:19; DOI: 10.1186/s12014-015-9093-6, URL: <http://www.clinicalproteomicsjournal.com/content/12/1/19>

Warth A, Muley T, Meister M, Weichert W. Preanalytics in lung cancer. *Recent Results Cancer Res*. 2015;199:71-84. doi: 10.1007/978-3-319-13957-9\_8

Poirier JG, Brennan P, McKay JD, Spitz MR, Bickeböller H, Risch A, Liu G, Le Marchand L, Tworoger S, McLaughlin J, Rosenberger A, Heinrich J, Brüske I, Muley T, Henderson BE, Wilkens LR, Zong X, Li Y, Hao K, Timens W, Bossé Y, Sin DD, Obeidat M, Amos CI, Hung RJ. Informed genome-wide association analysis with family history as a secondary phenotype identifies novel Loci of lung cancer. *Genet Epidemiol*. 2015 Mar;39(3):197-206. doi: 10.1002/gepi.21882. Epub 2015 Jan 19

Marien E, Meister M, Muley T, Fieufs S, Bordel S, Derua R, Spraggins J, Van de Plas R, Dehairs J, Wouters J, Bagadi M, Dienemann H, Thomas M, Schnabel PA, Caprioli RM, Waelkens E, Swinnen JV. Non-small cell lung cancer is characterized by dramatic changes in phospholipid profiles. *Int J Cancer*. 2015, 137(7):1539-48 doi: 10.1002/ijc.29517. [Epub ahead of print]

Fritzsching B, Zhou-Suckow Z, Trojanek JB, Schubert SC, Schatterny J, Hirtz S, Agrawal R, Muley T, Kahn N, Sticht C, Gunkel N, Welte T, Randell SH, Länger F,

Schnabel P, Herth FJ, Mall MA. Hypoxic Epithelial Necrosis Triggers Neutrophilic Inflammation via IL-1 Receptor Signaling in Cystic Fibrosis Lung Disease. *Am J Respir Crit Care Med.* 2015 Apr 15;191(8):902-13

Evgeny A. Moskalev, Pouria Jandaghi, Mahdi Fallah, Mehdi Manoochehri, Sandeep K. Botla, Oleg V. Kolychev, Evgeny A. Nikitin, Vladymyr V. Bubnov, von Knebel Doeberitz M, Oliver Strobel, Thilo Hackert, Markus W. Buechler, Nathalia Giese, Andrea Bauer, Thomas Muley, Arne Warth, Peter Schirmacher, Florian Haller, Jörg D. Hoheisel, Yasser Riazalhosseini: GHSR DNA hypermethylation is a common epigenetic alteration of high diagnostic value in a broad spectrum of cancers. *Oncotarget.* 2015 , 28;6(6):4418-27

Safi S, Beckhove P, Warth A, Benner A, Roeder F, Rieken S, Debus J, Dienemann H, Hoffmann H, Huber PE.

A randomized phase II study of radiation induced immune boost in operable non-small cell lung cancer (RadImmune trial).

*BMC Cancer.* 2015 Dec 19;15:988. doi: 10.1186/s12885-015-2006-2

Kriegsmann M, Muley T, Harms A, Tavernar L, Goldmann T, Dienemann H, Herpel E, Warth A.

Differential diagnostic value of CD5 and CD117 expression in thoracic tumors: a large scale study of 1465 non-small cell lung cancer cases.

*Diagn Pathol.* 2015 Dec 8;10:210. doi: 10.1186/s13000-015-0441-7.

Warth A, Körner S, Penzel R, Muley T, Dienemann H, Schirmacher P, von Knebel-Doeberitz M, Weichert W, Kloor M.

Microsatellite instability in pulmonary adenocarcinomas: a comprehensive study of 480 cases.

*Virchows Arch.* 2016 Mar;468(3):313-9. doi: 10.1007/s00428-015-1892-7. Epub 2015 Dec 4.

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.* 2016 Mar;47(3):938-46. doi: 10.1183/13993003.00937-2015. Epub 2015 Nov 5.

Harms A, Herpel E, Pfarr N, Penzel R, Heussel CP, Herth FJ, Dienemann H, Weichert W, Warth A.

NUT carcinoma of the thorax: Case report and review of the literature.

*Lung Cancer.* 2015 Dec;90(3):484-91. doi: 10.1016/j.lungcan.2015.10.001. Epub 2015 Oct 9. Review.

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.* 2016 Jan;55(1):30-44. doi: 10.1002/gcc.22297. Epub 2015 Sep 23.

Brenner DR, Amos CI, Brhane Y, Timofeeva MN, Caporaso N, Wang Y, Christiani DC, Bickeböllner H, Yang P, Albanes D, Stevens VL, Gapstur S, McKay J, Boffetta P, Zaridze D, Szeszenia-Dabrowska N, Lissowska J, Rudnai P, Fabianova E, Mates D, Bencko V, Foretova L, Janout V, Krokán HE, Skorpen F, Gabrielsen ME, Vatten L, Njølstad I, Chen C, Goodman G, Lathrop M, Vooder T, Vălk K, Nelis M, Metspalu A, Broderick P, Eisen T, Wu X, Zhang D, Chen W, Spitz MR, Wei Y, Su L, Xie D, She J, Matsuo K, Matsuda F, Ito H, Risch A, Heinrich J, Rosenberger A, Muley T, Dienemann H, Field JK, Raji O, Chen Y, Gosney J, Liloglou T, Davies MP, Marcus M, McLaughlin J, Orlov I, Han Y, Li Y, Zong X, Johansson M; EPIC Investigators, Liu G, Tworoger SS, Le Marchand L, Henderson BE, Wilkens LR, Dai J, Shen H, Houlston RS, Landi MT, Brennan P, Hung RJ.

Identification of lung cancer histology-specific variants applying Bayesian framework variant prioritization approaches within the TRICL and ILCCO consortia.

Carcinogenesis. 2015 Nov;36(11):1314-26. doi: 10.1093/carcin/bgv128. Epub 2015 Sep 10.

Schneider MA, Granzow M, Warth A, Schnabel PA, Thomas M, Herth FJ, Dienemann H, Muley T, Meister M.

Glycodelin: A New Biomarker with Immunomodulatory Functions in Non-Small Cell Lung Cancer.

Clin Cancer Res. 2015 Aug 1;21(15):3529-40. doi: 10.1158/1078-0432.CCR-14-2464. Epub 2015 Apr 21

Hauswald H, Rieken S, Dienemann HC, Thomas M, Kieser M, Debus J, Herfarth K. Ion therapy within the trimodal management of superior sulcus tumors: the INKA trial. BMC Cancer. 2015 Mar 28;15:192. doi: 10.1186/s12885-015-1163-7.

Chen LS, Hung RJ, Baker T, Horton A, Culverhouse R, Saccone N, Cheng I, Deng B, Han Y, Hansen HM, Horsman J, Kim C, Lutz S, Rosenberger A, Aben KK, Andrew AS, Breslau N, Chang SC, Dieffenbach AK, Dienemann H, Frederiksen B, Han J, Hatsukami DK, Johnson EO, Pande M, Wrensch MR, McLaughlin J, Skaug V, van der Heijden HF, Wampfler J, Wenzlaff A, Woll P, Zienolddiny S, Bickeböllner H, Brenner H, Duell EJ, Haugen A, Heinrich J, Hokanson JE, Hunter DJ, Kiemenev LA, Lazarus P, Le Marchand L, Liu G, Mayordomo J, Risch A, Schwartz AG, Teare D, Wu X, Wiencke JK, Yang P, Zhang ZF, Spitz MR, Kraft P, Amos CI, Bierut LJ.

CHRNA5 risk variant predicts delayed smoking cessation and earlier lung cancer diagnosis--a meta-analysis.

J Natl Cancer Inst. 2015 Apr 14;107(5). pii: djv100. doi: 10.1093/jnci/djv100. Print 2015 May. Review

Marien E, Meister M, Muley T, Fieuws S, Bordel S, Derua R, Spraggins J, Van de Plas R, Dehairs J, Wouters J, Bagadi M, Dienemann H, Thomas M, Schnabel PA, Caprioli RM, Waelkens E, Swinnen JV.

Non-small cell lung cancer is characterized by dramatic changes in phospholipid profiles.

Int J Cancer. 2015 Oct 1;137(7):1539-48. doi: 10.1002/ijc.29517. Epub 2015 Apr 7.

Becker N, Motsch E, Gross ML, Eigentopf A, Heussel CP, Dienemann H, Schnabel PA, Eichinger M, Optazait DE, Puderbach M, Wielpütz M, Kauczor HU, Tremper J, Delorme S.

Randomized Study on Early Detection of Lung Cancer with MSCT in Germany: Results of the First 3 Years of Follow-up After Randomization.  
J Thorac Oncol. 2015 Jun;10(6):890-6. doi: 10.1097/JTO.0000000000000530.

Klopp M, Hoffmann H, Dienemann H.  
[How to do - the chest tube drainage].  
Dtsch Med Wochenschr. 2015 Mar;140(5):339-42. doi: 10.1055/s-0041-100725.  
Epub 2015 Mar 3. Review. German.

Warth A, Muley T, Kossakowski CA, Goeppert 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. doi: 10.1097/PAS.0000000000000409.

Dienemann H.  
Questionable statement.  
Dtsch Arztebl Int. 2015 Jan 30;112(5):70. doi: 10.3238/arztebl.2015.0070a. No abstract available.

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. doi: 10.1097/JTO.0000000000000490.

Flehsig P, Kunz J, Heussel CP, Bozorgmehr F, Schnabel P, Dienemann H, Kauczor HU, Sedlaczek O.  
Invasive lung cancer staging: influence of CT-guided core needle biopsy on onset of pleural carcinomatosis.  
Clin Imaging. 2015 Jan-Feb;39(1):56-61. doi: 10.1016/j.clinimag.2014.10.005. Epub 2014 Oct 16.