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Torsten Goldmann, Prof. Dr. rer. nat. (Dipl. Biol.)

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Research Experience

- Aug 2011 – present* **PI**
German Center for Lung Research, Airway Research Center North (ARCN)
,
- Sep 2005 – present* **Lecturer**
Universitätsklinikum Schleswig - Holstein, Medizinische Klinik III -
Pneumologie / Infektiologie (Lübeck)
Lübeck, Germany
- Apr 1997 – present* **Project Manager**
Forschungszentrum Borstel,
Borstel, Germany
- Jun 1995 – Mar 1997* **PostDoc Position**
Max-Planck-Institut für Biochemie, Molecular Biology
Muenchen, Germany
- May 1992 – May 1995* **PhD Student**
Fachklinik Hornheide,
Muenster, Germany
- Apr 1991 – Apr 1992* **Diploma Student**
University of Münster, Institute of Zoophysiology (Hospital)
Muenster, Germany

Statistics

RG Score 53.72
Publications 298
Reads 14,075
Citations 4895

Awards & Grants

- Jan 2016* Grant: BMBF DZL2.0 grant COPD, Lung Cancer, Asthma/Allergy, Biobanking
- Apr 2014* Grant: DFG grant: the role of BAMBI in lung fibrosis
- Oct 2011* Grant: BMBF DZL grant COPD, Lung Cancer, Asthma/Allergy, Biobanking
- Dec 2010* Grant: BMBF P2N biobank BMB Nord
- Sep 2010* Grant: BMBF grant Med. Infektionsgenomik: LegioProTect

Skills & Activities

Skills Transcriptomics, In Vivo Experiments, Molecular Pathology, Immunohistochemistry, Lung Diseases, In Situ Hybridization, HOPE-technique, Lung Cancer, Asthma, lung infections, Chronic Obstructive Pulmonary Disease, Fluorescence Microscopy, PCR, Inflammation, Ex Vivo Experiments, Histology, Gene Expression, Macrophage, Medical Genetics, Cytokines, Monocytes, Pathology, Microarray, Genetics, Gene Expression and Chromatin Biology, Proteins, Apoptosis, Staining, DNA, Real-Time PCR, Toll-Like Receptors, Protein Expression, RNA, Cancer Biology, Cell Culture, Western Blot, Molecular Cloning, Flow Cytometry, Western Blot Analysis, Electrophoresis, Immunocytochemistry, SDS-PAGE, Gel Electrophoresis, Tissue Culture, Immunofluorescence, Transfection, Primary Cell Culture, DNA Sequencing, Lung, Transcription, Nucleic Acids, Microscopy, mRNA Expression, Paraffin Embedding, ISH, Tissue, Tissue Fixation, Mycobacteria, Lung Neoplasms

Languages English, German, Latin

Scientific Memberships German Center for Lung Research
Airway Research Center North
Deutsche Gesellschaft für Pathologie

Interests

Publication Highlights

Sebastian Marwitz, Sofia Depner, Dmytro Dvornikov, Ruth Merkle, Magdalena Szczygiel, K. Müller-Decker, Philippe Lucarelli, M. Wachs, H. Mairbaurl, Klaus F Rabe, Christian Kugler, Ekkehard Vollmer, Martin Reck, Svetlana Scheufele, M. Kroger, Ole Ammerpohl, Reiner Siebert, Torsten Goldmann, U. Klingmüller: *Downregulation of the TGFβ Pseudoreceptor BAMBI in Non-Small Cell Lung Cancer Enhances TGFβ Signaling and Invasion*. *Cancer Research* 05/2016; 76(13)., DOI:10.1158/0008-5472.CAN-15-1326

Torsten Goldmann, Christian Kugler, Niels Reinmuth, Ekkehard Vollmer, Martin Reck: *PD-L1 copy number gain in Non Small Cell Lung Cancer defines a new subset of patients for anti PD-L1 therapy*. *Annals of Oncology* 10/2015; 27(1)., DOI:10.1093/annonc/mdv510

Sebastian Marwitz, Lena Heinbockel, Swetlana Scheufele, Christian Kugler, Martin Reck, Klaus F. Rabe, Sven Perner, Torsten Goldmann, Ole Ammerpohl: *Fountain of youth for squamous cell carcinomas? On the epigenetic age of NSCLC and corresponding tumor-free lung tissues*. International Journal of Cancer 07/2018; 143(12)., DOI:10.1002/ijc.31641

Frauke Pedersen, Benjamin Waschki, Sebastian Marwitz, Torsten Goldmann, Anne Kirsten, Anna Malmgren, Klaus F. Rabe, Mohib Uddin, Henrik Watz: *Neutrophil Extracellular Trap Formation is regulated by CXCR2 in COPD neutrophils*. European Respiratory Journal 02/2018; 51(4):1700970., DOI:10.1183/13993003.00970-2017

Books

J. Bullwinkel, Forschungszentrum, Borstel, Oldesloe, K. (VerfasserIn) Duda, H. (VerfasserIn) Fehrenbach, A. (VerfasserIn) Frey, K. (VerfasserIn) Gaede, T. (VerfasserIn) Goldmann: *Deutsches Zentrum für Lungenforschung (DZL) : Standort: Airway Research Center North : Förderperiode: 1.10.2011-31.12.2015*. 01/2016; , DOI:10.2314/GBV:873290372

Journal Publications

Felix Kordowski, Julia Kolarova, Clemens Schafmayer, Stephan Buch, Torsten Goldmann, Sebastian Marwitz, Christian Kugler, Swetlana Scheufele, Volker Gassling, Christopher G. Németh, Mario Brosch, Jochen Hampe, Ralph Lucius, Christian Röder, Holger Kalthoff, Reiner Siebert, Ole Ammerpohl, Karina Reiss: *Aberrant DNA methylation of ADAMTS16 in colorectal and other epithelial cancers*. BMC Cancer 12/2018; 18(1)., DOI:10.1186/s12885-018-4701-2

Torsten Goldmann, Gernot Zissel, Henrik Watz, Daniel Drömann, Martin Reck, Christian Kugler, Klaus F. Rabe, Sebastian Marwitz: *Human alveolar epithelial cells type II are capable of TGFβ-dependent epithelial-mesenchymal-transition and collagen-synthesis*. Respiratory research 12/2018; 19(1)., DOI:10.1186/s12931-018-0841-9

Torsten Goldmann: *Mini Review: Immunohistochemistry Using EGFR-Mutant Specific Antibodies in Non-Small Cell Lung Carcinoma: Accuracy and Reliability*. DOI:10.29245/2578-2967/2018/4.1140

Laura Herrtwich, Indrajit Nanda, Konstantinos Evangelou, Teodora Nikolova, Veronika Horn, Sagar, Daniel Erny, Jonathan Stefanowski, Leif Rogell, Claudius Klein, Kourosh Gharun, Marie Follo, Maximilian Seidl, Bernhard Kremer, Nikolas Münke, Julia Senges, Manfred Fliegau, Tom Aschman, Dietmar Pfeifer, Sandrine Sarrazin, Michael H. Sieweke, Dirk Wagner, Christine Dierks, Thomas Haaf, Thomas Ness, Mario M. Zaiss, Reinhard E. Voll, Sachin D. Deshmukh, Marco Prinz, Torsten Goldmann, Christoph Hölscher, Anja E. Hauser, Andres J. Lopez-Contreras, Dominic Grün, Vassilis Gorgoulis, Andreas Diefenbach, Philipp Henneke, Antigoni Triantafyllopoulou: *DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas*. Cell 08/2018; 174(5):1325-1326., DOI:10.1016/j.cell.2018.08.015

Lena Heinbockel, Günther Weindl, Guillermo Martinez de Tejada, Wilmar Correa, Susana Sanchez-Gomez, Sergio Barcena-Varela, Torsten Goldmann, Patrick Garidel, Thomas Gutschmann, Klaus Brandenburg: *Inhibition of Lipopolysaccharide- and Lipoprotein-Induced Inflammation by Antitoxin Peptide Pep19-2.5*. Frontiers in Immunology 07/2018; 9., DOI:10.3389/fimmu.2018.01704

- Lena Heinbockel, Sebastian Marwitz, Andra B Schromm, Henrik Watz, Christian Kugler, Ole Ammerpohl, Karoline Schnepf, Klaus F Rabe, Daniel Droemann, Torsten Goldmann: *Identification of novel target genes in human lung tissue involved in chronic obstructive pulmonary disease*. International Journal of COPD 07/2018; Volume 13:2255-2259., DOI:10.2147/COPD.S161958
- Sebastian Marwitz, Lena Heinbockel, Swetlana Scheufele, Christian Kugler, Martin Reck, Klaus F. Rabe, Sven Perner, Torsten Goldmann, Ole Ammerpohl: *Fountain of youth for squamous cell carcinomas? On the epigenetic age of NSCLC and corresponding tumor-free lung tissues*. International Journal of Cancer 07/2018; 143(12)., DOI:10.1002/ijc.31641
- Malamati Vreka, Ioannis Lilis, Maria Papageorgopoulou, Georgia A Giotopoulou, Marina Lianou, Ioanna Giopanou, Nikolaos I Kanellakis, Magda Spella, Theodora Agalioiti, Vasileios Armenis, Torsten Goldmann, Sebastian Marwitz, Fiona E Yull, Timothy S Blackwell, Manolis Pasparakis, Antonia Marazioti, Georgios T Stathopoulos: *I κ B Kinase α Is Required for Development and Progression of KRAS-Mutant Lung Adenocarcinoma*. Cancer Research 03/2018; 78(11):canres.1944.2017., DOI:10.1158/0008-5472.CAN-17-1944
- Frauke Pedersen, Benjamin Waschki, Sebastian Marwitz, Torsten Goldmann, Anne Kirsten, Anna Malmgren, Klaus F. Rabe, Mohib Uddin, Henrik Watz: *Neutrophil Extracellular Trap Formation is regulated by CXCR2 in COPD neutrophils*. European Respiratory Journal 02/2018; 51(4):1700970., DOI:10.1183/13993003.00970-2017
- Nicole Kuhlmann, Lena Heinbockel, Wilmar Correa, Thomas Gutschmann, Torsten Goldmann, Uwe Englisch, Klaus Brandenburg: *Peptide drug stability: The anti-inflammatory drugs Pep19-2.5 and Pep19-4LF in cream formulation*. European Journal of Pharmaceutical Sciences 01/2018; 115., DOI:10.1016/j.ejps.2018.01.022
- Luca Tamò, Cedric Simillion, Youssef Hibaoui, Anis Feki, Mathias Gugger, Antje Prasse, Benedikt Jäger, Torsten Goldmann, Thomas Geiser, Amiq Gazdhar: *Gene Network Analysis of Interstitial Macrophages After Treatment with Induced Pluripotent Stem Cells Secretome (iPSC-cm) in the Bleomycin Injured Rat Lung*. Stem Cell Reviews and Reports 12/2017; 14(3)., DOI:10.1007/s12015-017-9790-9
- Sebastian Marwitz, Lena Heinbockel, Swetlana Scheufele, Dörte Nitschkowski, Christian Kugler, Sven Perner, Martin Reck, Ole Ammerpohl, Torsten Goldmann: *Epigenetic modifications of the VGF gene in human non-small cell lung cancer tissues pave the way towards enhanced expression*. 12/2017; 9(1):123., DOI:10.1186/s13148-017-0423-6
- Ingmar Lautenschläger, Yuk Lung Wong, Jürgen Sarau, Torsten Goldmann, Karina Zitta, Martin Albrecht, Inéz Frerichs, Norbert Weiler, Stefan Uhlig: *Signalling mechanisms in PAF-induced intestinal failure*. Scientific Reports 12/2017; 7(1)., DOI:10.1038/s41598-017-13850-x
- Lars F. Eggers, Julia Müller, Chakravarthy Marella, Verena Scholz, Henrik Watz, Christian Kugler, Klaus F. Rabe, Torsten Goldmann, Dominik Schwudke: *Lipidomes of lung cancer and tumour-free lung tissues reveal distinct molecular signatures for cancer differentiation, age, inflammation, and pulmonary emphysema*. Scientific Reports 12/2017; 7(1)., DOI:10.1038/s41598-017-11339-1
- Sebastian Marwitz, Torsten Goldmann: *Back into focus: tumour-associated macrophages and their role in immune checkpoint inhibition*. Translational Cancer Research 08/2017; 6(S6):S1064-S1065., DOI:10.21037/tcr.2017.07.18

- Tobias Müller, Susanne Fay, Rodolfo Paula Vieira, Harry Karmouty-Quintana, Sanja Cicko, Cemil Korcan Ayata, Gernot Zissel, Torsten Goldmann, Giuseppe Lungarella, Davide Ferrari, Francesco Di Virgilio, Bernard Robaye, Jean-Marie Boeynaems, Eduardo R. Lazarowski, Michael R. Blackburn, Marco Idzko: *P2Y6 Receptor Activation Promotes Inflammation and Tissue Remodeling in Pulmonary Fibrosis*. *Frontiers in Immunology* 08/2017; 8:1028., DOI:10.3389/fimmu.2017.01028
- Inga Kaufhold, Sünja Osbahr, Kensuke Shima, Sebastian Marwitz, Kristina Rohmann, Daniel Drömann, Torsten Goldmann, Klaus Dalhoff, Jan Rupp: *Nontypeable Haemophilus influenzae (NTHi) directly interfere with the regulation of E-cadherin in lung epithelial cells*. *Microbes and Infection* 08/2017; 19(11)., DOI:10.1016/j.micinf.2017.07.002
- U Jappe, S Minge, B Kreft, A Ludwig, B Przybilla, A Walker, R Varga, P Seidel, T Biedermann, W Anemüller, A Kromminga, F Ruëff, H Merk, N Wagner, R Treudler, M Worm, I Waldmann, J Saloga, W M Becker, T Goldmann, T A Platts-Mills, A Homann: *Meat allergy associated with a-Gal - Closing diagnostic gaps by anti-a-Gal IgE immune profiling*. *Allergy* 07/2017; 73(1)., DOI:10.1111/all.13238
- Sergio Bárcena-Varela, Guillermo Martínez-De-Tejada, Lukas Martin, Tobias Schuerholz, Ana Gloria Gil-Royo, Satoshi Fukuoka, Torsten Goldmann, Daniel Droemann, Wilmar Correa, Thomas Gutschmann, Klaus Brandenburg, Lena Heinbockel: *Coupling killing to neutralization: combined therapy with ceftriaxone/Pep19-2.5 counteracts sepsis in rabbits*. 06/2017; 49(6)., DOI:10.1038/emm.2017.75
- Sebastian Marwitz, Swetlana Scheufele, Sven Perner, Martin Reck, Ole Ammerpohl, Torsten Goldmann: *Epigenetic modifications of the immune-checkpoint genes CTLA4 and PDCD1 in non-small cell lung cancer results in increased expression*. 05/2017; 9(1)., DOI:10.1186/s13148-017-0354-2
- Henrik Watz, Mohib Uddin, Frauke Pedersen, Anne Kirsten, Torsten Goldmann, Florian Stellmacher, Espen Groth, Bengt Larsson, Gerhard Böttcher, Anna Malmgren, Maarten Kraan, Klaus F. Rabe: *Effects of the CXCR2 antagonist AZD5069 on lung neutrophil recruitment in asthma*. *Pulmonary Pharmacology & Therapeutics* 05/2017; 45., DOI:10.1016/j.pupt.2017.05.012
- Tobias Müller, Susanne Fay, Rodolfo Paula Vieira, Harry Karmouty-Quintana, Sanja Cicko, Korcan Ayata, Gernot Zissel, Torsten Goldmann, Giuseppe Lungarella, Davide Ferrari, Francesco Di Virgilio, Bernard Robaye, Jean-Marie Boeynaems, Michael R. Blackburn, Marco Idzko: *The purinergic receptor subtype P2Y2 mediates chemotaxis of neutrophils and fibroblasts in fibrotic lung disease*. *Oncotarget* 03/2017; 8(22)., DOI:10.18632/oncotarget.16414
- Julia Hoppe, Can M. Ünal, Stefanie Thiem, Louisa Grimpe, Torsten Goldmann, Nikolaus Gafßler, Matthias Richter, Olga Shevchuk, Michael Steinert: *PilY1 Promotes Legionella pneumophila Infection of Human Lung Tissue Explants and Contributes to Bacterial Adhesion, Host Cell Invasion, and Twitching Motility*. *Frontiers in Cellular and Infection Microbiology* 03/2017; 7., DOI:10.3389/fcimb.2017.00063
- Rania Gaber, Iris Watermann, Christian Kugler, Ekkehard Vollmer, Sven Perner, Martin Reck, Torsten Goldmann: *Preselection of EGFR mutations in non-small-cell lung cancer patients by immunohistochemistry: Comparison with DNA-sequencing, EGFR wild-type expression, gene copy number gain and clinicopathological data*. *Romanian journal of morphology and embryology = Revue roumaine de morphologie et embryologie* 01/2017; 58(4):1175-1184.
- Dariimaa Ganbat, Sophie Seehase, Elvira Richter, Ekkehard Vollmer, Norbert Reiling, Kurt Fellenberg, Karoline I. Gaede, Christian Kugler, Torsten Goldmann: *Mycobacteria infect different cell types in the*

human lung and cause species dependent cellular changes in infected cells. BMC Pulmonary Medicine 12/2016; 16(1)., DOI:10.1186/s12890-016-0185-5

Laura Herrtwich, Indrajit Nanda, Konstantinos Evangelou, Teodora Nikolova, Veronika Horn, Sagar, Daniel Erny, Jonathan Stefanowski, Leif Rogell, Claudius Klein, Kourosh Gharun, Marie Follo, Maximilian Seidl, Bernhard Kremer, Nikolas Münke, Julia Senges, Manfred Fliegau, Tom Aschman, Dietmar Pfeifer, Sandrine Sarrazin, Michael H. Sieweke, Dirk Wagner, Christine Dierks, Thomas Haaf, Thomas Ness, Mario M. Zaiss, Reinhard E. Voll, Sachin D. Deshmukh, Marco Prinz, Torsten Goldmann, Christoph Hölscher, Anja E. Hauser, Andres J. Lopez-Contreras, Dominic Grün, Vassilis Gorgoulis, Andreas Diefenbach, Philipp Henneke, Antigoni Triantafyllopoulou: *DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas.* Cell 10/2016; 167(5)., DOI:10.1016/j.cell.2016.09.054

Henrik Watz, Anne Kirsten, Frauke Pedersen, Torsten Goldmann, Florian Stellmacher, Mohib Uddin, Bengt Larsson, Gerhard Böttcher, Anna Malmgren, Marteen Kraan, Klaus Rabe: *Neutrophils in bronchial mucosa, sputum and blood after administration of the CXCR2-antagonist AZD5069 - An explorative study in neutrophilic asthma.* European Respiratory Journal 09/2016; 48(suppl 60):PA4892., DOI:10.1183/13993003.congress-2016.PA4892

S Marwitz, S Depner, D Dvornikov, R Merkle, M Szczygieł, K Müller-Decker, P Lucarelli, M Wäsch, H Mairbäurl, KF Rabe, C Kugler, E Vollmer, M Reck, S Scheufele, M Kröger, O Ammerpohl, R Siebert, T Goldmann, U Klingmüller: *TGF- β on the loose: How downregulation of BAMBI contributes to perturbed signaling in NSCLC.* Pneumologie 07/2016; 70(07)., DOI:10.1055/s-0036-1584626

Jasmin Schnerch, Antje Prasse, Dimitrios Vlachakis, Katrin L Schuchardt, Dmitri V Pechkovsky, Torsten Goldmann, Karoline I Gaede, Joachim Müller-Quernheim, Gernot Zissel: *Functional TLR9 Expression and CXCR3 Ligand Release in Pulmonary Sarcoidosis.* American Journal of Respiratory Cell and Molecular Biology 07/2016; 55(5)., DOI:10.1165/rcmb.2015-0278OC

Sebastian Marwitz, Sofia Depner, Dmytro Dvornikov, Ruth Merkle, Magdalena Szczygiel, K. Mu ller-Decker, Philippe Lucarelli, M. Wa sch, H. Mairba url, Klaus F Rabe, Christian Kugler, Ekkehard Vollmer, Martin Reck, Svetlana Scheufele, M. Kro ger, Ole Ammerpohl, Reiner Siebert, Torsten Goldmann, U. Klingmu ller: *Downregulation of the TGF β Pseudoreceptor BAMBI in Non-Small Cell Lung Cancer Enhances TGF β Signaling and Invasion.* Cancer Research 05/2016; 76(13)., DOI:10.1158/0008-5472.CAN-15-1326

Mark Kriegsmann, Thomas Muley, Alexander Harms, Luca Tavernar, Torsten Goldmann, Hendrik Dienemann, Esther Herpel, Arne Warth: *Differential diagnostic value of CD5 and CD117 expression in thoracic tumors: A large scale study of 1465 non-small cell lung cancer cases.* Diagnostic Pathology 12/2015; 10(10):210., DOI:10.1186/s13000-015-0441-7

Torsten Goldmann, Christian Kugler, Niels Reinmuth, Ekkehard Vollmer, Martin Reck: *PD-L1 copy number gain in Non Small Cell Lung Cancer defines a new subset of patients for anti PD-L1 therapy.* Annals of Oncology 10/2015; 27(1)., DOI:10.1093/annonc/mdv510

Christopher Wagner, Torsten Goldmann, Kristina Rohmann, Jan Rupp, Sebastian Marwitz, Johannes Rotta Detto Loria, Stefan Limmer, Peter Zabel, Klaus Dalhoff, Daniel Drömann: *Budesonide Inhibits Intracellular Infection with Non-Typeable Haemophilus influenzae despite Its Anti-Inflammatory Effects in*



Respiratory Cells and Human Lung Tissue: A Role for p38 MAP Kinase. Respiration 10/2015; 90(5)., DOI:10.1159/000439226

Guillermo Martinez de Tejada, Lena Heinbockel, Raquel Ferrer-Espada, Holger Heine, Christian Alexander, Sergio Bárcena-Varela, Torsten Goldmann, Wilmar Correa, Karl-Heinz Wiesmüller, Nicolas Gisch, Susana Sánchez-Gómez, Satoshi Fukuoka, Tobias Schürholz, Thomas Gutschmann, Klaus Brandenburg: *Lipoproteins/peptides are sepsis-inducing toxins from bacteria that can be neutralized by synthetic anti-endotoxin peptides*. Scientific Reports 09/2015; 5:14292., DOI:10.1038/srep14292

Frauke Pedersen, Sebastian Marwitz, Torsten Goldmann, Anne Kirsten, Helgo Magnussen, Klaus F. Rabe, Mohib Uddin, Henrik Watz: *Enhanced neutrophil extracellular trap (NET) formation in sputum of stable COPD patients*. European Respiratory Journal 09/2015; 46(suppl 59):PA379., DOI:10.1183/13993003.congress-2015.PA379

Dagmar S. Lang, Sebastian Marwitz, Tobias Zeiser, Sophie Seehase, Iris Watermann, Ekkehard Vollmer, Martin Reck, Peter Zabel, Torsten Goldmann: *Placenta-derived conditioned medium with anti-tumor properties on human NSCLC*. European Respiratory Journal 09/2015; 46(suppl 59):OA4983., DOI:10.1183/13993003.congress-2015.OA4983

Frauke Pedersen, Sebastian Marwitz, Sebastian Marwitz, Olaf Holz, Olaf Holz, Anne Kirsten, Thomas Bahmer, Benjamin Waschki, Helgo Magnussen, Klaus F. Rabe, Torsten Goldmann, Mohib Uddin, Henrik Watz: *Neutrophil extracellular trap formation and extracellular DNA in sputum of stable COPD patients*. Respiratory Medicine 08/2015; 109(10)., DOI:10.1016/j.rmed.2015.08.008

Lena Heinbockel, Sebastian , Marwitz, Sergio , Barcena Varela, Raquel Ferrer-Espada, Norbert Reiling, Torsten Goldmann, Thomas Gutschmann, Walter Mier, Tobias Schürholz, Daniel Drömann, Klaus Brandenburg, Guillermo Martinez De Tejada: *Therapeutic Administration of Peptide Pep19-2.5 and Ibuprofen Reduces Inflammation and Prevents Lethal Sepsis*. PLoS ONE 08/2015; 10(7)., DOI:10.1371/journal.pone.0133291

Watermann I, Schmitt B, Stellmacher F, Müller J, Gaber R, Kugler Ch, Reinmuth N, Huber RM, Thomas M, Zabel P, Rabe KF, Jonigk D, Warth A, Vollmer E, Reck M, Goldmann T.: *Improved diagnostics targeting c-MET in non-small cell lung cancer: Expression, amplification and activation?*. Diagnostic Pathology 07/2015; 10(1)., DOI:10.1186/s13000-015-0362-5

D Wilpsbäumer, K Rohmann, J Rupp, P Zabel, S Marwitz, T Goldmann, K Dalhoff, D Drömann: *Nontypeable Haemophilus influenzae (NTHi) reguliert die TGF- β -Signaltransduktion durch Induktion des TGF- β -Pseudorezeptors BAMBI im Lungengewebe und in respiratorischen Zellen*. Pneumologie 04/2015; 69(04)., DOI:10.1055/s-0035-1548639

K Rohmann, J Rupp, T Goldmann, K Dalhoff, D Droemann: *Viral-bakterielle Koinfektionen führen zu einer verstärkten Aktivierung des NLRP3-Inflammasoms in Makrophagen und Alveolarepithelzellen*. Pneumologie 04/2015; 69(04)., DOI:10.1055/s-0035-1548633

I Kaufhold, S Osbahr, D Drömann, S Marwitz, T Goldmann, K Dalhoff, J Rupp: *Nontypeable Haemophilus influenzae infection differently modulates E-cadherin expression under changing environmental oxygen concentrations*. Pneumologie 04/2015; 69(04)., DOI:10.1055/s-0035-1548640

- S Marwitz, J Jäger, J Tiefenau, J Rasch, O Shevchuk, C Kugler, T Goldmann, M Steinert: *Legionella in the lung: development of a human ex vivo tissue culture system to study host microbe interactions*. Pneumologie 04/2015; 69(04)., DOI:10.1055/s-0035-1548637
- Yuk Lung Wong, I. Lautenschlager, Heike Dombrowsky, Karina Zitta, Berthold Bein, Thorsten Krause, Torsten Goldmann, Inez Frerichs, Markus Steinfath, Norbert Weiler, Martin Albrecht: *Hydroxyethyl Starch (HES 130/0.4) Impairs Intestinal Barrier Integrity and Metabolic Function: Findings from a Mouse Model of the Isolated Perfused Small Intestine*. PLoS ONE 03/2015; 10(3-3)., DOI:10.1371/journal.pone.0121497
- I. Lautenschlager, Inéz Frerichs, Heike Dombrowsky, Jürgen Sarau, Torsten Goldmann, Karina Zitta, Martin Albrecht, Norbert Weiler, Stefan Uhlig: *Quinidine, but Not Eicosanoid Antagonists or Dexamethasone, Protect the Gut from Platelet Activating Factor-Induced Vasoconstriction, Edema and Paralysis*. PLoS ONE 03/2015; 10(3-3)., DOI:10.1371/journal.pone.0120802
- Nicole Zehethofer, Saskia Bermbach, Stefanie Hagner, Holger Garn, Julia Müller, Torsten Goldmann, Buko Lindner, Dominik Schwudke, Peter König: *Lipid Analysis of Airway Epithelial Cells for Studying Respiratory Diseases*. Chromatographia 03/2015; 78(5):403., DOI:10.1007/s10337-014-2787-5
- Frauke Pedersen, Olaf Holz, Gereon Lauer, Gianluca Quintini, Heidrun Kiwull-Schöne, Anne-Marie Kirsten, Helgo Magnussen, Klaus F Rabe, Torsten Goldmann, Henrik Watz: *Multi-analyte profiling of inflammatory mediators in COPD sputum – The effects of processing*. Cytokine 11/2014; 71(2)., DOI:10.1016/j.cyto.2014.10.008
- Rania Gaber, Iris Watermann, Christian Kugler, Nils Reinmuth, Rudolf M Huber, Philipp A Schnabel, Ekkehard Vollmer, Martin Reck, Torsten Goldmann: *Correlation of EGFR expression, gene copy number and clinicopathological status in NSCLC*. Diagnostic Pathology 09/2014; 9(1):165., DOI:10.1186/s13000-014-0165-0
- N Reinmuth, D Heigener, T Goldmann, I Watermann, M Reck: *[A reduced TKI dosage is not associated with loss of activity in EGFR mutated NSCLC patients]*. Pneumologie 09/2014; 68(9):619-623., DOI:10.1055/s-0034-1377927
- Sebastian Marwitz, Julia Kolarova, Martin Reck, Niels Reinmuth, Christian Kugler, Ines Schädlich, Andrea Haake, Peter Zabel, Ekkehard Vollmer, Reiner Siebert, Torsten Goldmann, Ole Ammerpohl: *The tissue is the issue: Improved methylome analysis from paraffin-embedded tissues by application of the HOPE technique*. Laboratory Investigation 06/2014;, DOI:10.1038/labinvest.2014.79
- S Seehase, B Baron-Luehr, C Kugler, E Vollmer, T Goldmann: *Alveolar epithelial cells type II show a high sensitivity to cigarette smoke extract*. Pneumologie 06/2014; 68(06)., DOI:10.1055/s-0034-1376780
- A Tufman, A Borgmeier, C Belka, K Ulm, F Tian, M Flentje, P Schnabel, T Goldmann, RM Huber: *Individualisation of radiochemotherapy (RTCT) for locally advanced non-small cell lung cancer (NSCLC)*. Pneumologie 06/2014; 68(06)., DOI:10.1055/s-0034-1376830
- Olga Shevchuk, Nada Abidi, Frank Klawonn, Josef Wissing, Manfred Nimtz, Christian Kugler, Michael Steinert, Torsten Goldmann, Lothar Jänsch: *HOPE-Fixation of Lung Tissue Allows Retrospective Proteome and Phosphoproteome Studies*. Journal of Proteome Research 04/2014; 13(11)., DOI:10.1021/pr500096a

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