

# Publication list of crc1382

December 6, 2021

This list has been created using LuaHBTeX, Version 1.12.0 (TeX Live 2020/Debian).  
Source of data is <https://publications.rwth-aachen.de/record/783071>.

## References

---

- [1] Anshu Babbar, Thomas C. A. Hitch, **Oliver Pabst**, **Thomas Clavel**, Jessica Hübel, Sreepradha Eswaran, **Norbert Wagner**, and **Angela Schippers**. “The Compromised Mucosal Immune System of  $\beta 7$  Integrin-Deficient Mice Has Only Minor Effects on the Fecal Microbiota in Homeostasis”. In: *Frontiers in microbiology* 10 (2019), p. 2284. doi: 10.3389/fmicb.2019.02284.
- [2] Vanessa Baier, Olivia Clayton, Ramona Nudischer, Henrik Cordes, Annika R. P. Schneider, Christoph Werner Josef Thiel, Timo Wittenberger, Wolfgang Moritz, **Lars Mathias Blank**, **Ulf Peter Neumann**, **Christian Trautwein**, Jens Kelm, Yannick Schrooders, Florian Caiment, Hans Gmuender, Adrian Roth, José V. Castell, Jos Kleinjans, and Lars Oliver Küpfer. “A Model-Based Workflow to Benchmark the Clinical Cholestasis Risk of Drugs”. In: *Clinical pharmacology & therapeutics* 110.5 (2021), pp. 1293–1301. doi: 10.1002/cpt.2406.
- [3] Matthias Bartneck, Christiane Koppe, Viktor Fech, Klaudia Theresa Warzecha, Marlene Kohlhepp, Sebastian Huss, Ralf Weiskirchen, **Christian Trautwein**, **Tom Lüdde**, and **Frank Tacke**. “Roles of CCR2 and CCR5 for Hepatic Macrophage Polarization in Mice With Liver Parenchymal Cell-Specific NEMO Deletion”. In: *Cellular and Molecular Gastroenterology and Hepatology* 11.2 (2020), pp. 327–347. doi: 10.1016/j.jcmgh.2020.08.012.
- [4] Fabian Benz, Andreas Bogen, Michael Praktiknjo, Christian Jansen, Carsten Meyer, Alexander Wree, Muenevver Demir, Sven Loosen, Mihael Vucur, Robert Schierwagen, **Frank Tacke**, **Jonel Trebicka**, and Christoph Roderburg. “Serum levels of bone sialoprotein correlate with portal pressure in patients with liver cirrhosis”. In: *PLoS one* 15.4 (2020), e0231701. doi: 10.1371/journal.pone.0231701.
- [5] Niels van Best, U. Rolle-Kampczyk, **Frank G. Schaap**, M. Basic, **Steven W. M. Olde Damink**, A. Bleich, P. Savelkoul, **Martin von Bergen**, J. Penders, and **Mathias W. Hornef**. “Bile acids drive the newborn’s gut microbiota maturation”. In: *Nature Communications* 11.1 (2020), p. 3692. doi: 10.1038/s41467-020-17183-8.
- [6] Niels van Best, Sonja Trepels-Kottek, Paul Savelkoul, Thorsten Orlikowsky, **Mathias W. Hornef**, and John Penders. “Influence of probiotic supplementation on the developing microbiota in human preterm neonates”. In: *Gut microbes* 12.1 (2020), p. 1826747. doi: 10.1080/19490976.2020.1826747.
- [7] Ilaria Biancacci, Qingxue Sun, Diana Möckel, **Felix Gremse**, Stefanie Rosenhain, **Fabian Kießling**, Matthias Bartneck, Qizhi Hu, Marielle Thewissen, Gert Storm, Wim E. Hennink, Yang Shi, Cristianne J. F. Rijcken, Twan Lammers, and Alexandros Marios Sofias. “Optical imaging of the whole-body to cellular biodistribution of clinical-stage PEG-b-pHPMA-based core-crosslinked polymeric micelles”. In: *Journal of controlled release* 328 (2020), pp. 805–816. doi: 10.1016/j.jconrel.2020.09.046.
- [8] Lukas C. Bossert. *CRC1382 and its DMP*. 2021. doi: 10.6084/M9.FIGSHARE.16922557.V1.
- [9] Lukas C. Bossert. “Mit »biber –tool« Bibliografieinträge bearbeiten”. In: *Die TEXnische Komödie 2* (2020), pp. 24–33. doi: 10.5281/zenodo.3784922.

- [10] Lukas Buendgens, Eray Yagmur, Axel Ginsberg, Ralf Weiskirchen, Theresa Wirtz, Samira Abu Jhaisha, Albrecht Eisert, **Tom Lüdde**, **Christian Trautwein**, **Frank Tacke**, and Alexander Koch. “Midregional Proadrenomedullin (MRproADM) Serum Levels in Critically Ill Patients Are Associated with Short-Term and Overall Mortality during a Two-Year Follow-Up”. In: *Mediators of inflammation* 2020 (2020), p. 7184803. DOI: 10.1155/2020/7184803.
- [11] Carla Cremonese, Robert Schierwagen, Frank Erhard Uschner, Sandra Torres, Olaf Tyc, Cristina Ortiz, Martin Schulz, Alexander Queck, Glen Kristiansen, Michael Bader, Tilman Sauerbruch, Ralf Weiskirchen, Thomas Walther, **Jonel Trebicka**, and Sabine Klein. “Short-Term Western Diet Aggravates Non-Alcoholic Fatty Liver Disease (NAFLD) With Portal Hypertension in TGR(mREN2)27 Rats”. In: *International journal of molecular sciences* 21.9 (2020), p. 3308. DOI: 10.3390/ijms21093308.
- [12] Giuseppe Cullaro, Rajani Sharma, **Jonel Trebicka**, Andrés Cárdenas, and Elizabeth C. Verna. “Precipitants of Acute-on-Chronic Liver Failure: An Opportunity for Preventative Measures to Improve Outcomes”. In: *Liver transplantation* 26.2 (2020), pp. 283–293. DOI: 10.1002/lt.25678.
- [13] Girmay Desalegn and **Oliver Pabst**. “Inflammation triggers immediate rather than progressive changes in monocyte differentiation in the small intestine”. In: *Nature Communications* 10 (2019), p. 3229. DOI: 10.1038/s41467-019-11148-2.
- [14] Hannah K. Drescher, **Angela Schippers**, Stefanie Rosenhain, **Felix Gremse**, Laura Bongiovanni, Alain de Bruin, Sreepadha Eswaran, Suchira U. Gallage, Dominik Pfister, Marta Szydłowska, Mathias Heikenwalder, Sabine Weiskirchen, **Norbert Wagner**, **Christian Trautwein**, Ralf Weiskirchen, and Daniela C. Kroy. “L-Selectin/CD62L is a Key Driver of Non-Alcoholic Steatohepatitis in Mice and Men”. In: *Cells. Open access journal* 9.5 (2020), p. 1106. DOI: 10.3390/cells9051106.
- [15] Amelie Ehle, Niklas Timon Rindtorff, Titus Josef Brinker, **Tom Lüdde**, Alexander Thomas Pearson, and Jakob Nikolas Kather. “Deep learning in cancer pathology: a new generation of clinical biomarkers”. In: *British journal of cancer* 124.4 (2021), pp. 686–696. DOI: 10.1038/s41416-020-01122-x.
- [16] Olga Estévez-Vázquez, Raquel Benedé-Ubieto, Feifei Guo, Beatriz Gómez-Santos, Patricia Aspichueta, Johanna Reißing, **Tony Bruns**, Carlos Sanz-García, Svenja Sydor, Lars P. Bechmann, Eva Marañillo, José Ramón Sañudo, María Teresa Vázquez, Arantza Lamas-Paz, Laura Morán, Marina S. Mazariegos, Andreea Ciudin, Juan M. Pericàs, María Isabel Peligros, Javier Vaquero, Eduardo Martínez-Naves, **Christian Liedtke**, José R. Regueiro, **Christian Trautwein**, Rafael Bañares, Francisco Javier Cubero, and **Yulia A. Nevzorova**. “Fat. Quality, or Quantity? What Matters Most for the Progression of Metabolic Associated Fatty Liver Disease (MAFLD)”. In: *Biomedicines* 9.10 (2021), p. 1289. DOI: 10.3390/biomedicines9101289.
- [17] Sreepadha Eswaran, Anshu Babbar, Hannah K. Drescher, Thomas C. A. Hitch, **Thomas Clavel**, Moritz Muschaweck, Thomas Ritz, Daniela C. Kroy, **Christian Trautwein**, **Norbert Wagner**, and **Angela Schippers**. “Upregulation of Anti-Oxidative Stress Response Improves Metabolic Changes in L-Selectin-Deficient Mice but Does Not Prevent NAFLD Progression or Fecal Microbiota Shifts”. In: *International journal of molecular sciences* 22.14 (2021), 7314 pp. DOI: 10.3390/ijms22147314.
- [18] Marcus Fulde, Kira van Vorst, Kaiyi Zhang, Alexander J. Westermann, Tobias Busche, Yong Chiun Huei, Katharina Welitschanski, Isabell Froh, Dennis Pägelow, Johanna Plendl, Christiane Pfarrer, Jörn Kalinowski, Jörg Vogel, Peter Valentin-Weigand, Michael Hensel, Karsten Tedin, Urska Repnik, and **Mathias W. Hornef**. “SPI2 T3SS effectors facilitate enterocyte apical to basolateral transmigration of Salmonella-containing vacuoles in vivo”. In: *Gut microbes* 13.1 (2021), p. 1973836. DOI: 10.1080/19490976.2021.1973836.
- [19] Stephanie C. Ganai-Vonarburg, **Mathias W. Hornef**, and Andrew J. Macpherson. “Microbial-host molecular exchange and its functional consequences in early mammalian life”. In: *Science / Science now* 368.6491 (2020), pp. 604–607. DOI: 10.1126/science.aba0478.
- [20] Adrien Guillot, Marlene S. Kohlhepp, Alix Bruneau, Felix Heymann, and **Frank Tacke**. “Deciphering the Immune Microenvironment on A Single Archival Formalin-Fixed Paraffin-Embedded Tissue Section by An Immediately Implementable Multiplex Fluorescence Immunostaining Protocol”. In: *Cancers* 12.9 (2020), p. 2449. DOI: 10.3390/cancers12092449.
- [21] Adrien Guillot and **Frank Tacke**. “The Unexpected Role of Neutrophils for Resolving Liver Inflammation by Transmitting MicroRNA-223 to Macrophages”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 71.2 (2020), pp. 749–751. DOI: 10.1002/hep.30925.

- [22] Daniela Adele Hausen, Lukas C. Bossert, and Ute Trautwein-Bruns. “Aufgaben- und Kompetenzspektrum der Data Stewards an der RWTH Aachen University. Generell und explizit am Beispiel des Sonderforschungsbereichs 1382”. In: *Bausteine Forschungsdatenmanagement* 3 (2021), pp. 92–105. DOI: 10.17192/bfdm.2021.3.8352.
- [23] Daniel Heinrichs, Elisa Fabiana Brandt, Petra Fischer, Janine Köhncke, Theresa Wirtz, **Nurdan Guldiken**, Sonja Djudjaj, Peter Boor, Daniela C. Kroy, Ralf Weiskirchen, Richard Bucala, Hermann E. Wasmuth, **Pavel Strnad**, **Christian Trautwein**, Jürgen Bernhagen, and **Marie-Luise Berres**. “Unexpected Pro-Fibrotic Effect of MIF in Non-Alcoholic Steatohepatitis Is Linked to a Shift in NKT Cell Populations”. In: *Cells. Open access journal* 10.2 (2021), p. 252. DOI: 10.3390/cells10020252.
- [24] Philipp Henneke, Katrin Kierdorf, Lindsay J. Hall, Markus Sperandio, and **Mathias W. Hornef**. “Perinatal development of innate immune topology”. In: *eLife* 10 (2021), e67793. DOI: 10.7554/eLife.67793.
- [25] Thomas C. A. Hitch, Thomas Riedel, Aharon Oren, Jörg Overmann, Trevor D. Lawley, and **Thomas Clavel**. “Automated analysis of genomic sequences facilitates high-throughput and comprehensive description of bacteria”. In: *ISME communications* 1.1 (2021), p. 16. DOI: 10.1038/s43705-021-00017-z.
- [26] Jana Holmar, Sofia de la Puente-Secades, Jürgen Floege, **Heidi Noels**, **Joachim Jankowski**, and Setareh Orth-Alampour. “Uremic Toxins Affecting Cardiovascular Calcification: A Systematic Review”. In: *Cells* 9.11 (2020), p. 2428. DOI: 10.3390/cells9112428.
- [27] **Mathias W. Hornef** and Natalia Torow. “‘Layered immunity’ and the ‘neonatal window of opportunity’ - timed succession of non-redundant phases to establish mucosal host-microbial homeostasis after birth”. In: *Immunology. An official journal of the British Society for Immunology* 159.1 (2020), pp. 15–25. DOI: 10.1111/imm.13149.
- [28] Jana Hundertmark and **Frank Tacke**. “How effective are nonalcoholic fatty liver disease models for drug discovery?” In: *Expert opinion on drug discovery* 15.11 (2020), pp. 1237–1240. DOI: 10.1080/17460441.2020.1776258.
- [29] Yasuko Iwakiri and **Jonel Trebicka**. “Portal hypertension in cirrhosis. Pathophysiological mechanisms and therapy”. In: *JHEP reports* 3.4 (2021), p. 100316. DOI: 10.1016/j.jhepr.2021.100316.
- [30] Johanna Kabbert, Julia Benckert, Tim Rollenske, Thomas C. A. Hitch, **Thomas Clavel**, **Vuk Cerovic**, Hedda Wardemann, and **Oliver Pabst**. “High microbiota reactivity of adult human intestinal IgA requires somatic mutations”. In: *Journal of experimental medicine* 217.11 (2020), e20200275. DOI: 10.1084/jem.20200275.
- [31] Leah Maria Klein, Johannes Chang, Wenyi Gu, Steffen Manekeller, Christian Jansen, Philipp Lingohr, Michael Praktiknjo, Jörg C. Kalf, Martin Schulz, Ulrich Spengler, Christian Strassburg, Andrés Cárdenas, Vicente Arroyo, and **Jonel Trebicka**. “The Development and Outcome of Acute-on-Chronic Liver Failure After Surgical Interventions”. In: *Liver transplantation* 26.2 (2020), pp. 227–237. DOI: 10.1002/lt.25675.
- [32] Neeraj Kumar, Thomas C. A. Hitch, Dirk Haller, Ilias Lagkouvardos, and **Thomas Clavel**. “MiMiC: a bioinformatic approach for generation of synthetic communities from metagenomes”. In: *Microbial biotechnology* (2021), pp. 1–14. DOI: 10.1111/1751-7915.13845.
- [33] Berkan Kurt, Lukas Bündgens, Theresa Wirtz, Sven H. Loosen, Maximilian Schulze-Hagen, Daniel Truhn, Jonathan F. Brozat, Samira Abu Jhaisha, Philipp Hohlstein, Ger Koek, Ralf Weiskirchen, **Christian Trautwein**, **Frank Tacke**, Karim Hamesch, and Alexander Koch. “Serum Perilipin 2 (PLIN2) Predicts Multiple Organ Dysfunction in Critically Ill Patients”. In: *Biomedicine. Open access journal* 9.9 (2021), p. 1210. DOI: 10.3390/biomedicine9091210.
- [34] Arantza Lamas-Paz, Laura Morán, Jin Peng, Beatriz Salinas, Nuria López-Alcántara, Svenja Sydor, Ramiro Vilchez-Vargas, Iris Asensio, Fengjie Hao, Kang Zheng, Beatriz Martín-Adrados, Laura Moreno, Angel Cogolludo, Manuel Gómez del Moral, Lars Bechmann, Eduardo Martínez-Naves, Javier Vaquero, Rafael Bañares, **Yulia A. Nevzorova**, and Francisco Javier Cubero. “Intestinal Epithelial Cell-Derived Extracellular Vesicles Modulate Hepatic Injury via the Gut-Liver Axis During Acute Alcohol Injury”. In: *Frontiers in pharmacology* 11 (2020), p. 603771. DOI: 10.3389/fphar.2020.603771.
- [35] Joeri Lambrecht, Leo A. van Grunsven, and **Frank Tacke**. “Current and emerging pharmacotherapeutic interventions for the treatment of liver fibrosis”. In: *Expert opinion on pharmacotherapy* 21.13 (2020), pp. 1637–1650. DOI: 10.1080/14656566.2020.1774553.

- [36] Joeri Lambrecht, Mustafa Porsch-Özçürümez, Jan Best, Fabian Jost-Brinkmann, Christoph Roderburg, Münevver Demir, **Frank Tacke**, and Raphael Mohr. “The APAC Score. A Novel and Highly Performant Serological Tool for Early Diagnosis of Hepatocellular Carcinoma in Patients with Liver Cirrhosis”. In: *Journal of Clinical Medicine* 10.15 (2021), p. 3392. doi: 10.3390/jcm10153392.
- [37] Joeri Lambrecht and **Frank Tacke**. “Controversies and Opportunities in the Use of Inflammatory Markers for Diagnosis or Risk Prediction in Fatty Liver Disease”. In: *Frontiers in immunology* 11 (2021), p. 634409. doi: 10.3389/fimmu.2020.634409.
- [38] Sander Lefere, Lindsey Devisscher, and **Frank Tacke**. “Targeting CCR2/5 in the treatment of non-alcoholic steatohepatitis (NASH) and fibrosis. Opportunities and challenges”. In: *Expert opinion on investigational drugs* 29.2 (2020), pp. 89–92. doi: 10.1080/13543784.2020.1718106.
- [39] Sander Lefere, Tobias Püngel, Jana Hundertmark, Christian Penners, Anna Katharina Frank, Adrien Guillot, Kevin de Muynck, Felix Heymann, Vanessa Adarbes, Evelyne Defrêne, Céline Estivalet, Anja Geerts, Lindsey Devisscher, Guillaume Wettstein, and **Frank Tacke**. “Differential effects of selective- and pan-PPAR agonists on experimental steatohepatitis and hepatic macrophages”. In: *Journal of hepatology* 73.4 (2020), pp. 757–770. doi: 10.1016/j.jhep.2020.04.025.
- [40] Martin Lenicek, **Steven W. M. Olde Damink**, and **Frank G. Schaap**. “Gut Microbes Take It to the Next Level? First Insights Into Farnesoid X Receptor Agonists of Microbial Origin”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 72.4 (2020), pp. 1483–1485. doi: 10.1002/hep.31455.
- [41] Till R. Lesker, Abilash C. Durairaj, Eric J. C. Gálvez, Ilias Lagkouvardos, John F. Baines, **Thomas Clavel**, Alexander Sczyrba, Alice C. McHardy, and Till Strowig. “An Integrated Metagenome Catalog Reveals New Insights into the Murine Gut Microbiome”. In: *Cell reports* 30.9 (2020), 2909–2922.e6. doi: 10.1016/j.celrep.2020.02.036.
- [42] Anke Liepelt, Philipp Hohlstein, Hendrik Gussen, Jia Xue, Anna C. Aschenbrenner, Thomas Ulas, Lukas Bündgens, Klaudia Theresa Warzecha, Matthias Bartneck, **Tom Lüdde**, **Christian Trautwein**, Joachim L. Schultze, Alexander Koch, and **Frank Tacke**. “Differential Gene Expression in Circulating CD14+ Monocytes Indicates the Prognosis of Critically Ill Patients with Sepsis”. In: *Journal of Clinical Medicine* 9.1 (2020), p. 127. doi: 10.3390/jcm9010127.
- [43] Sven Loosen, Maximilian Franz Schulze-Hagen, Philipp Bruners, **Frank Tacke**, **Christian Trautwein**, **Christiane K. Kuhl**, **Tom Lüdde**, and Christoph Roderburg. “Sarcopenia Is a Negative Prognostic Factor in Patients Undergoing Transarterial Chemoembolization (TACE) for Hepatic Malignancies”. In: *Cancers* 11.10 (2019), p. 1503. doi: 10.3390/cancers11101503.
- [44] Cécilia Luciani, Fabian Tobias Hager, **Vuk Cerovic**, and Hugues Lelouard. “Dendritic cell functions in the inductive and effector sites of intestinal immunity”. In: *Mucosal immunology* (2021). doi: 10.1038/s41385-021-00448-w.
- [45] Isabella Lurje, Linda Hammerich, and **Frank Tacke**. “Dendritic Cell and T Cell Crosstalk in Liver Fibrogenesis and Hepatocarcinogenesis: Implications for Prevention and Therapy of Liver Cancer”. In: *International journal of molecular sciences* 21.19 (2020), p. 7378. doi: 10.3390/ijms21197378.
- [46] A. Mendler, A. Pierzchalski, M. Bauer, S. Röder, A. Sattler, M. Standl, M. Borte, **Martin von Bergen**, U. Rolle-Kampczyk, and G. Herberth. “MAIT cell activation in adolescents is impacted by bile acid concentrations and body weight”. In: *Clinical and experimental immunology* 200.2 (2020), pp. 199–213. doi: 10.1111/cei.13423.
- [47] Benjamin Misselwitz, Annika Wyss, Tina Raselli, **Vuk Cerovic**, Andreas W. Sailer, Niklas Krupka, Florian Ruiz, Caroline Pot, and **Oliver Pabst**. “The oxysterol receptor GPR183 in inflammatory bowel diseases”. In: *British journal of pharmacology. BJP online* 178.16 (2021), pp. 3140–3156. doi: 10.1111/bph.15311.
- [48] Sofia Monteiro, Josephine Grandt, Frank Erhard Uschner, Nina Kimer, Jan Lysgård Madsen, Robert Schierwagen, Sabine Klein, Christoph Welsch, Liliana Schäfer, Christian Jansen, Joan Claria, José Alcaraz-Quiles, Vicente Arroyo, Richard Moreau, Javier Fernandez, Flemming Bendtsen, Gautam Mehta, Lise Lotte Gluud, Søren Møller, Michael Praktiknjo, and **Jonel Trebicka**. “Differential inflammasome activation predisposes to acute-on-chronic liver failure in human and experimental cirrhosis with and without previous decompensation”. In: *Gut* 70 (2021), pp. 379–387. doi: 10.1136/gutjnl-2019-320170.

- [49] Jana C. Mossanen, Tobias U. Jansen, Jessica Pracht, Anke Liepelt, Lukas Bündgens, Christian Stoppe, Andreas Goetzenich, Tim-Philipp Simon, Rüdiger Autschbach, Gernot Marx, and **Frank Tacke**. “Elevated circulating CD14<sup>+</sup>CD16<sup>+</sup> intermediate monocytes are independently associated with extracardiac complications after cardiac surgery”. In: *Scientific reports* 10 (2020), p. 947. DOI: 10.1038/s41598-020-57700-9.
- [50] Moritz Muschaweck, Lydia Kopplin, Fabio Ticconi, **Angela Schippers**, Aida Iljazovic, Eric J. C. Gálvez, Ali T. Abdallah, **Norbert Wagner**, Ivan G. Costa, Till Strowig, and **Oliver Pabst**. “Cognate recognition of microbial antigens defines constricted CD4<sup>+</sup> T cell receptor repertoires in the inflamed colon”. In: *Immunity* 54.11 (2021), 2565–2577.e6. DOI: 10.1016/j.immuni.2021.08.014.
- [51] **Oliver Pabst** and Ana Izcue. “Secretory IgA: controlling the gut microbiota”. In: *Nature reviews / Gastroenterology & hepatology* - (2021), pp. -. DOI: 10.1038/s41575-021-00563-w.
- [52] **Oliver Pabst** and Emma Slack. “IgA and the intestinal microbiota. The importance of being specific”. In: *Mucosal immunology* 13.1 (2020), pp. 12–21. DOI: 10.1038/s41385-019-0227-4.
- [53] Moritz Peiseler and **Frank Tacke**. “An Unexpected Line of Defense. Hepatoprotective Eosinophils in Ischemia-Reperfusion Injury”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 74.5 (2021), pp. 2888–2890. DOI: 10.1002/hep.31895.
- [54] Moritz Peiseler and **Frank Tacke**. “Inflammatory Mechanisms Underlying Nonalcoholic Steatohepatitis and the Transition to Hepatocellular Carcinoma”. In: *Cancers* 13.4 (2021), p. 730. DOI: 10.3390/cancers13040730.
- [55] Fátima C. Pereira, Kenneth Wasmund, Iva Cobankovic, Nico Jehmlich, Craig W. Herbold, Kang Soo Lee, Barbara Sziranyi, Cornelia Vesely, Thomas Decker, Roman Stocker, Benedikt Warth, **Martin von Bergen**, Michael Wagner, and David Berry. “Rational design of a microbial consortium of mucosal sugar utilizers reduces *Clostridiodes difficile* colonization”. In: *Nature Communications* 11 (2020), p. 5104. DOI: 10.1038/s41467-020-18928-1.
- [56] Robert Pieper, Niels van Best, Kira van Vorst, Friederike Ebner, Monika Reissmann, **Mathias W. Hornef**, and Marcus Fulde. “Toward a porcine in vivo model to analyze the pathogenesis of TLR5-dependent enteropathies”. In: *Gut microbes* 12.1 (2020), p. 1782163. DOI: 10.1080/19490976.2020.1782163.
- [57] Tobias Puengel, Steve De Vos, Jana Hundertmark, Marlene Kohlhepp, **Nurdan Guldiken**, Philippe Pujuguet, Marielle Auberval, Florence Marsais, Kenji F. Shoji, Laurent Saniere, **Christian Trautwein**, **Tom Lüdde**, **Pavel Strnad**, Reginald Brys, Philippe Clément-Lacroix, and **Frank Tacke**. “The Medium-Chain Fatty Acid Receptor GPR84 Mediates Myeloid Cell Infiltration Promoting Steatohepatitis and Fibrosis”. In: *Journal of Clinical Medicine* 9.4 (2020), p. 1140. DOI: 10.3390/jcm9041140.
- [58] Tobias Puengel and **Frank Tacke**. “Editorial: prevalence, progression rates and mortality predictors of non-alcoholic fatty liver disease reflected by German statutory health insurance data”. In: *Alimentary pharmacology & therapeutics* 52.8 (2020), pp. 1412–1413. DOI: 10.1111/apt.16077.
- [59] Alexander Queck, Hannah Bode, Frank E. Uschner, Maximilian J. Brol, Christiana Graf, Martin Schulz, Christian Jansen, Michael Praktijnjo, Robert Schierwagen, Sabine Klein, **Christian Trautwein**, Hermann E. Wasmuth, **Marie-Luise Berres**, **Jonel Trebicka**, and Jennifer Lehmann. “Systemic MCP-1 Levels Derive Mainly From Injured Liver and Are Associated With Complications in Cirrhosis”. In: *Frontiers in immunology* 11 (2020), p. 354. DOI: 10.3389/fimmu.2020.00354.
- [60] Alexander Queck, Dominique Thomas, Christian Jansen, Yannick Schreiber, Sabrina Rüschenbaum, Michael Praktijnjo, Katharina Maria Schwarzkopf, Marcus Maximilian Mücke, Robert Schierwagen, Frank Erhard Uschner, Carsten Meyer, Joan Clària, Stefan Zeuzem, Gerd Geisslinger, **Jonel Trebicka**, and Christian Markus Lange. “Pathophysiological role of prostanoids in coagulation of the portal venous system in liver cirrhosis”. In: *PLOS ONE* 14.10 (2019), e0222840. DOI: 10.1371/journal.pone.0222840.
- [61] Alexander Queck, Frank E. Uschner, Philip G. Ferstl, Martin Schulz, Maximilian J. Brol, Michael Praktijnjo, Robert Schierwagen, Sabine Klein, Christian P. Strassburg, Carsten Meyer, Christian Jansen, **Marie-Luise Berres**, and **Jonel Trebicka**. “Role of circulating angiogenin levels in portal hypertension and TIPS”. In: *PLOS ONE* 16.8 (2021), e0256473. DOI: 10.1371/journal.pone.0256473.
- [62] Katharina C. Reimer, Alexander Wree, Christoph Roderburg, and **Frank Tacke**. “New drugs for NAFLD. Lessons from basic models to the clinic”. In: *Hepatology international* 14.1 (2020), pp. 8–23. DOI: 10.1007/s12072-019-10001-4.

- [63] Sandra Reitmeier, Thomas C. A. Hitch, Nicole Treichel, Nikolaos Fikas, Bela Hausmann, Amanda E. Ramer-Tait, Klaus Neuhaus, David Berry, Dirk Haller, Ilias Lagkouvardos, and **Thomas Clavel**. “Handling of spurious sequences affects the outcome of high-throughput 16S rRNA gene amplicon profiling”. In: *ISME communications* 1.1 (2021), p. 31. DOI: 10.1038/s43705-021-00033-z.
- [64] Ambre Riba, Kasra Hassani, Alesia Walker, Niels van Best, Dunja von Zeschwitz, Teresa Anslinger, Nina Sillner, Stefanie Rosenhain, Daniel Eibach, Oumou Maiga-Ascofaré, Ulrike Rolle-Kampczyk, Marijana Basic, Anne Binz, Sabine Mocek, Beate Sodeik, Rudolf Bauerfeind, Antje Mohs, **Christian Trautwein**, **Fabian Kießling**, Jürgen May, Martin Klingenspor, **Felix Gremse**, Philippe Schmitt-Kopplin, André Bleich, Natalia Torow, **Martin von Bergen**, and **Mathias W. Hornef**. “Disturbed gut microbiota and bile homeostasis in Giardia-infected mice contributes to metabolic dysregulation and growth impairment”. In: *Science translational medicine* 12.565 (2020), eaay7019. DOI: 10.1126/scitranslmed.aay7019.
- [65] Christoph Roderburg, Alexander Wree, Münevver Demir, Moritz Schmelzle, and **Frank Tacke**. “The role of the innate immune system in the development and treatment of hepatocellular carcinoma”. In: *Hepatic Oncology* 7.1 (2020), 11 Seiten. DOI: 10.2217/hep-2019-0007.
- [66] Siyer Roohani and **Frank Tacke**. “Liver Injury and the Macrophage Issue. Molecular and Mechanistic Facts and Their Clinical Relevance”. In: *International journal of molecular sciences* 22.14 (2021), p. 7249. DOI: 10.3390/ijms22147249.
- [67] Robert Schierwagen, Peter Dietrich, Sabine Klein, Frank Erhard Uschner, Cristina Ortiz, Olaf Tyc, Sandra Torres, Claus Hellerbrand, Tilman Sauerbruch, and **Jonel Trebicka**. “ $\beta$ -Arrestin2 is increased in liver fibrosis in humans and rodents”. In: *Proceedings of the National Academy of Sciences of the United States of America* 117.44 (2020), pp. 27082–27084. DOI: 10.1073/pnas.2014337117.
- [68] Robert Schierwagen, Frank E. Uschner, Cristina Ortiz, Sandra Torres, Max J. Brol, Olaf Tyc, Wenyi Gu, Christian Grimm, Stefan Zeuzem, Andreas Plamper, Philipp Pfeifer, Sebastian Zimmer, Christoph Welsch, Liliana Schaefer, Karl P. Rheinwald, Joan Clària, Vicente Arroyo, **Jonel Trebicka**, and Sabine Klein. “The Role of Macrophage-Inducible C-Type Lectin in Different Stages of Chronic Liver Disease”. In: *Frontiers in immunology* 11 (2020), p. 1352. DOI: 10.3389/fimmu.2020.01352.
- [69] **Angela Schippers**, Jessica Hübel, Felix Heymann, Thomas Clahsen, Sreepadha Eswaran, Sarah Schlepütz, Robin Püllen, Nikolaus Gaßler, Klaus Tenbrock, **Frank Tacke**, and **Norbert Wagner**. “MAdCAM-1/ $\alpha$ 4 $\beta$ 7 Integrin-Mediated Lymphocyte/Endothelium Interactions Exacerbate Acute Immune-Mediated Hepatitis in Mice”. In: *Cellular and Molecular Gastroenterology and Hepatology* 11.4 (2021), 1227–1250.e1. DOI: 10.1016/j.jcmgh.2020.12.003.
- [70] Carolin Victoria Schneider, Moritz Kleinjans, Malin Fromme, Kai Markus Schneider, and **Pavel Strnad**. “Phenome-wide association study in adult coeliac disease. Role of HLA subtype”. In: *Alimentary pharmacology & therapeutics* 53.4 (2021), pp. 510–518. DOI: 10.1111/apt.16206.
- [71] Kai Markus Schneider, Carsten Elfers, Ahmed Ghallab, Carolin Victoria Schneider, Eric J. C. Galvez, Antje Mohs, Wenfang Gui, Lena Susanna Candels, Theresa Wirtz, Sebastian Zuehlke, Michael Spiteller, Maiju Myllys, Alain Roulet, Amirouche Ouzerdine, Benjamin Lelouvier, Konrad Kilic, Lijun Liao, Anika Nier, Eicke Latz, Ina Bergheim, Christoph A. Thaiss, Jan G. Hengstler, Till Strowig, and **Christian Trautwein**. “Intestinal Dysbiosis Amplifies Acetaminophen-Induced Acute Liver Injury”. In: *Cellular and Molecular Gastroenterology and Hepatology* 11.4 (2021), pp. 909–933. DOI: 10.1016/j.jcmgh.2020.11.002.
- [72] Katharina Maria Schwarzkopf, Larissa Eberle, Frank Erhard Uschner, Sabine Klein, Robert Schierwagen, Marcus Maximilian Mücke, Liliana Schaefer, Joan Clària, Stefan Zeuzem, Edith Hintermann, Urs Christen, Christian Markus Lange, **Jonel Trebicka**, and Christoph Welsch. “Interleukin-22 in acute-on-chronic liver failure: A matter of ineffective levels, receptor dysregulation or defective signalling?” In: *Journal of hepatology* 73.4 (2020), pp. 980–982. DOI: 10.1016/j.jhep.2020.05.012.
- [73] Claudia Seikrit and **Oliver Pabst**. “The immune landscape of IgA induction in the gut”. In: *Seminars in immunopathology* 43.5 (2021), pp. 627–637. DOI: 10.1007/s00281-021-00879-4.

- [74] Theresa Streidl, Isabel Karkossa, Rafael R. Segura Muñoz, Claudia Eberl, Alex Zaufel, Johannes Plagge, Robert Schmaltz, Kristin Schubert, Marijana Basic, Kai Markus Schneider, Mamdouh Afify, **Christian Trautwein**, René H. Tolba, Bärbel Stecher, Heidi L. Doden, Jason M. Ridlon, Josef Ecker, Tarek Moustafa, **Martin von Bergen**, Amanda E. Ramer-Tait, and **Thomas Clavel**. “The gut bacterium *Extibacter muris* produces secondary bile acids and influences liver physiology in gnotobiotic mice”. In: *Gut microbes* 13.1 (2021), pp. 1–21. doi: 10.1080/19490976.2020.1854008.
- [75] Salvatore Sutti, Stefania Bruzzi, Felix Heymann, Anke Liepelt, Oliver Krenkel, Alberto Toscani, Naresh Ramavath, Diego Cotella, Emanuele Albano, and **Frank Tacke**. “CX3CR1 Mediates the Development of Monocyte-Derived Dendritic Cells during Hepatic Inflammation”. In: *Cells. Open access journal* 8.9 (2019), p. 1099. doi: 10.3390/cells8091099.
- [76] **Frank Tacke** and Ralf Weiskirchen. “Non-alcoholic fatty liver disease (NAFLD)/non-alcoholic steatohepatitis (NASH)-related liver fibrosis. Mechanisms, treatment and prevention”. In: *Annals of translational medicine* 9.8 (2021), p. 729. doi: 10.21037/atm-20-4354.
- [77] Maja Thiele, Mie Balle Hugger, Yongsoo Kim, Pierre-Emmanuel Rautou, Laure Elkrief, Christian Jansen, Wim Verlinden, Giulia Allegretti, Mads Israelsen, Horia Stefanescu, Fabio Piscaglia, Juan Carlos García-Pagán, Sven Franque, Annalisa Berzigotti, Laurent Castera, Woo Kyoung Jeong, **Jonel Trebicka**, and Aleksander Krag. “2D shear wave liver elastography by aixplorer to detect portal hypertension in cirrhosis: an individual patient data meta-analysis”. In: *Liver international* 40.6 (2020), pp. 1435–1446. doi: 10.1111/liv.14439.
- [78] Sandra Torres, Zeinab Abdullah, Maximilian J. Brol, Claus Hellerbrand, Mercedes Fernandez, Romina Fiorotto, Sabine Klein, Philipp Königshofer, **Christian Liedtke**, Sophie Lotersztajn, **Yulia A. Nevzorova**, Robert Schierwagen, Thomas Reiberger, Frank Erhard Uschner, **Frank Tacke**, Ralf Weiskirchen, and **Jonel Trebicka**. “Recent Advances in Practical Methods for Liver Cell Biology. A Short Overview”. In: *International journal of molecular sciences* 21.6 (2020), p. 2027. doi: 10.3390/ijms21062027.
- [79] Sandra Torres, Maximilian J. Brol, Fernando Magdaleno, Robert Schierwagen, Frank E. Uschner, Sabine Klein, Cristina Ortiz, Olaf Tyc, Nadine Bachtler, James Stunden, Damien Bertheloot, Ana Kitanovic, Brian Sanchez, Jacob Schrum, William R. Roush, Luigi Franchi, Kate Byth, Eicke Latz, and **Jonel Trebicka**. “The Specific NLRP3 Antagonist IFM-514 Decreases Fibrosis and Inflammation in Experimental Murine Non-Alcoholic Steatohepatitis”. In: *Frontiers in molecular biosciences* 8 (2021), p. 715765. doi: 10.3389/fmolb.2021.715765.
- [80] **Jonel Trebicka**, Peer Bork, Aleksander Krag, and Manimozhiyan Arumugam. “Utilizing the gut microbiome in decompensated cirrhosis and acute-on-chronic liver failure”. In: *Nature reviews / Gastroenterology & hepatology* 18.3 (2021), pp. 167–180. doi: 10.1038/s41575-020-00376-3.
- [81] **Jonel Trebicka**, Jane Macnaughtan, Bernd Schnabl, Debbie L. Shawcross, and Jasmohan S. Bajaj. “The microbiota in cirrhosis and its role in hepatic decompensation”. In: *Journal of hepatology* 75.Supplement 1 (2021), S67–S81. doi: 10.1016/j.jhep.2020.11.013.
- [82] Jessica Voss, Carolin Victoria Schneider, Moritz Kleinjans, **Tony Bruns**, **Christian Trautwein**, and **Pavel Strnad**. “Hepatobiliary phenotype of individuals with chronic intestinal disorders”. In: *Scientific reports* 11 (2021), p. 19954. doi: 10.1038/s41598-021-98843-7.
- [83] Camille Wagner, Natalia Torow, **Mathias W. Hornef**, and Hugues Lelouard. “Spatial and temporal key steps in early-life intestinal immune system development and education”. In: *The FEBS journal* (2021). doi: 10.1111/febs.16047.
- [84] Yankai Wen, Joeri Lambrecht, Cynthia Ju, and **Frank Tacke**. “Hepatic macrophages in liver homeostasis and diseases-diversity, plasticity and therapeutic opportunities”. In: *Cellular & molecular immunology* 18.1 (2021), pp. 45–56. doi: 10.1038/s41423-020-00558-8.
- [85] Theresa Wirtz, Lukas Buendgens, Ralf Weiskirchen, Sven H. Loosen, Nina Haehnsen, Tobias Puengel, Samira Abu Jhaisha, Jonathan F. Brozat, Philipp Hohlstein, Ger Koek, Albrecht Eisert, Raphael Mohr, Christoph Roderburg, **Tom Lüdde**, **Christian Trautwein**, **Frank Tacke**, and Alexander Koch. “Association of Serum Calprotectin Concentrations with Mortality in Critically Ill and Septic Patients”. In: *Diagnostics. Open access journal* 10.11 (2020). doi: 10.3390/diagnostics10110990.

- [86] Theresa Wirtz, Sven H. Loosen, Lukas Buendgens, Berkan Kurt, Samira Abu Jhaisha, Philipp Hohlstein, Jonathan F. Brozat, Ralf Weiskirchen, **Tom Lüdde**, **Frank Tacke**, **Christian Trautwein**, Christoph Roderburg, and Alexander Koch. “Low Myostatin Serum Levels Are Associated with Poor Outcome in Critically Ill Patients”. In: *Diagnostics: open access journal* 10.8 (2020). DOI: 10.3390/diagnostics10080574.
- [87] Theresa Wirtz, Philipp A. Reuken, Christian Jansen, Petra Fischer, Irina Bergmann, Christina Backhaus, Christoph Emontzpohl, Johanna Reißing, Elisa Fabiana Brandt, M. Teresa Koenen, Kai M. Schneider, Robert Schierwagen, Maximilian J. Brol, Johannes Chang, Henning W. Zimmermann, Nilay Köse-Vogel, Thomas Eggermann, Ingo Kurth, Christian Stoppe, Richard Bucala, Jürgen Bernhagen, Michael Praktiknjo, Andreas Stallmach, **Christian Trautwein**, **Jonel Trebicka**, **Tony Bruns**, and **Marie-Luise Berres**. “Balance between macrophage migration inhibitory factor and sCD74 predicts outcome in patients with acute decompensation of cirrhosis”. In: *JHEP reports* 3.2 (2021), p. 100221. DOI: 10.1016/j.jhepr.2020.100221.
- [88] Theresa Wirtz, Alena Saal, Irina Bergmann, Petra Fischer, Daniel Heinrichs, Elisa Fabiana Brandt, Maria Teresa Koenen, Sonja Djudjaj, Kai Markus Schneider, Peter Boor, Richard Bucala, Ralf Weiskirchen, Jürgen Bernhagen, **Christian Trautwein**, and **Marie-Luise Berres**. “Macrophage migration inhibitory factor exerts pro-proliferative and anti-apoptotic effects via CD74 in murine hepatocellular carcinoma”. In: *British journal of pharmacology* 178.22 (2021), pp. 4452–4467. DOI: 10.1111/bph.15622.
- [89] Jinyang Zeng-Brouwers, Sony Pandey, **Jonel Trebicka**, Malgorzata Wygrecka, and Liliana Schaefer. “Communications via the Small Leucine-rich Proteoglycans: Molecular Specificity in Inflammation and Autoimmune Diseases”. In: *Journal of histochemistry & cytochemistry* 68.12 (2020), pp. 887–906. DOI: 10.1369/0022155420930303.
- [90] Simin Zuo, Wa’el Al Rawashdeh, Stefanie Rosenhain, Zuzanna Magnuska, Yamoah Grace Gyamfuah, **Fabian Kießling**, and **Felix Gremse**. “Mixing Matrix-corrected Whole-body Pharmacokinetic Modeling Using Longitudinal Micro-computed Tomography and Fluorescence-mediated Tomography”. In: *Molecular imaging & biology* (2021). DOI: 10.1007/s11307-021-01623-y.