

Publication list of crc1382

April 21, 2026 (12:06)

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References

- [1] Samira Abu Jhaisha, Philipp Hohlstein, Eray Yagmur, Vera Köller, Maike Pollmanns, Jule K. Adams, **Theresa Wirtz**, Jonathan Frederik Brozat, Lukas Bündgens, Karim Hamesch, Ralf Weiskirchen, **Frank Tacke**, **Christian Trautwein**, and Alexander Koch. “Soluble Semaphorin 4D Serum Concentrations Are Elevated in Critically Ill Patients with Liver Cirrhosis and Correlate with Aminotransferases”. In: *Diagnostics. Open access journal* 14.4 (2024), p. 370. DOI: 10.3390/diagnostics14040370. URL: <https://publications.rwth-aachen.de/record/981990>.
- [2] Afrizal Afrizal, Susan A. V. Jennings, Thomas C. A. Hitch, Thomas Riedel, Marijana Basic, Atscharah Panyot, Nicole Treichel, Fabian Tobias Hager, Erin Oi-Yan Wong, Birger Wolter, Alina Viehof, Alexandra von Stempel, Claudia Eberl, Eva Miriam Buhl, Birte Abt, André Bleich, René H. Tolba, **Lars Mathias Blank**, William W. Navarre, **Fabian Kießling**, Hans-Peter Horz, Natalia Torow, **Vuk Cerovic**, Bärbel Stecher, Till Strowig, Jörg Overmann, and **Thomas Clavel**. “Enhanced cultured diversity of the mouse gut microbiota enables custom-made synthetic communities”. In: *Cell host and microbe* 30.11 (2022), 1630–1645.e25. DOI: 10.1016/j.chom.2022.09.011. URL: <https://publications.rwth-aachen.de/record/854345>.
- [3] Paul Tetteh Asare, Chi-Hsien Lee, Vera Hürlimann, Youzheng Teo, Aline Cuénod, Nermin Akduman, Cordula Gekeler, Afrizal Afrizal, Myriam Corthesy, Claire Kohout, Vincent Thomas, Tomas de Wouters, Gilbert Greub, **Thomas Clavel**, Eric G. Pamer, Adrian Egli, Lisa Maier, and Pascale Vonaesch. “A MALDI-TOF MS library for rapid identification of human commensal gut bacteria from the class Clostridia”. In: *Frontiers in microbiology* 14 (2023), p. 1104707. DOI: 10.3389/fmicb.2023.1104707. URL: <https://publications.rwth-aachen.de/record/983108>.
- [4] Stephen Rahul Atkinson, Mahmoud Aly, Katharina Remih, Luke David Tyson, **Nurdan Guldiken**, Robert Goldin, Alberto Quaglia, Mark Thursz, and **Pavel Strnad**. “Serum keratin 19 (CYFRA21-1) is a prognostic biomarker in severe alcoholic hepatitis”. In: *Liver international* 42.5 (2022), pp. 1049–1057. DOI: 10.1111/liv.15218. URL: <https://publications.rwth-aachen.de/record/842994>.
- [5] Ümran Ay. “Enterohepatic circulation of microbial bile salt conjugates and their interaction with human bile salt receptors”. PhD thesis. Aachen: RWTH Aachen University, 2025, 1 Online-Ressource : Illustrationen. DOI: 10.18154/RWTH-2025-03224. URL: <https://publications.rwth-aachen.de/record/1008893>.
- [6] Ümran Ay, Martin Lenicek, Arno Classen, **Steven W. M. Olde Damink**, Carsten Bolm, and **Frank G. Schaap**. “New Kids on the Block. Bile Salt Conjugates of Microbial Origin”. In: *Metabolites. Open access journal* 12.2 (2022), p. 176. DOI: 10.3390/metabo12020176. URL: <https://publications.rwth-aachen.de/record/842081>.
- [7] Ümran Ay, Martin Leníček, Raphael S. Haider, Arno Classen, Hans van Eijk, Kiran V. K. Koelfat, Gregory van der Kroft, **Ulf Peter Neumann**, Carsten Hoffmann, Carsten Bolm, **Steven W. M. Olde Damink**, and **Frank G. Schaap**. “Microbially conjugated bile salts found in human bile activate the bile salt receptors TGR5 and FXR”. In: *Hepatology communications* 8.4 (2024), e0383. DOI: 10.1097/HCC9.0000000000000383. URL: <https://publications.rwth-aachen.de/record/1007169>.

- [8] Anshu Babbar, Thomas C. A. Hitch, **Oliver Pabst**, **Thomas Clavel**, Jessica Hübel, Sreepadha 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. URL: <https://publications.rwth-aachen.de/record/782496>.
- [9] Nadine Bachtler, Sandra Torres, Cristina Ortiz, Robert Schierwagen, Olaf Tyc, Christoph Hieber, **Marie-Luise Berres**, Caroline Meier, Nico Kraus, Stefan Zeuzem, Bart Nijmeijer, Sebas Pronk, **Jonel Trebicka**, and Sabine Klein. “The non-selective Rho-kinase inhibitors Y-27632 and Y-33075 decrease contraction but increase migration in murine and human hepatic stellate cells”. In: *PLOS ONE* 18.1 (2023), pp. 1–15. DOI: 10.1371/journal.pone.0270288. URL: <https://publications.rwth-aachen.de/record/982736>.
- [10] Giulia Ilaria Bagarolo, Shruti Bhargava, Robert Schierwagen, Wenyi Gu, Vera Jankowski, Josefin Soppert, **Emona Barzakova**, Federica Cascone, Olaf Tyc, **Christiane K. Kuhl**, **Heidi Noels**, **Jonel Trebicka**, and **Joachim Jankowski**. “Alterations of the peptidomic composition of peripheral plasma after portal hypertension correction by transjugular intrahepatic portosystemic shunt”. In: *npj gut and liver* 1.1 (2024), p. 2. DOI: 10.1038/s44355-024-00001-z. URL: <https://publications.rwth-aachen.de/record/988173>.
- [11] 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. URL: <https://publications.rwth-aachen.de/record/828360>.
- [12] Lorenz Balcar, Malin Fromme, Naomi Kappe, Benedikt Schaefer, Soňa Fraňková, Lukas van Melkebeke, Jan Stolk, Mathias Jachs, Georg Semmler, Benedikt S. Hofer, Tammo L. Tergast, Hannah Rieland, Anna Sophie Karl, Jan Sperl, Martin Wagner, Mònica Pons, Harald Hofer, Markus Peck-Radosavljevic, Michael Trauner, Thomas Reiberger, Benjamin Maasoumy, Heinz Zoller, Bart van Hoek, Jef Verbeek, **Pavel Strnad**, and Mattias Mandorfer. “Severe alpha-1 antitrypsin deficiency is associated with a higher risk of complications after first decompensation than other aetiologies of cirrhosis”. In: *JHEP reports* 7.6 (2025), p. 101398. DOI: 10.1016/j.jhepr.2025.101398. URL: <https://publications.rwth-aachen.de/record/1019325>.
- [13] Simona Bartimoccia, Michael Praktijnjo, Cristina Nocella, Robert Schierwagen, Vittoria Cammisotto, Christian Jansen, Luca Cristiano, Valentina Castellani, Johannes Chang, Roberto Carnevale, Sofia Maiucci, Frank Erhard Uschner, Pasquale Pignatelli, Maximilian Joseph Brol, **Jonel Trebicka**, and Francesco Violi. “Association between endotoxemia and blood no in the portal circulation of cirrhotic patients: results of a pilot study”. In: *Internal and emergency medicine* 19.3 (2024), pp. 713–720. DOI: 10.1007/s11739-024-03534-6. URL: <https://publications.rwth-aachen.de/record/980393>.
- [14] 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. URL: <https://publications.rwth-aachen.de/record/803964>.
- [15] Ferhan Baskaya, Teresa Lemainque, Barbara M. Klinkhammer, Susanne Koletnik, Saskia von Stillfried, Steven R. Talbot, Peter Boor, Volkmar Adolf Schulz, **Wiltrud Lederle**, and **Fabian Kießling**. “Patho-physiologic Mapping of Chronic Liver Diseases With Longitudinal Multiparametric MRI in Animal Models”. In: *Investigative radiology* 59.10 (2024), pp. 699–710. DOI: 10.1097/RLI.0000000000001075. URL: <https://publications.rwth-aachen.de/record/984570>.
- [16] Svea Becker, Jeffrey Momoh, Ilaria Biancacci, Diana Möckel, Qingbi Wang, Jan-Niklas May, Huan Su, **Lena Susanna Candels**, **Marie-Luise Berres**, **Fabian Kießling**, **Maximilian Hatting**, Twan Lammers, and **Christian Trautwein**. “Intermittent Fasting Primes the Tumor Microenvironment and Improves Nanomedicine Delivery in Hepatocellular Carcinoma”. In: *Small. Nano micro* 19.43 (2023), p. 2208042. DOI: 10.1002/sml.202208042. URL: <https://publications.rwth-aachen.de/record/982715>.
- [17] Anika Beckers. “Dendritic cells as cellular targets of gut-liver communication in chronic liver disease and hepatocellular carcinogenesis”. PhD thesis. Aachen: RWTH Aachen University, 2025, 1 Online-Ressource : Illustrationen. DOI: 10.18154/RWTH-2025-08313. URL: <https://publications.rwth-aachen.de/record/1019294>.

- [18] Jan Bednarsch, Zoltan Czigany, Lara R. Heij, Iakovos Amygdalos, Daniel Heise, Philip Bruners, Tom F. Ulmer, **Ulf Peter Neumann**, and Sven A. Lang. “The role of re-resection in recurrent hepatocellular carcinoma”. In: *Langenbeck’s archives of surgery* 407.6 (2022), pp. 2381–2391. DOI: 10.1007/s00423-022-02545-1. URL: <https://publications.rwth-aachen.de/record/847208>.
- [19] Jan Bednarsch, Zoltan Czigany, Sven Loosen, Lara Heij, Lorenz Ruckgaber, Henning Maes, Jan-Pit Krause, Matthias Werner Reen, Beata Toteva, Theresa Katharina Vosdellen, Philipp Bruners, Sven Arke Lang, Tom Florian Ulmer, Christoph Roderburg, **Tom Lüdde**, and **Ulf Peter Neumann**. “Perioperative rifaximin is not associated with enhanced functional and volumetric recovery after major liver resection”. In: *Scientific reports* 11.1 (2021), p. 17936. DOI: 10.1038/s41598-021-97442-w. URL: <https://publications.rwth-aachen.de/record/846344>.
- [20] Samuel Bellais, Mélanie Nehlich, Maryne Ania, Aurore Duquenoy, Wilfrid Mazier, Ger van den Engh, Jan Baijer, Nicole Treichel, **Thomas Clavel**, Ilia Belotserkovsky, and Vincent Thomas. “Species-targeted sorting and cultivation of commensal bacteria from the gut microbiome using flow cytometry under anaerobic conditions”. In: *Microbiome* 10.1 (2022), p. 24. DOI: 10.1186/s40168-021-01206-7. URL: <https://publications.rwth-aachen.de/record/841321>.
- [21] Karina Benderski, Paul Schneider, Panayiotis Kordeves, Michael Fichter, Jenny Schunke, Federica De Lorenzi, Feyza Durak, Barbara Schrörs, Özlem Akilli, **Fabian Kießling**, Matthias Bros, Mustafa Diken, Stephan Grabbe, Jörn M. Schattenberg, Twan Lammers, Alexandros Marios Sofias, and Leonard Kaps. “A hepatocellular carcinoma model with and without parenchymal liver damage that integrates technical and pathophysiological advantages for therapy testing”. In: *Pharmacological research* 211 (2025), p. 107560. DOI: 10.1016/j.phrs.2024.107560. URL: <https://publications.rwth-aachen.de/record/1003271>.
- [22] Raquel Benedé-Ubieto, Olga Estévez-Vázquez, Rana Acar, Hector Leal-Lassalle, Alejandro H. Gutierrez, Ana Redondo-Urzainqui, Salvador Iborra, Vera E. Odintsova, Alexander Tyakht, José María Herranz, Zehra Firat, Merve Basol, Busra Korkmaz, Carlos Sanz-García, Oriol Juanola, Esther Caparrós, Rubén Francés, Andreea Ciudin, Juan M. Pericàs, Beatriz Gómez-Santos, Patricia Aspichueta, Nicole Treichel, **Thomas Clavel**, Johanna Reißing, **Tony Bruns**, Matthias Bartneck, Marina S. Mazariegos, Justina Clarinda Wolters, Gonzalo Jorquera, **Christian Liedtke**, Javier Vaquero, Rafael Bañares, Gulcin Cakan-Akdogan, Matias A. Ávila, Ozlen Konu, Francisco Javier Cubero, and **Yulia A. Nevzorova**. “Alcohol consumption in metabolic dysfunction-associated steatotic liver disease (MASLD): understanding the gut–liver crosstalk for clinical translation”. In: *Gut microbes* 18.1 (2026), p. 2631834. DOI: 10.1080/19490976.2026.2631834. URL: <https://publications.rwth-aachen.de/record/1030183>.
- [23] Raquel Benedé-Ubieto, Olga Estévez-Vázquez, Feifei Guo, Chaobo Chen, Youvika Singh, Helder I. Nakaya, Manuel Gómez Del Moral, Arantza Lamas-Paz, Laura Morán, Nuria López-Alcántara, Johanna Reissing, **Tony Bruns**, Matías A. Avila, Eva Santamaría, Marina S. Mazariegos, Marius Maximilian Voitok, Ute Haas, Kang Zheng, Ignacio Juárez, José Manuel Martín-Villa, Iris Asensio, Javier Vaquero, Maria Isabel Peligros, Josepmaria Argemi, Ramón Bataller, Javier Ampuero, Manuel Romero Gómez, **Christian Trautwein**, **Christian Liedtke**, Rafael Bañares, Francisco Javier Cubero, and **Yulia A. Nevzorova**. “An Experimental DUAL Model of Advanced Liver Damage”. In: *Hepatology communications* 5.6 (2021), pp. 1051–1068. DOI: 10.1002/hep4.1698. URL: <https://publications.rwth-aachen.de/record/851417>.
- [24] 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. URL: <https://publications.rwth-aachen.de/record/813492>.
- [25] **Martin von Bergen**. *Danger signal initiates differentiation of monocytes into osteopontin-producing macrophages II (human)*. 2022. URL: <https://publications.rwth-aachen.de/record/1027089>.
- [26] **Martin von Bergen**. *Danger signal initiates differentiation of monocytes into osteopontin-producing macrophages III (human)*. 2022. URL: <https://publications.rwth-aachen.de/record/1027092>.
- [27] **Martin von Bergen**. *Project PXD026888*. 2022. URL: <https://publications.rwth-aachen.de/record/1027094>.

- [28] Martin Berger, Jaana-Sophia Kern, Ulrike Schulze-Späte, Stefan Wolfart, **Joachim Jankowski**, Michael Wolf, Nikolaus Marx, and Katharina Marx-Schütt. “Systemic inflammation is a risk factor for oral health: an analysis of data from the UK Biobank”. In: *Frontiers in immunology* 16 (2025), p. 1651947. DOI: 10.3389/fimmu.2025.1651947. URL: <https://publications.rwth-aachen.de/record/1026864>.
- [29] 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 (2020), p. 3692. DOI: 10.1038/s41467-020-17183-8. URL: <https://publications.rwth-aachen.de/record/793496>.
- [30] 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. URL: <https://publications.rwth-aachen.de/record/812236>.
- [31] Sraddha S Bharadwaj. “Early intestinal neoplasia induces a local immunosuppressive environment through macrophage-regulatory T cell interactions”. PhD thesis. Aachen: RWTH Aachen University, 2025, 1 Online–Ressource : Illustrationen. DOI: 10.18154/RWTH-2025-08803. URL: <https://publications.rwth-aachen.de/record/1020150>.
- [32] Shruti Bhargava, Erik Merckelbach, **Heidi Noels**, Ashima Vohra, and **Joachim Jankowski**. “Homeostasis in the Gut Microbiota in Chronic Kidney Disease”. In: *Toxins* 14.10 (2022), p. 648. DOI: 10.3390/toxins14100648. URL: <https://publications.rwth-aachen.de/record/855075>.
- [33] Shruti Bhargava, Zhuangting Rao, Raymond Vanholder, **Frank Tacke**, **Heidi Noels**, Vera Jankowski, Juliane Hermann, and **Joachim Jankowski**. “The impact of gut-liver-derived mediators on the organ crosstalk with brain, heart, and kidney: A systematic review”. In: *Molecular metabolism* 103 (2026), p. 102295. DOI: 10.1016/j.molmet.2025.102295. URL: <https://publications.rwth-aachen.de/record/1022941>.
- [34] Ilaria Biancacci, Federica De Lorenzi, Benjamin Theek, Xiangyang Bai, Jan-Niklas May, Lorena Consolino, Maike Baues, Diana Moeckel, **Felix Gremse**, Saskia Stillfried, Asmaa El Shafei, Karina Benderski, Armin Azadkhan Shalmani, Alec Wang, Jeffrey Momoh, Quim Peña, Eva Miriam Buhl, Johannes Felix Buyel, Wim Hennink, **Fabian Kießling**, Josbert Metselaar, Yang Shi, and Twan Lammers. “Monitoring EPR Effect Dynamics during Nanotaxane Treatment with Theranostic Polymeric Micelles”. In: *Advanced science* (2022), p. 2103745. DOI: 10.1002/advs.202103745. URL: <https://publications.rwth-aachen.de/record/839980>.
- [35] 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. URL: <https://publications.rwth-aachen.de/record/813421>.
- [36] Lukas C. Bossert. “Mit »biber –tool« Bibliografieinträge bearbeiten”. In: *Die TEXnische Komödie* 2 (2020), pp. 24–33. DOI: 10.5281/zenodo.3784922. URL: <https://publications.rwth-aachen.de/record/788839>.
- [37] Elisa F. Brandt, Maike Baues, Theresa H. Wirtz, Jan-Niklas May, Petra Fischer, Anika Beckers, Björn-Carsten Schüre, Hacer Sahin, **Christian Trautwein**, Twan Lammers, and **Marie-Luise Berres**. “Chemokine CXCL10 Modulates the Tumor Microenvironment of Fibrosis-Associated Hepatocellular Carcinoma”. In: *International journal of molecular sciences* 23.15 (2022), p. 8112. DOI: 10.3390/ijms23158112. URL: <https://publications.rwth-aachen.de/record/861915>.
- [38] Jonathan F. Brozat, Elisa Fabiana Brandt, Myriam Stark, Petra Fischer, **Theresa Wirtz**, Alexander Flaßhove, Aaron N. Rodenhausen, Tanja Vajen, Alexandra C. A. Heinzmann, Sophia Marie-Therese Schmitz, Samira Abu Jhaisha, Anjali Anna Joy Röth, Rory R. Koenen, Hacer Sahin, **Christian Trautwein**, and **Marie-Luise Berres**. “JAM-A is a multifaceted regulator in hepatic fibrogenesis, supporting LSEC integrity and stellate cell quiescence”. In: *Liver international* 42.5 (2022), pp. 1185–1203. DOI: 10.1111/liv.15187. URL: <https://publications.rwth-aachen.de/record/844848>.

- [39] Jonathan F. Brozat, Frank Hanses, Martina Haelberger, Melanie Stecher, Michael Dreher, Lukas Tometten, Maria M. Ruethrich, Janne J. Vehreschild, **Christian Trautwein**, Stefan Borgmann, **Maria J. G. T. Vehreschild**, Carolin E. M. Jakob, Andreas Stallmach, Kai Wille, Kerstin Hellwig, Nora Isberner, Philipp A. Reuken, Fabian Geisler, Jacob Nattermann, **Tony Bruns**, and LEOSS study group. “COVID-19 mortality in cirrhosis is determined by cirrhosis-associated comorbidities and extrahepatic organ failure: Results from the multinational LEOSS registry”. In: *United european gastroenterology journal* 10.4 (2022), pp. 409–424. DOI: 10.1002/ueg2.12232. URL: <https://publications.rwth-aachen.de/record/848649>.
- [40] Jonathan Frederik Brozat, Neval Harbalioğlu, Philipp Hohlstein, Samira Abu Jhaisha, Maike Pollmanns, Jule K. Adams, **Theresa Wirtz**, Karim Hamesch, Eray Yagmur, Ralf Weiskirchen, **Frank Tacke**, **Christian Trautwein**, and Alexander Koch. “Elevated Serum KIM-1 in Sepsis Correlates with Kidney Dysfunction and the Severity of Multi-Organ Critical Illness”. In: *International journal of molecular sciences* 25.11 (2024), p. 5819. DOI: 10.3390/ijms25115819. URL: <https://publications.rwth-aachen.de/record/990059>.
- [41] Alix Bruneau, **Adrien Guillot**, and **Frank Tacke**. “Macrophages in cholangiopathies”. In: *Current opinion in gastroenterology* 38.2 (2022), pp. 114–120. DOI: 10.1097/MOG.0000000000000814. URL: <https://publications.rwth-aachen.de/record/855366>.
- [42] Alix Bruneau, Jana Hundertmark, **Adrien Guillot**, and **Frank Tacke**. “Molecular and Cellular Mediators of the Gut-Liver Axis in the Progression of Liver Diseases”. In: *Frontiers in medicine* 8 (2021), p. 725390. DOI: 10.3389/fmed.2021.725390. URL: <https://publications.rwth-aachen.de/record/855367>.
- [43] Alix Bruneau, Yaroslava Shevchenko, **Frank Tacke**, and Linda Hammerich. “A comprehensive 26-color immunophenotyping panel to study the role of the gut-liver axis in chronic liver diseases”. In: *Cytometry / Part B* 108.1 (2025), pp. 15–22. DOI: 10.1002/cyto.b.22203. URL: <https://publications.rwth-aachen.de/record/1003532>.
- [44] 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. URL: <https://publications.rwth-aachen.de/record/803962>.
- [45] Patrizia Burra, Alberto Zanetto, Bernd Schnabl, Thomas Reiberger, Aldo J. Montano-Loza, Rosanna Asselta, Tom Hemming Karlsen, and **Frank Tacke**. “Hepatic immune regulation and sex disparities”. In: *Nature reviews / Gastroenterology & hepatology* 21.12 (2024), pp. 869–884. DOI: 10.1038/s41575-024-00974-5. URL: <https://publications.rwth-aachen.de/record/1010376>.
- [46] Xiurong Cai, **Frank Tacke**, **Adrien Guillot**, and Hanyang Liu. “Cholangiokines: undervalued modulators in the hepatic microenvironment”. In: *Frontiers in immunology* 14 (2023), p. 1192840. DOI: 10.3389/fimmu.2023.1192840. URL: <https://publications.rwth-aachen.de/record/1010353>.
- [47] **Lena Susanna Candels**, Svea Becker, and **Christian Trautwein**. “PLA2G7: a new player in shaping energy metabolism and lifespan”. In: *Signal transduction and targeted therapy* 7.1 (2022), p. 195. DOI: 10.1038/s41392-022-01052-5. URL: <https://publications.rwth-aachen.de/record/849815>.
- [48] **Vuk Cerovic**, **Oliver Pabst**, and Allan McI Mowat. “The renaissance of oral tolerance: merging tradition and new insights”. In: *Nature reviews / Immunology* 25.1 (2024), pp. 42–56. DOI: 10.1038/s41577-024-01077-7. URL: <https://publications.rwth-aachen.de/record/993712>.
- [49] Xinwei Chang, Remon Korenblik, Bram Olij, Robrecht R. M. M. Knapen, Christiaan van der Leij, Daniel Heise, Marcel den Dulk, **Ulf Peter Neumann**, **Frank G. Schaap**, Ronald M. van Dam, and **Steven W. M. Olde Damink**. “Influence of cholestasis on portal vein embolization-induced hypertrophy of the future liver remnant”. In: *Langenbeck’s archives of surgery* 408 (2023), p. 54. DOI: 10.1007/s00423-023-02784-w. URL: <https://publications.rwth-aachen.de/record/888760>.
- [50] Shuai Chen, Qinghe Zeng, Xiurong Cai, Jiaming Xue, Guo Yin, Peng Song, Liming Tang, Christophe Klein, **Frank Tacke**, **Adrien Guillot**, and Hanyang Liu. “Multiomics analyses decipher intricate changes in the cellular and metabolic landscape of steatotic livers upon dietary restriction and sleeve gastrectomy”. In: *International journal of biological sciences* 20.11 (2024), pp. 4438–4457. DOI: 10.7150/ijbs.98362. URL: <https://publications.rwth-aachen.de/record/1010377>.

- [51] Yazhou Chen, Benjamin P. M. Laevens, Teresa Lemainque, Gustav Anton Müller-Franzes, Tobias Seibel, Carola Dlugosch, Jan Clusmann, Paul-Henry Koop, Rongpeng Gong, Yuanyuan Liu, Niharika Jakhar, Feng Cao, Simon Schophaus, Thriveni Basavanapura Raju, Anastasia Artemis Raptis, Felix van Haag, Joel Joy, Rohit Loomba, Luca Valenti, Jakob Nikolas Kather, Titus J. Brinker, Moritz Herzog, Ivan G. Costa, Diego Hernando, **Kai Markus Schneider**, Daniel Truhn, and **Carolin Victoria Schneider**. “Deep Learning Reveals Liver MRI Features Associated With PNPLA3 I148M in Steatotic Liver Disease”. In: *Liver international* 45.7 (2025), e70164. DOI: 10.1111/liv.70164. URL: <https://publications.rwth-aachen.de/record/1015938>.
- [52] Virginia C. Clark, Mark A. Price, Jon Russo, Rohit Loomba, Alice M. Turner, and **Pavel Strnad**. “Diagnosis and Monitoring Pathways Using Non-Invasive Tests in Patients With Alpha-1 Antitrypsin Deficiency-Associated Liver Disease: Results From an Expert Delphi Panel”. In: *United european gastroenterology journal* 13.8 (2025), pp. 1446–1455. DOI: 10.1002/ueg2.70009. URL: <https://publications.rwth-aachen.de/record/1019328>.
- [53] **Thomas Clavel**, Hans-Peter Horz, Nicola Segata, and **Maria J. G. T. Vehreschild**. “Next steps after 15 stimulating years of human gut microbiome research”. In: *Microbial biotechnology* 15.1 (2022), pp. 164–175. DOI: 10.1111/1751-7915.13970. URL: <https://publications.rwth-aachen.de/record/836462>.
- [54] Leticia Colyn, Gloria Alvarez-Sola, M. Ujue Latasa, Iker Uriarte, Jose M. Herranz, Maria Arechederra, George Vlachogiannis, Colin Rae, Antonio Pineda-Lucena, Andrea Casadei-Gardini, Federica Pedica, Luca Aldrighetti, Angeles López-López, Angeles López-González, Coral Barbas, Sergio Ciordia, Sebastian M. Van Liempd, Juan M. Falcón-Pérez, Jesus Urman, Bruno Sangro, Silve Vicent, Maria J. Iraburu, Felipe Prosper, Leonard J. Nelson, Jesus M. Banales, Maria Luz Martinez-Chantar, Jose J. G. Marin, Chiara Braconi, **Christian Trautwein**, Fernando J. Corrales, F. Javier Cubero, Carmen Berasain, Maite G. Fernandez-Barrena, and Matias A. Avila. “New molecular mechanisms in cholangiocarcinoma: signals triggering interleukin-6 production in tumor cells and KRAS co-opted epigenetic mediators driving metabolic reprogramming”. In: *Journal of experimental & clinical cancer research* 41 (2022), p. 183. DOI: 10.1186/s13046-022-02386-2. URL: <https://publications.rwth-aachen.de/record/848139>.
- [55] 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. URL: <https://publications.rwth-aachen.de/record/803969>.
- [56] 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 (2019), pp. 283–293. DOI: 10.1002/lt.25678. URL: <https://publications.rwth-aachen.de/record/834282>.
- [57] Yutang Dai, Carolina Victoria Cruz Junho, Luisa Schieren, Julia Wollenhaupt, Judith C. Sluimer, Emiel Petrus Carla van der Vorst, and **Heidi Noels**. “Cellular metabolism changes in atherosclerosis and the impact of comorbidities”. In: *Frontiers in cell and developmental biology* 12 (2024), p. 1446964. DOI: 10.3389/fcell.2024.1446964. URL: <https://publications.rwth-aachen.de/record/992092>.
- [58] 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. URL: <https://publications.rwth-aachen.de/record/786040>.
- [59] Katharina M. Detjen, Raik Otto, Yvonne Giesecke, Lukas Geisler, Pamela Riemer, Henning Jann, Carsten Grötzinger, Christine Sers, Andreas Pascher, **Tom Lüdde**, Ulf Leser, Bertram Wiedenmann, Michael Sigal, **Frank Tacke**, Christoph Roderburg, and Linda Hammerich. “Elevated Flt3L Predicts Long-Term Survival in Patients with High-Grade Gastroenteropancreatic Neuroendocrine Neoplasms”. In: *Cancers* 13.17 (2021), p. 4463. DOI: 10.3390/cancers13174463. URL: <https://publications.rwth-aachen.de/record/855672>.
- [60] Nour Diab, Eva-Lena Stange, Yong Chiun Huei, Jörg Deiwick, Mihael Vucur, **Tom Lüdde**, Michael Hensel, Natalia Torow, Kaiyi Zhang, and **Mathias W. Hornef**. “Phosphatase-independent suppression of mucosal inflammation and disease progression by Salmonella SopB”. In: (2024), 31 Seiten. DOI: 10.1101/2024.09.02.610793. URL: <https://publications.rwth-aachen.de/record/1012466>.

- [61] 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. URL: <https://publications.rwth-aachen.de/record/789112>.
- [62] Kseniia Dukkart, Catherine Esther Gonzalez, and Nicole Andrea Parks. “Cosine and Data Stewardship”. In: *E-Science-Tage 2025, Heidelberg (Germany)*, 12 Mar 2025 - 14 Mar 2025. Heidelberg: Heidelberg University Library, 2025. DOI: 10.11588/heidok.00036358. URL: <https://publications.rwth-aachen.de/record/1020040>.
- [63] Amelie Echle, Heike Irmgard Grabsch, Philip Quirke, Piet A. van den Brandt, Nicholas P. West, Gordon G. A. Hutchins, Lara R. Heij, Xiuxiang Tan, Susan D. Richman, Jeremias Krause, Elizabeth Alwers, Josien Jenniskens, Kelly Offermans, Richard Gray, Hermann Brenner, Jenny Chang-Claude, **Christian Trautwein**, Alexander T. Pearson, Peter Boor, **Tom Lüdde**, Nadine Therese Gaisa, Michael Hoffmeister, and Jakob Nikolas Kather. “Clinical-Grade Detection of Microsatellite Instability in Colorectal Tumors by Deep Learning”. In: *Gastroenterology. Official publication of the American Gastroenterological Association* 159.4 (2020), 1406–1416.e11. DOI: 10.1053/j.gastro.2020.06.021. URL: <https://publications.rwth-aachen.de/record/813402>.
- [64] Amelie Echle, 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. URL: <https://publications.rwth-aachen.de/record/815758>.
- [65] Merve Erdem, Johanna Roth, Jana Knobloch, Jochen Nolting, Hannes Hatten, Eray Sahin, Felix Schön, Sandra Halbfeld, Nicole Treichel, **Thomas Clavel**, Roman David Bülow, **Christian Liedtke**, and Thorsten Cramer. “A mixture of plant polyphenols unexpectedly aggravates liver metastasis of colorectal cancer in mice”. In: (2026), 41 Seiten. DOI: 10.64898/2026.02.15.703962. URL: <https://publications.rwth-aachen.de/record/1030180>.
- [66] Johannes Eschrich, Zuzanna Kobus, Dominik Geisel, Sebastian Halskov, Florian Roßner, Christoph Roderburg, Raphael Mohr, and **Frank Tacke**. “The Diagnostic Approach towards Combined Hepatocellular-Cholangiocarcinoma—State of the Art and Future Perspectives”. In: *Cancers* 15.1 (2023), p. 301. DOI: 10.3390/cancers15010301. URL: <https://publications.rwth-aachen.de/record/1010361>.
- [67] Tobias Essing, Hans Bock, Björn Wieland, Georg Fluegen, Jan Bednarsch, Johannes G. Bode, **Ulf Peter Neumann**, Christoph Roderburg, Sven H. Loosen, and **Tom Lüdde**. “Clinical determinants of hospital mortality in liver failure. A comprehensive analysis of 62,717 patients”. In: *Zeitschrift für Gastroenterologie* 61.11 (2023), pp. 1472–1483. DOI: 10.1055/a-2016-9061. URL: <https://publications.rwth-aachen.de/record/954429>.
- [68] 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: *Biomedicine* 9.10 (2021), p. 1289. DOI: 10.3390/biomedicine9101289. URL: <https://publications.rwth-aachen.de/record/834526>.
- [69] Sreepadha Eswaran. “Role of adhesion molecules and oxidative stress in the development of western-style diet-induced metabolic syndrome and non-alcoholic fatty liver disease”. PhD thesis. Aachen: RWTH Aachen University, 2023, 1 Online-Ressource : Illustrationen. DOI: 10.18154/RWTH-2024-00623. URL: <https://publications.rwth-aachen.de/record/977168>.
- [70] 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), p. 7314. DOI: 10.3390/ijms22147314. URL: <https://publications.rwth-aachen.de/record/823132>.

- [71] Sreepadha Eswaran, Laura Gebert, Sarah Schraven, Nicole Treichel, Thomas Ritz, Sabine Hamm, Agnes Seeger, **Fabian Kießling**, **Thomas Clavel**, Stephan Dreschers, **Norbert Wagner**, and **Angela Schippers**. “Intercellular adhesion molecule-1 protects against adipose tissue inflammation and insulin resistance but promotes liver disease activity in western-diet fed mice”. In: *Scientific reports* 15 (2025), p. 25884. DOI: 10.1038/s41598-025-11555-0. URL: <https://publications.rwth-aachen.de/record/1015383>.
- [72] Marine Fidelle, Conrad Rauber, Carolina Alves Costa Silva, Ai-Ling Tian, Imran Lahmar, Anne-Laure Mallard de La Varende, Liwei Zhao, Cassandra Thelemaque, Isabelle Lebhar, Meriem Messaoudene, Eugenie Pizzato, Roxanne Birebent, Maxime Descartes Mbogning Fonkou, Silvia Zoppi, Anna Reni, Cécile Dalban, Marion Leduc, Gladys Ferrere, Sylvère Durand, Pierre Ly, Aymeric Silvin, Kevin Mulder, Charles-Antoine Dutertre, Florent Ginhoux, Satoru Yonekura, Maria Paula Roberti, Maryam Tidjani-Alou, Safae Terrisse, Jianzhou Chen, Oliver Kepp, **Angela Schippers**, **Norbert Wagner**, Javier Suárez-Gosálvez, Sebastian Kobold, Jean-Eudes Fahrner, Corentin Richard, Jacques Bosq, Leonardo Lordello, Giacomo Vitali, Nathalie Galleron, Benoît Quinquis, Emmanuelle Le Chatelier, Lucas Blanchard, Jean-Philippe Girard, Anne Jarry, Nadine Gervois, Emmanuelle Godefroy, Nathalie Labarrière, Ronald Koschny, Romain Daillère, Benjamin Besse, Caroline Truntzer, François Ghiringhelli, Nicolas Coatnoan, Vanessa Mhanna, David Klatzmann, Damien Drubay, Laurence Albiges, Andrew Maltez Thomas, Nicola Segata, François-Xavier Danlos, Aurélien Marabelle, Bertrand Routy, Lisa Derosa, Guido Kroemer, and Laurence Zitvogel. “A microbiota-modulated checkpoint directs immunosuppressive intestinal T cells into cancers”. In: *Science / Science now* 380.6649 (2023), eabo2296. DOI: 10.1126/science.abo2296. URL: <https://publications.rwth-aachen.de/record/977042>.
- [73] Anika Franz, Philipp A. Reuken, Sura Guliyeva, Michael Rose, Katharina Boden, Andreas Stallmach, and **Tony Bruns**. “Early ribavirin for hepatitis E virus infection in patients receiving immunosuppressive therapy. A retrospective, observational study”. In: *The journal of international medical research* 51.7 (2023), [1]–13. DOI: 10.1177/03000605231187941. URL: <https://publications.rwth-aachen.de/record/982725>.
- [74] Charlotte M. Fries, Sven-Bastiaan Haange, Ulrike Rolle-Kampczyk, Andreas Till, Mathis Lammert, Linda Grasser, Evelyn Medawar, Arne Dietrich, Annette Horstmann, **Martin von Bergen**, and Wiebke K. Fenske. “Metabolic Profile and Metabolite Analyses in Extreme Weight Responders to Gastric Bypass Surgery”. In: *Metabolites. Open access journal* 12.5 (2022), p. 417. DOI: 10.3390/metabo12050417. URL: <https://publications.rwth-aachen.de/record/848142>.
- [75] Malin Fromme, Karim Hamesch, **Carolin Victoria Schneider**, Mattias Mandorfer, Monica Pons, Katrine H. Thorhauge, Vitor Pereira, Jan Sperl, Sona Frankova, Matthias C. Reichert, Federica Benini, Barbara Constanze Burbaum, Moritz Kleinjans, Samira Amzou, Laura Rademacher, Lisa Bewersdorf, Jef Verbeek, Frederik Nevens, Joan Genesca, Marc Miravittles, Alexa Nuñez, Benedikt Schaefer, Heinz Zoller, Sabina Janciauskiene, Johan Waern, António Oliveira, Luís Maia, Carolina Simões, Ravi Mahadeva, Daniel D. Fraughen, Michael Trauner, Aleksander Krag, Frank Lammert, Robert Bals, Nadine Gaisa, Elmar Aigner, William J. Griffiths, Helmut Denk, Alexander Teumer, Noel G. McElvaney, Alice M. Turner, **Christian Trautwein**, and **Pavel Strnad**. “Alpha-1 Antitrypsin Augmentation and the Liver Phenotype of Adults With Alpha-1 Antitrypsin Deficiency (Genotype Pi*ZZ)”. In: *Clinical gastroenterology and hepatology* 22.2 (2024), 283–294.e5. DOI: 10.1016/j.cgh.2023.08.038. URL: <https://publications.rwth-aachen.de/record/985619>.
- [76] Malin Fromme, Audrey Payancé, Mattias Mandorfer, Katrine H. Thorhauge, Monica Pons, Marc Miravittles, Jan Stolk, Bart van Hoek, Guido Stirnimann, Sona Frankova, Jan Sperl, Andreas E. Kremer, Barbara Constanze Burbaum, Christina Schrader, Amine Kadioglu, Michelle Walkenhaus, **Carolin Victoria Schneider**, Fabienne Klebingat, Lorenz Balcar, Naomi N. Kappe, Benedikt Schaefer, Joanna Chorostowska-Wynimko, Elmar Aigner, Sophie Gensluckner, Philipp Striedl, Pauline Roger, John Ryan, Suzanne Roche, Marius Vögelin, Aftab Ala, Heike Bantel, Jef Verbeek, Zoe Mariño, Michael Praktiknjo, Tom J. G. Gevers, Philipp A. Reuken, Thomas Berg, Jacob George, Münevver Demir, **Tony Bruns**, **Christian Trautwein**, Heinz Zoller, Michael Trauner, Joan Genesca, William J. Griffiths, Virginia Clark, Aleksander Krag, Alice M. Turner, Noel G. McElvaney, and **Pavel Strnad**. “Longitudinal Evaluation of Individuals With Severe Alpha-1 Antitrypsin Deficiency (Pi*ZZ Genotype)”. In: *Gastroenterology. Official publication of the American Gastroenterological Association* 168.2 (2025), pp. 367–381. DOI: 10.1053/j.gastro.2024.10.010. URL: <https://publications.rwth-aachen.de/record/998261>.

- [77] Malin Fromme, **Carolin Victoria Schneider**, **Nurdan Guldiken**, Samira Amzou, Yizhao Luo, Monica Pons, Joan Genesca, Marc Miravittles, Katrine H. Thorhauge, Mattias Mandorfer, Johan Waern, **Kai Markus Schneider**, Jan Sperl, Sona Frankova, Marc Bartel, Holger Zimmer, Markus Zorn, Aleksander Krag, Alice Turner, **Christian Trautwein**, and **Pavel Strnad**. “Alcohol consumption and liver phenotype of individuals with alpha-1 antitrypsin deficiency”. In: *Liver international* 44.10 (2024), pp. 2660–2671. DOI: 10.1111/liv.16044. URL: <https://publications.rwth-aachen.de/record/991158>.
- [78] Malin Fromme, **Carolin Victoria Schneider**, Christoph Schlapbach, Simone Cazzaniga, **Christian Trautwein**, Dan J. Rader, Luca Borradori, and **Pavel Strnad**. “Comorbidities in lichen planus by phenome-wide association study in two biobank population cohorts”. In: *British journal of dermatology* 187.5 (2022), pp. 722–729. DOI: 10.1111/bjd.21762. URL: <https://publications.rwth-aachen.de/record/861926>.
- [79] Lei Fu, **Nurdan Guldiken**, Katharina Remih, Anna Sophie Karl, Christian Preisinger, and **Pavel Strnad**. “Serum/Plasma Proteome in Non-Malignant Liver Disease”. In: *International journal of molecular sciences* 25.4 (2024), p. 2008. DOI: 10.3390/ijms25042008. URL: <https://publications.rwth-aachen.de/record/985618>.
- [80] 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. URL: <https://publications.rwth-aachen.de/record/828376>.
- [81] Stephanie C. Ganal-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. URL: <https://publications.rwth-aachen.de/record/793457>.
- [82] Jinhang Gao, Tian Lan, Enis Kostallari, Yangkun Guo, Enjiang Lai, **Adrien Guillot**, Bisen Ding, **Frank Tacke**, Chengwei Tang, and Vijay H. Shah. “Angiocrine signaling in sinusoidal homeostasis and liver diseases”. In: *Journal of hepatology* 81.3 (2024), pp. 543–561. DOI: 10.1016/j.jhep.2024.05.014. URL: <https://publications.rwth-aachen.de/record/1010378>.
- [83] Elena Gardey, Fabian H. Sobotta, Stefanie Quickert, **Tony Bruns**, Johannes C. Brendel, and Andreas Stallmach. “ROS-Sensitive Polymer Micelles for Selective Degradation in Primary Human Monocytes from Patients with Active IBD”. In: *Macromolecular bioscience* 22.4 (2022), p. 2100482. DOI: 10.1002/mabi.202100482. URL: <https://publications.rwth-aachen.de/record/844492>.
- [84] Mohamed Ghait, Shivalee N. Duduskar, Michael Rooney, Norman Häfner, Laura Reng, Bianca Göhrig, Philipp A. Reuken, Frank Bloos, Michael Bauer, Christoph Sponholz, **Tony Bruns**, and Ignacio Rubio. “The non-canonical inflammasome activators Caspase-4 and Caspase-5 are differentially regulated during immunosuppression-associated organ damage”. In: *Frontiers in immunology* 14 (2023), pp. 1–13. DOI: 10.3389/fimmu.2023.1239474. URL: <https://publications.rwth-aachen.de/record/982712>.
- [85] Ahmed Ghallab, Reham Hassan, Ute Hofmann, Adrian Friebe, Zaynab Hobloss, Lisa Brackhagen, Brigitte Begher-Tibbe, Maiju Myllys, Joerg Reinders, Nina Overbeck, Selahaddin Sezgin, Sebastian Zühlke, Abdel-latif Seddek, Walaa Murad, Tim Brecklinghaus, Franziska Kappenberg, Jörg Rahnenführer, Daniela González, Christopher Goldring, Ian M. Copple, Rosemarie Marchan, Thomas Longerich, Mihael Vucur, **Tom Lüdde**, Stephan Urban, Ali Canbay, Thomas Schreiter, Michael Trauner, Jephthe Y. Akakpo, Mojtaba Olyae, Steven C. Curry, Jan-Peter Sowa, Hartmut Jaeschke, Stefan Hoehme, and Jan G. Hengstler. “Interruption of bile acid uptake by hepatocytes after acetaminophen overdose ameliorates hepatotoxicity”. In: *Journal of hepatology* 77.1 (2022), pp. 71–83. DOI: 10.1016/j.jhep.2022.01.020. URL: <https://publications.rwth-aachen.de/record/855677>.
- [86] K. Große, D. Ohm, S. Würstle, J. F. Brozat, R. M. Schmid, **Christian Trautwein**, A. Stallmach, **Tony Bruns**, and Philipp A. Reuken. “Clinical characteristics and outcome of patients with enterococcal liver abscess”. In: *Scientific reports* 11.1 (2021), p. 22265. DOI: 10.1038/s41598-021-01620-9. URL: <https://publications.rwth-aachen.de/record/848651>.

- [87] Julia Grube, Marius Maximilian Woitok, Antje Mohs, Stephanie Erschfeld, Celina Lynen, **Christian Trautwein**, and Tobias Otto. “ACSL4-dependent ferroptosis does not represent a tumor-suppressive mechanism but ACSL4 rather promotes liver cancer progression”. In: *Cell death & disease* 13 (2022), p. 704. DOI: 10.1038/s41419-022-05137-5. URL: <https://publications.rwth-aachen.de/record/853586>.
- [88] Wenfang Gui, Mikal Jacob Hole, Antonio Molinaro, Karolina Edlund, Kristin K. Jørgensen, Huan Su, Brigitte Begher-Tibbe, Nikolaus Gaßler, **Carolin Victoria Schneider**, Uthayakumar Muthukumarasamy, Antje Mohs, Lijun Liao, Julius Jaeger, Christian J. Mertens, Ina Bergheim, Till Strowig, Jan G. Hengstler, Johannes R. Hov, Hanns-Ulrich Marschall, **Christian Trautwein**, and **Kai Markus Schneider**. “Colitis ameliorates cholestatic liver disease via suppression of bile acid synthesis”. In: *Nature Communications* 14 (2023), p. 3304. DOI: 10.1038/s41467-023-38840-8. URL: <https://publications.rwth-aachen.de/record/959867>.
- [89] Joel Guillaume, Andrea Leufgen, Fabian Tobias Hager, **Oliver Pabst**, and **Vuk Cerovic**. “MHCII expression on gut macrophages supports T cell homeostasis and is regulated by microbiota and ontogeny”. In: *Scientific reports* 13.1 (2023), p. 1509. DOI: 10.1038/s41598-023-28554-8. URL: <https://publications.rwth-aachen.de/record/889189>.
- [90] **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. URL: <https://publications.rwth-aachen.de/record/808892>.
- [91] **Adrien Guillot** and **Frank Tacke**. “Liver macrophages revisited: The expanding universe of versatile responses in a spatiotemporal context”. In: *Hepatology communications* 8.7 (2024), e0491. DOI: 10.1097/HCC.0000000000000491. URL: <https://publications.rwth-aachen.de/record/1010379>.
- [92] **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. URL: <https://publications.rwth-aachen.de/record/791928>.
- [93] **Adrien Guillot**, Marc Winkler, Milessa Silva Afonso, Abhishek Aggarwal, David Lopez, Hilmar Berger, Marlene S. Kohlhepp, Hanyang Liu, Burcin Özdirik, Johannes Eschrich, Jing Ma, Moritz Peiseler, Felix Heymann, Swetha Pendem, Sangeetha Mahadevan, Bin Gao, Lauri Diehl, Ruchi Gupta, and **Frank Tacke**. “Mapping the hepatic immune landscape identifies monocytic macrophages as key drivers of steatohepatitis and cholangiopathy progression”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 78.1 (2023), pp. 150–166. DOI: 10.1097/HEP.0000000000000270. URL: <https://publications.rwth-aachen.de/record/918232>.
- [94] **Nurdan Guldiken**, Josepmaria Argemi, Berivan Gurbuz, Stephen R. Atkinson, Martin Oliverius, Petr Fila, Karim Hamesch, **Tony Bruns**, Joaquín Cabezas, Juan J. Lozano, Jelena Mann, Sheng Cao, Philippe Mathurin, Vijay H. Shah, **Christian Trautwein**, Mark R. Thursz, Ramon Bataller, and **Pavel Strnad**. “Serum transferrin as a biomarker of hepatocyte nuclear factor 4 alpha activity and hepatocyte function in liver diseases”. In: *BMC medicine* 19 (2021), p. 39. DOI: 10.1186/s12916-021-01917-6. URL: <https://publications.rwth-aachen.de/record/842993>.
- [95] Feifei Guo, Olga Estévez-Vázquez, Raquel Benedé-Ubieto, Douglas Maya-Miles, Kang Zheng, Rocío Gallego-Durán, Ángela Rojas, Javier Ampuero, Manuel Romero-Gómez, Kaye Philip, Isioma U. Egbuniwe, Chaobo Chen, Jorge Simon, Teresa C. Delgado, María Luz Martínez-Chantar, Jie Sun, Johanna Reißing, **Tony Bruns**, Arantza Lamas-Paz, Manuel Gómez Del Moral, Marius Maximilian Woitok, Javier Vaquero, José R. Regueiro, **Christian Liedtke**, **Christian Trautwein**, Rafael Bañares, Francisco Javier Cubero, and **Yulia A. Nevzorova**. “A Shortcut from Metabolic-Associated Fatty Liver Disease (MAFLD) to Hepatocellular Carcinoma (HCC): c-MYC a Promising Target for Preventative Strategies and Individualized Therapy”. In: *Cancers* 14.1 (2022), p. 192. DOI: 10.3390/cancers14010192. URL: <https://publications.rwth-aachen.de/record/851958>.
- [96] Berivan Gurbuz, **Nurdan Guldiken**, Philipp Reuken, Lei Fu, Katharina Remih, Christian Preisinger, Radan Brůha, Martin Leníček, Jaromír Petrtýl, Johanna Reißing, Mahmoud Aly, Malin Fromme, Biaohuan Zhou, Isabel Karkossa, Kristin Schubert, **Martin von Bergen**, Andreas Stallmach, **Tony Bruns**, and **Pavel Strnad**. “Biomarkers of hepatocellular synthesis in patients with decompensated cirrhosis”. In: *Hepatology international* 17.3 (2023), pp. 698–708. DOI: 10.1007/s12072-022-10473-x. URL: <https://publications.rwth-aachen.de/record/863057>.

- [97] Sven-Bastiaan Haange, Andreas Till, Per-Olof Bergh, Günter Fauler, Michael Gigl, Anita Löfgren-Sandblom, **Frank G. Schaap**, **Thomas Clavel**, **Christian Trautwein**, Wiebke Fenske, Karin Kleigrew, Hanns-Ulrich Marschall, **Steven W. M. Olde Damink**, Tarek Moustafa, **Martin von Bergen**, and Ulrike Rolle-Kampczyk. “Ring Trial on Quantitative Assessment of Bile Acids Reveals a Method- and Analyte-Specific Accuracy and Reproducibility”. In: *Metabolites. Open access journal* 12.7 (2022), p. 583. DOI: 10.3390/metabo12070583. URL: <https://publications.rwth-aachen.de/record/849341>.
- [98] Frederic Haedge and **Tony Bruns**. “Antibiotics in decompensated liver disease – who, when and for how long?” In: *Expert review of gastroenterology & hepatology* 19.2 (2025), pp. 111–130. DOI: 10.1080/17474124.2025.2464044. URL: <https://publications.rwth-aachen.de/record/1010306>.
- [99] Frederic Haedge, Philipp A. Reuken, Johanna Reißing, Karsten Große, Mick Frissen, Majda El-Hassani, Rene Aschenbach, Ulf Teichgräber, Andreas Stallmach, and **Tony Bruns**. “Surrogate Markers of Intestinal Permeability, Bacterial Translocation and Gut–Vascular Barrier Damage Across Stages of Cirrhosis”. In: *Liver international* 45.6 (2025), e70119. DOI: 10.1111/liv.70119. URL: <https://publications.rwth-aachen.de/record/1015851>.
- [100] Miriam Hägele, Johannes Eschrich, Lukas Ruff, Maximilian Alber, Simon Schallenberg, **Adrien Guillot**, Christoph Roderburg, **Frank Tacke**, and Frederick Klauschen. “Leveraging weak complementary labels enhances semantic segmentation of hepatocellular carcinoma and intrahepatic cholangiocarcinoma”. In: *Scientific reports* 14.1 (2024), p. 24988. DOI: 10.1038/s41598-024-75256-w. URL: <https://publications.rwth-aachen.de/record/1010380>.
- [101] Fabian Tobias Hager, Trong-Hieu Nguyen, Asmae Laouina, Lydia Kopplin, Anna Andrusaite, Susan A. V. Jennings, Britta Simons, Andrea Leufgen, **Thomas Clavel**, Simon Milling, Immo Prinz, Reinhold Förster, Thomas Peter Stiehl, **Oliver Pabst**, and **Vuk Cerovic**. “Progressive changes in phenotype, transcriptome and proliferation capacity characterise continued maturation and migration of intestinal cDCs in homeostasis”. In: *Nature Communications* 16 (2025), p. 8204. DOI: 10.1038/s41467-025-63559-z. URL: <https://publications.rwth-aachen.de/record/1019760>.
- [102] Linda Hammerich, Yaroslava Shevchenko, Jana Knorr, Wiebke Werner, Alix Bruneau, and **Frank Tacke**. “Resolving 31 colors on a standard 3-laser full spectrum flow cytometer for immune monitoring of human blood samples”. In: *Cytometry / B* 104.5 (2023), pp. 367–373. DOI: 10.1002/cyto.b.22126. URL: <https://publications.rwth-aachen.de/record/959097>.
- [103] Linda Hammerich and **Frank Tacke**. “Hepatic inflammatory responses in liver fibrosis”. In: *Nature reviews / Gastroenterology & hepatology* 20.10 (2023), pp. 633–646. DOI: 10.1038/s41575-023-00807-x. URL: <https://publications.rwth-aachen.de/record/1010375>.
- [104] Madhuri Haque. “PNPLA3I148M-associated MASLD susceptibility. The pivotal role of microbiota-driven metabolic dysregulation”. PhD thesis. Aachen: RWTH Aachen University, 2025, 1 Online-Ressource : Illustrationen. DOI: 10.18154/RWTH-2025-10356. URL: <https://publications.rwth-aachen.de/record/1022918>.
- [105] Eva Harlacher, Corinna Schulte, Sonja Vondenhoff, Philippe Schmitt-Kopplin, Philippe Diederich, Christian Hemmers, Julia Wollenhaupt, Julia Wollenhaupt, Rogier J. A. Veltrop, Erik A. L. Biessen, Michael Lehrke, Björn Peters, Georg Rainer Schlieper, Christoph Kuppe, Jürgen Flöge, Vera Jankowski, Nikolaus Marx, **Joachim Jankowski**, and **Heidi Noels**. “Increased levels of a mycophenolic acid metabolite in patients with kidney failure negatively affect cardiomyocyte health”. In: *Frontiers in Cardiovascular Medicine* 11 (2024), p. 1346475. DOI: 10.3389/fcvm.2024.1346475. URL: <https://publications.rwth-aachen.de/record/990132>.
- [106] Hannes Hatten, Leticia Colyn, Ines Volkert, Nikolaus Gaßler, Twan Lammers, Ute Hofmann, Jan G. Hengstler, **Kai Markus Schneider**, and **Christian Trautwein**. “Loss of Toll-like receptor 9 protects from hepatocellular carcinoma in murine models of chronic liver disease”. In: *Biochimica et biophysica acta. BBA / Molecular basis of disease* 1870.7 (2024), p. 167321. DOI: 10.1016/j.bbadis.2024.167321. URL: <https://publications.rwth-aachen.de/record/991909>.
- [107] 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. URL: <https://publications.rwth-aachen.de/record/834321>.

- [108] 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. URL: <https://publications.rwth-aachen.de/record/811474>.
- [109] 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. URL: <https://publications.rwth-aachen.de/record/828379>.
- [110] Felix Heymann, Jana Christina Mossanen, Moritz Peiseler, Patricia Maria Niemietz, Bruna Araujo David, Oliver Krenkel, Anke Liepelt, Matheus Batista Carneiro, Marlene S. Kohlhepp, Paul Kubes, and **Frank Tacke**. “Hepatic C-X-C chemokine receptor type 6-expressing innate lymphocytes limit detrimental myeloid hyperactivation in acute liver injury”. In: *Hepatology communications* 7.4 (2023), e0102. DOI: 10.1097/H9C9.000000000000102. URL: <https://publications.rwth-aachen.de/record/982836>.
- [111] Thomas C. A. Hitch, Lindsay J. Hall, Sarah Kate Walsh, Gabriel E. Leventhal, Emma Slack, Tomas de Wouters, Jens Walter, and **Thomas Clavel**. “Microbiome-based interventions to modulate gut ecology and the immune system”. In: *Mucosal immunology* 15 (2022), pp. 1095–1113. DOI: 10.1038/s41385-022-00564-1. URL: <https://publications.rwth-aachen.de/record/855027>.
- [112] Thomas C. A. Hitch, Johannes M. Masson, Charlie Pauvert, Johanna Bosch, Selina Nüchtern, Nicole Treichel, Marko Baloh, Soheila Razavi, Afrizal Afrizal, Ntana Kousetzi, Andrea M. Aguirre, David Wylensek, Amy Coates, Susan A. V. Jennings, Atscharah Panyot, Alina Viehof, Matthias Schmitz, Maximilian Stuhmann, Evelyn C. Deis, Kevin Bisdorf, Maria D. Chiotelli, Artur Lissin, Isabel Schober, Julius Witte, Thorsten Cramer, Thomas Riedel, Marie Wende, Katrin A. Winter, Lena Amend, Alessandra Riva, Stefanie Nhu-Binh Trinh, Laura Mitchell, Jonathan Hartman, David Berry, Jochen Seitz, Lukas C. Bossert, Marianne Grognot, Thorsten Allers, Till Strowig, Michael Pester, Birte Abt, Lorenz C. Reimer, Jörg Overmann, and **Thomas Clavel**. “Broad diversity of human gut bacteria accessible via a traceable strain deposition system”. In: (2024), 48 Seiten. DOI: 10.1101/2024.06.20.599854. URL: <https://publications.rwth-aachen.de/record/988372>.
- [113] Thomas C. A. Hitch, Johannes M. Masson, Charlie Pauvert, Johanna Bosch, Selina Nüchtern, Nicole Treichel, Marko Baloh, Soheila Razavi, Afrizal Afrizal, Ntana Kousetzi, Andrea M. Aguirre, David Wylensek, Amy Coates, Susan A. V. Jennings, Atscharah Panyot, Alina Viehof, Matthias Schmitz, Maximilian Stuhmann, Evelyn C. Deis, Kevin Bisdorf, Maria D. Chiotelli, Artur Lissin, Isabel Schober, Julius Witte, Thorsten Cramer, Thomas Riedel, Marie Wende, Katrin A. Winter, Lena Amend, Alessandra Riva, Stefanie Nhu-Binh Trinh, Laura Mitchell, Jonathan Aron Hartman, David Berry, Jochen Seitz, Lukas C. Bossert, Marianne Grognot, Thorsten Allers, Till Strowig, Michael Pester, Birte Abt, Lorenz C. Reimer, Jörg Overmann, and **Thomas Clavel**. “HiBC: a publicly available collection of bacterial strains isolated from the human gut”. In: *Nature Communications* 16 (2025), p. 4203. DOI: 10.1038/s41467-025-59229-9. URL: <https://publications.rwth-aachen.de/record/1011756>.
- [114] 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 (2021), p. 16. DOI: 10.1038/s43705-021-00017-z. URL: <https://publications.rwth-aachen.de/record/819354>.
- [115] Thomas C. A. Hitch, David Wylensek, Kevin Bisdorf, Eva Miriam Buhl, Nicole Treichel, Birte Abt, Jörg Overmann, and **Thomas Clavel**. “Harmonious naming across nomenclature codes exemplified by the description of bacterial isolates from the mammalian gut”. In: *Systematic and applied microbiology* 47.5 (2024), p. 126543. DOI: 10.1016/j.syapm.2024.126543. URL: <https://publications.rwth-aachen.de/record/991647>.
- [116] Philipp Hohlstein, Jonathan Frederik Brozat, Julia Schuler, Samira Abu Jhaisha, Maike Pollmanns, Lukas Bündgens, **Theresa Wirtz**, Eray Yagmur, Karim Hamesch, Ralf Weiskirchen, **Frank Tacke**, **Christian Trautwein**, and Alexander Koch. “Secreted Frizzled Related Protein 5 (SFRP5) Serum Levels Are Decreased in Critical Illness and Sepsis and Are Associated with Short-Term Mortality”. In: *Biomedicines. Open access journal* 11.2 (2023), p. 313. DOI: 10.3390/biomedicines11020313. URL: <https://publications.rwth-aachen.de/record/953717>.

- [117] Philipp Hohlstein, Eileen Schumacher, Samira Abu Jhaisha, Jule K. Adams, Maike Pollmanns, **Carolin Victoria Schneider**, Karim Hamesch, Katarina Horvathova, **Theresa Wirtz**, **Frank Tacke**, **Christian Trautwein**, Ralf Weiskirchen, and Alexander Koch. “Soluble Neuropilin-1 Is Elevated in Sepsis and Correlates with Organ Dysfunction and Long-Term Mortality in Critical Illness”. In: *International journal of molecular sciences* 25.10 (2024), p. 5438. DOI: 10.3390/ijms25105438. URL: <https://publications.rwth-aachen.de/record/990053>.
- [118] Jana Holmar, Sofía de la Puente-Secades, Jürgen Flöge, **Heidi Noels**, **Joachim Jankowski**, and Setareh Orth-Alampour. “Uremic Toxins Affecting Cardiovascular Calcification. A Systematic Review”. In: *Cells. Open access journal* 9.11 (2020), p. 2428. DOI: 10.3390/cells9112428. URL: <https://publications.rwth-aachen.de/record/807156>.
- [119] Paul Horn and **Frank Tacke**. “Metabolic reprogramming in liver fibrosis”. In: *Cell metabolism* 36.7 (2024), pp. 1439–1455. DOI: 10.1016/j.cmet.2024.05.003. URL: <https://publications.rwth-aachen.de/record/1010381>.
- [120] **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. URL: <https://publications.rwth-aachen.de/record/781397>.
- [121] Jana Hundertmark, Hilmar Berger, and **Frank Tacke**. “Single Cell RNA Sequencing in NASH”. In: *Non-Alcoholic steatohepatitis : methods and protocols / edited by Devanand Sarkar*. Vol. 2455. Methods in molecular biology. New York, NY: Humana Press, 2022, pp. 181–202. DOI: 10.1007/978-1-0716-2128-8_15. URL: <https://publications.rwth-aachen.de/record/855241>.
- [122] 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. URL: <https://publications.rwth-aachen.de/record/815766>.
- [123] Oluwatomi Ibidapo-Obe and **Tony Bruns**. “Tissue-resident and innate-like T cells in patients with advanced chronic liver disease”. In: *JHEP reports* 5.10 (2023), p. 100812. DOI: 10.1016/j.jhepr.2023.100812. URL: <https://publications.rwth-aachen.de/record/982723>.
- [124] Oluwatomi Ibidapo-Obe, Michael D. Rooney, and **Tony Bruns**. “Peritoneal immunity in decompensated cirrhosis”. In: *Expert review of clinical immunology* 21.10 (2025), pp. 1355–1371. DOI: 10.1080/1744666X.2025.2565670. URL: <https://publications.rwth-aachen.de/record/1023765>.
- [125] Oluwatomi Ibidapo-Obe, Sven Stengel, Mick Frissen, Johanna Reißing, Karsten Große, Michael Rooney, Stefanie Quickert, Trong-Hieu Nguyen, Sabine Baumgart, Hector Leal-Lassalle, Raquel Benedé-Ubieto, **Yulia A. Nevzorova**, and **Tony Bruns**. “Macrophage-derived IL-15 Imprints Peritoneal TRM-like CD8 T Cells in Cirrhosis and Spontaneous Bacterial Peritonitis”. In: *JHEP reports* 7.6 (2025), p. 101381. DOI: 10.1016/j.jhepr.2025.101381. URL: <https://publications.rwth-aachen.de/record/1010315>.
- [126] Hamish Innes, Hans Dieter Nischalke, Indra Neil Guha, Karl Heinz Weiss, Will Irving, Daniel Gotthardt, Eleanor Barnes, Janett Fischer, M. Azim Ansari, Jonas Rosendahl, Shang-Kuan Lin, Astrid Marot, Vincent Pedergnana, Markus Casper, Jennifer Benselin, Frank Lammert, John McLauchlan, Philip L. Lutz, Victoria Hamill, Sebastian Mueller, Joanne R. Morling, Georg Semmler, Florian Eyer, Johann von Felden, Alexander Link, Arndt Vogel, Jens U. Marquardt, Stefan Sulk, **Jonel Trebicka**, Luca Valenti, Christian Datz, Thomas Reiberger, Clemens Schafmayer, Thomas Berg, Pierre Deltenre, Jochen Hampe, Felix Stickel, and Stephan Buch. “The rs429358 Locus in Apolipoprotein E Is Associated With Hepatocellular Carcinoma in Patients With Cirrhosis”. In: *Hepatology communications* (2021). DOI: 10.1002/hep4.1886. URL: <https://publications.rwth-aachen.de/record/837765>.
- [127] 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. URL: <https://publications.rwth-aachen.de/record/834276>.
- [128] Susan A. V. Jennings and **Thomas Clavel**. “Synthetic Communities of Gut Microbes for Basic Research and Translational Approaches in Animal Health and Nutrition”. In: *Annual review of animal biosciences* 12 (2024), pp. 283–300. DOI: 10.1146/annurev-animal-021022-025552. URL: <https://publications.rwth-aachen.de/record/983114>.

- [129] Markus Sebastian Jördens, Lisa Heinrichs, Sven H. Loosen, Linda Wittig, Verena Keitel, David Schöler, Maximilian Schulze-Hagen, Christina Loberg, Gerald Antoch, Wolfram Trudo Knoefel, **Tom Lüdde**, Georg Fluegen, and Christoph Roderburg. “Sarcopenia Predicts Cancer Mortality in Male but Not in Female Patients Undergoing Surgery for Cholangiocellular Carcinoma”. In: *Cancers* 13.21 (2021), p. 5359. DOI: 10.3390/cancers13215359. URL: <https://publications.rwth-aachen.de/record/851563>.
- [130] 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. URL: <https://publications.rwth-aachen.de/record/794137>.
- [131] Nadine Kaesler, Suresh Kaushik, Janina Frisch, Susanne Ziegler, Jochen Grommes, Alexander Gombert, Leticia Prates Roma, Christoph Kuppe, **Joachim Jankowski**, Jürgen Flöge, Sofía de la Puente-Secades, Rafael Kramann, and Vera Jankowski. “Vitamin K preserves gamma-glutamyl carboxylase activity against carbamylations in uremia: Implications for vascular calcification and adjunct therapies”. In: *Acta physiologica* 241.5 (2025), e70040. DOI: 10.1111/apha.70040. URL: <https://publications.rwth-aachen.de/record/1012732>.
- [132] Naomi N. Kappe, Malin Fromme, Jan Stolk, Iliaria Ferrarotti, **Pavel Strnad**, and Bart van Hoek. “Performance of enhanced liver fibrosis test and indirect serum fibrosis markers for exclusion of advanced liver fibrosis in alpha-1 antitrypsin deficiency”. In: *European journal of internal medicine* (2025), p. 106423. DOI: 10.1016/j.ejim.2025.07.019. URL: <https://publications.rwth-aachen.de/record/1019323>.
- [133] Jakob Nikolas Kather, Lara R. Heij, Heike I. Grabsch, Chiara Loeffler, Amelie Echle, Hannah Sophie Muti, Jeremias Krause, Jan M. Niehues, Kai A. J. Sommer, Peter Bankhead, Loes F. S. Kooreman, Jeffrey J. Schulte, Nicole A. Cipriani, Roman D. Buelow, Peter Boor, Nadina Ortiz-Brüchle, Andrew M. Hanby, Valerie Speirs, Sara Kochanny, Akash Patnaik, Andrew Srisuwananukorn, Hermann Brenner, Michael Hoffmeister, Piet A. van den Brandt, Dirk Jäger, **Christian Trautwein**, Alexander T. Pearson, and **Tom Lüdde**. “Pan-cancer image-based detection of clinically actionable genetic alterations”. In: *Nature cancer* 1.8 (2020), pp. 789–799. DOI: 10.1038/s43018-020-0087-6. URL: <https://publications.rwth-aachen.de/record/855673>.
- [134] Savneet Kaur, Srivatsan Kidambi, Martí Ortega-Ribera, Le Thi Thanh Thuy, Natalia Nieto, Victoria C. Cogger, Wei-Fen Xie, **Frank Tacke**, and Jordi Gracia-Sancho. “In Vitro Models for the Study of Liver Biology and Diseases: Advances and Limitations”. In: *Cellular and Molecular Gastroenterology and Hepatology* 15.3 (2023), pp. 559–571. DOI: 10.1016/j.jcmgh.2022.11.008. URL: <https://publications.rwth-aachen.de/record/1010363>.
- [135] Robin Kate Kelley, Makoto Ueno, Changhoon Yoo, Richard S. Finn, Junji Furuse, Zhenggang Ren, Thomas Yau, Heinz-Josef Klumpen, Stephen L. Chan, Masato Ozaka, Chris Verslype, Mohamed Bouattour, Joon Oh Park, Olga Barajas, Uwe Pelzer, Juan W. Valle, Li Yu, Usha Malhotra, Abby B. Siegel, Julien Edeline, Arndt Vogel, Mehmet Akce, Inmaculada Ales Diaz, Gustavo Alves, Sumitra Anand, Cagatay Arslan, Jamil Asselah, Eric Assenat, Francine Aubin, Li-Yuan Bai, Yuxian Bai, Olga Barajas, Susan Bates, Stephen Begbie, Irit Ben-Aharon, Nina Beri, **Marie-Luise Berres**, Jean-Frederic Blanc, Ivan Borbath, Robert Bordonaro, Mohamed Bouattour, Giovanni Brandi, Adam Burgoyne, Kritiya Butthongkomvong, Marcos Camandaroba, Ke Cao, Marcela Carballido, Stephan Lam Chan, Jen-Shi Chen, Ming-Huang Chen, Xiaoming Chen, Ashley Cheng, Tai-Jan Chiu, Hye Jin Choi, Hong Jae Chon, Joelle Collignon, Antonio Cubillo Gracian, Sarah Davis, Ricardo Saraiva de Carvalho, D. J. A. de Groot, Anne Demols, Judith De Vos, Maria Diab, Jacob Easaw, Martin Eatock, Julien Edeline, Rawad Elias, Fredericus Eskens, Alfredo Falcone, Plinio Fernandez, Richard Finn, Fabio Franke, Masayuki Furukawa, Junji Furuse, Olumide Gbolahan, Karen Geboes, Keri-Lee Geneser, Zhimin Geng, Ravit Geva, Roopinder Gillmore, Thorsten Goetze, Hongfeng Gou, Julieta Grasselli, Shanzhi Gu, Mahmut Gumus, Nadia Haj Mohammad, Chunyi Hao, Hakan Harputluoglu, Hassan Hatoum, Volker Heinemann, Wang Kwong Ho, Chiun Hsu, Ayala Hubert, Juneul Hwang, Mevlude Inanc, Soledad Iseas, Vaishnavi Jeyasingam, Paula Jimenez Fonseca, Warren Joubert, Jitlada Juengsamarn, Diego Kaen, Masashi Kanai, Stefan Kasper-Virchow, Ghazaleh Kazemi, Fergal Kelleher, Robin Kelley, Jin Won Kim, Jong Gwang Kim, Ana Beatriz Kinupe Abrahao, Heinz Klumpen, Mark Kochenderfer, Fatih Kose, Ho Ching Lam, Choong-kun Lee, Hyun Woo Lee, Margaret Lee, Myung Ah Lee, Wai Man Sarah Lee, Samuel Le Sourd, Dongliang Li, Wei Li, Houjie Liang, Tingbo Liang, Chun Sen Lim, Brian Lingerfelt, Charles Lopez, John Low, Teresa Macarulla Mercade, David Malka, Yimin Mao, Gianluca Masi, Steven McCune, Ray McDermott, Elaine

- McWhirter, Guillermo Mendez, Michele Milella, Nobumasa Mizuno, Tomonori Mizutani, Camila Moniz, Luisa Morales, Andres Jesús Munoz Martin, Bruno Nervi, Nuttapong Ngamphaiboon, Sang Cheul Oh, Berna Oksuzoglu, Darryl Outlaw, Masato Ozaka, Mustafa Ozguroglu, Ozgur Ozyilkan, Claudio Painemal, Yueyin Pan, Joon Oh Park, Uwe Pelzer, Chuang Peng, Caroline Petorin, Denis Pezet, Derek Power, Shukui Qin, Zhenggang Ren, Aflah Roohullah, Hyewon Ryu, Pamela Salman, Mitsuhiro Sasaki, Rita Sasidharan, Taroh Satoh, Kornelius Schulze, Martin Scott-Brown, Ruben Segovia, Thomas Seufferlein, Salvatore Siena, Isabelle Sinapi, Cristina Smolenschi, Tianqiang Song, Aumkhae Sookprasert, Nopadol Soparattanapaisarn, Naureen Starling, Stacey Stein, Salomon Stemmer, Haichuan Su, Rie Sugimoto, Thatthan Suksombooncharoen, Vincent Tam, Ai Lian Tan, Chih Kiang Tan, Suebpong Tanasanvimon, Giuseppe Tonini, Giampaolo Tortora, Akihito Tsuji, Makoto Ueno, Rodrigo Uribe, Marino Venerito, Helena Verdaguer Mata, Chris Verslype, Ana Paula Victorino, Arndt Vogel, James Wade, Dirk Thomas Waldschmidt, Lu Wang, Wan Zamaniah Wan Isahk, Harpeet Wasan, Rui Weschenfelder, Chun Yin Wong, Yoke Fui Wong, Suayib Yalcin, Patricio Yanez Weber, Xuezhong Yang, Hisateru Yasui, Thomas Yau, Ozan Yazici, Chia-Jui Yen, Jieer Ying, Changhoon Yoo, Wenchang Yu, and Haitao Zhao. “Pembrolizumab in combination with gemcitabine and cisplatin compared with gemcitabine and cisplatin alone for patients with advanced biliary tract cancer (KEYNOTE-966): a randomised, double-blind, placebo-controlled, phase 3 trial”. In: *The lancet* 401.10391 (2023), pp. 1853–1865. DOI: 10.1016/S0140-6736(23)00727-4. URL: <https://publications.rwth-aachen.de/record/1030370>.
- [136] Bastian Kister, Alina Viehof, Ulrike Rolle-Kampczyk, Annika Schwentker, Nicole Treichel, Susan A. V. Jennings, **Theresa Wirtz**, **Lars Mathias Blank**, **Mathias W. Hornef**, **Martin von Bergen**, **Thomas Clavel**, and **Lars Küpfer**. “A physiologically based model of bile acid metabolism in mice”. In: *iScience* 26.10 (2023), p. 107922. DOI: 10.1016/j.isci.2023.107922. URL: <https://publications.rwth-aachen.de/record/974578>.
- [137] Bastian Karl Kister. “Physiologically-based modeling of bile acid metabolism in mice and human”. PhD thesis. Aachen: RWTH Aachen University, 2024, 1 Online–Ressource : Illustrationen. DOI: 10.18154/RWTH-2024-05286. URL: <https://publications.rwth-aachen.de/record/986586>.
- [138] 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. URL: <https://publications.rwth-aachen.de/record/791931>.
- [139] Moritz Kleinjans, **Carolin Victoria Schneider**, **Tony Bruns**, and **Pavel Strnad**. “Phenome of coeliac disease vs. inflammatory bowel disease”. In: *Scientific reports* 12 (2022), p. 14572. DOI: 10.1038/s41598-022-18593-y. URL: <https://publications.rwth-aachen.de/record/852859>.
- [140] Kiran V. K. Koelfat, Kim M. C. van Mierlo, Toine M. Lodewick, Johanne G. Bloemen, Gregory van der Kroft, Iakovos Amygdalos, Ulf P. Neumann, Cornelis H. C. Dejong, Peter L. M. Jansen, **Steven W. M. Olde Damink**, and **Frank G. Schaap**. “Bile Salt and FGF19 Signaling in the Early Phase of Human Liver Regeneration”. In: *Hepatology communications* 5.8 (2021), pp. 1400–1411. DOI: 10.1002/hep4.1728. URL: <https://publications.rwth-aachen.de/record/846351>.
- [141] Kiran V. K. Koelfat, **Frank G. Schaap**, Kim M. C. van Mierlo, Martin Leníček, Ilka Sauer, Gregory van der Kroft, Anjali Anna Joy Röth, Jan Bednarsch, Iakovos Amygdalos, Georg Lurje, Maxime J. L. Dewulf, Sven Lang, **Ulf Peter Neumann**, and **Steven W. M. Olde Damink**. “Partial liver resection alters the bile salt-FGF19 axis in patients with perihilar cholangiocarcinoma: Implications for liver regeneration”. In: *Hepatology communications* 8.6 (2024), e0445. DOI: 10.1097/HCG.0000000000000445. URL: <https://publications.rwth-aachen.de/record/1007626>.
- [142] Marlene Sophia Kohlhepp, Hanyang Liu, **Frank Tacke**, and **Adrien Guillot**. “The contradictory roles of macrophages in non-alcoholic fatty liver disease and primary liver cancer—Challenges and opportunities”. In: *Frontiers in molecular biosciences* 10 (2023), p. 1129831. DOI: 10.3389/fmolb.2023.1129831. URL: <https://publications.rwth-aachen.de/record/957144>.
- [143] Paul-Henry Koop, Constanze Schwenzer, Jan Niklas Clusmann, Mara Vell, Julius Jaeger, Wenfang Gui, **Christian Trautwein**, Alexander Koch, **Tony Bruns**, **Carolin Victoria Schneider**, and **Kai Markus Schneider**. “Comorbidities, mortality and metabolic profile in individuals with primary biliary cholangitis—A Phenome-Wide-Association-Study”. In: *Liver international* 44.8 (2024), pp. 2038–2053. DOI: 10.1111/liv.15945. URL: <https://publications.rwth-aachen.de/record/989638>.

- [144] Sarah Krieg, Tobias Essing, Andreas Krieg, Christoph Roderburg, **Tom Lüdde**, and Sven H. Loosen. “Recent Trends and In-Hospital Mortality of Transarterial Chemoembolization (TACE) in Germany: A Systematic Analysis of Hospital Discharge Data between 2010 and 2019”. In: *Cancers* 14.9 (2022), p. 2088. DOI: 10.3390/cancers14092088. URL: <https://publications.rwth-aachen.de/record/860347>.
- [145] Sarah Krieg, Christoph Roderburg, Andreas Krieg, **Tom Lüdde**, Sven H. Loosen, and Karel Kostev. “The association between body height and cancer: a retrospective analysis of 784,192 outpatients in Germany”. In: *Journal of cancer research and clinical oncology* 149.8 (2023), pp. 4275–4282. DOI: 10.1007/s00432-022-04335-0. URL: <https://publications.rwth-aachen.de/record/860349>.
- [146] 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* 14.4 (2021), pp. 1757–1770. DOI: 10.1111/1751-7915.13845. URL: <https://publications.rwth-aachen.de/record/820092>.
- [147] Pavitra Kumar, Mohsin Hassan, **Frank Tacke**, and Cornelius Engelmann. “Delineating the heterogeneity of senescence-induced-functional alterations in hepatocytes”. In: *Cellular and molecular life sciences. (CMLS)* 81.1 (2024), p. 200. DOI: 10.1007/s00018-024-05230-2. URL: <https://publications.rwth-aachen.de/record/1010382>.
- [148] 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: *Biomedicines. Open access journal* 9.9 (2021), p. 1210. DOI: 10.3390/biomedicines9091210. URL: <https://publications.rwth-aachen.de/record/828359>.
- [149] Ibone Labiano, Aloña Agirre-Lizaso, Paula Olaizola, Anne Echebarria, Maider Huici-Izagirre, Irene Olaizola, Aitor Esparza-Baquer, Omar Sharif, Elizabeth Hijona, Piotr Milkiewicz, Malgorzata Milkiewicz, Francisco González-Romero, Patricia Aspichueta, Maria J. Monte, Jose J. G. Marin, Mihael Vucur, **Tom Lüdde**, Marco Marzioni, Derek A. Mann, Luis Bujanda, Pedro M. Rodrigues, Jesus M. Banales, and Maria J. Perugorria. “TREM-2 plays a protective role in cholestasis by acting as a negative regulator of inflammation”. In: *Journal of hepatology* 77.4 (2022), pp. 991–1004. DOI: 10.1016/j.jhep.2022.05.044. URL: <https://publications.rwth-aachen.de/record/855675>.
- [150] 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. URL: <https://publications.rwth-aachen.de/record/809360>.
- [151] 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. URL: <https://publications.rwth-aachen.de/record/828487>.
- [152] 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. URL: <https://publications.rwth-aachen.de/record/828495>.
- [153] 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. URL: <https://publications.rwth-aachen.de/record/815757>.
- [154] Tian Lan, **Adrien Guillot**, and **Frank Tacke**. “Somatic mutant clone screening: scan for novel NASH target genes in mouse liver”. In: *Signal transduction and targeted therapy* 8.1 (2023), p. 319. DOI: 10.1038/s41392-023-01572-8. URL: <https://publications.rwth-aachen.de/record/968282>.

- [155] Tian Lan and **Frank Tacke**. “Diagnostics and omics technologies for the detection and prediction of metabolic dysfunction-associated steatotic liver disease-related malignancies”. In: *Metabolism. Clinical and experimental* 161 (2024), p. 156015. DOI: 10.1016/j.metabol.2024.156015. URL: <https://publications.rwth-aachen.de/record/1010384>.
- [156] Alena Laschtowitz, Joeri Lambrecht, Tobias Puengel, **Frank Tacke**, and Raphael Mohr. “Serum CXCL5 Detects Early Hepatocellular Carcinoma and Indicates Tumor Progression”. In: *International journal of molecular sciences* 24.6 (2023), p. 5295. DOI: 10.3390/ijms24065295. URL: <https://publications.rwth-aachen.de/record/1010365>.
- [157] Alena Laschtowitz and **Frank Tacke**. “Many roads lead to Rome: The FGF4–AMP-activated protein kinase–Caspase 6 signal axis in NAFLD and NASH”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 76.4 (2022), pp. 911–913. DOI: 10.1002/hep.32454. URL: <https://publications.rwth-aachen.de/record/1010393>.
- [158] Jane Sophie Lauxen, Sonja Vondenhoff, Carolina Victoria Cruz Junho, Philipp Martin, Susanne Fleig, Katharina Schütt, Ulrike Schulze-Späte, Oliver Soehnlein, Leticia Prates-Roma, Yvonne Döring, Constance C. F. M. J. Baaten, and **Heidi Noels**. “Neutrophil Function in Patients With Chronic Kidney Disease: A Systematic Review and Meta-Analysis”. In: *Acta physiologica* 241.6 (2025), e70057. DOI: 10.1111/apha.70057. URL: <https://publications.rwth-aachen.de/record/1012225>.
- [159] Chi-Hsien Lee, Thi Phuong Nam Bui, Camille Petitfils, Ching Jian, Giselle C. Wong, Anthony Puel, Tiphaine Le Roy, Samuel Bellais, Bouthaina Ben Abdallah, Mélanie Nehlich, Thomas Leicht, Manyi Jia, Lesley Hoyles, Massimo Federici, Jose Manuel Fernández-Real, Remy Burcelin, Marc-Emmanuel Dumas, Nathalie M. Delzenne, **Thomas Clavel**, Sjef Boeren, Antonio Dario Troise, Andrea Scaloni, Giulio G. Muccioli, Willem M. De Vos, Matthias Van Hul, and Patrice D. Cani. “Novel myo -inositol to butyrate fermentation pathway in the prevalent human gut species *Dysosmobacter welbionis*, a bacterium associated with improved metabolic and liver health”. In: *Gut* (2026). DOI: 10.1136/gutjnl-2025-336617. URL: <https://publications.rwth-aachen.de/record/1028390>.
- [160] Sander Lefere, Lindsey Devisscher, and **Frank Tacke**. “Targeting CCR2/5 in the treatment of nonalcoholic 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. URL: <https://publications.rwth-aachen.de/record/788068>.
- [161] 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. URL: <https://publications.rwth-aachen.de/record/813502>.
- [162] 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. URL: <https://publications.rwth-aachen.de/record/807181>.
- [163] Till R. Lesker, Abilash C. Durairaj, Eric J. C. Gálvez, Ilias Lagkourdos, 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. URL: <https://publications.rwth-aachen.de/record/796359>.
- [164] Andrea Leufgen. “Intestinal and hepatic dendritic cells in the induction of tolerogenic responses”. PhD thesis. Aachen: RWTH Aachen University, 2022, 1 Online–Ressource : Illustrationen, Diagramme. DOI: 10.18154/RWTH-2022-09262. URL: <https://publications.rwth-aachen.de/record/854036>.
- [165] 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. URL: <https://publications.rwth-aachen.de/record/788069>.

- [166] Dong Liu, Lara Heij, Zoltan Czigany, Edgar Dahl, Marcel Den Dulk, Sven Lang, Tom Florian Ulmer, **Ulf Peter Neumann**, and Jan Bednarsch. “The prognostic value of neutrophil-to-lymphocyte ratio in cholangiocarcinoma. A systematic review and meta-analysis”. In: *Scientific reports* 12 (2022), p. 12691. DOI: 10.1038/s41598-022-16727-w. URL: <https://publications.rwth-aachen.de/record/852317>.
- [167] Dong Liu, Lara Rosaline Heij, Zoltan Czigany, Edgar Dahl, Sven Arke Lang, Tom Florian Ulmer, **Tom Lüdde**, **Ulf Peter Neumann**, and Jan Bednarsch. “The role of tumor-infiltrating lymphocytes in cholangiocarcinoma”. In: *Journal of experimental & clinical cancer research* 41.1 (2022), p. 127. DOI: 10.1186/s13046-022-02340-2. URL: <https://publications.rwth-aachen.de/record/844276>.
- [168] Hanyang Liu, Sander Lefere, **Adrien Guillot**, Ming-Hua Zheng, and **Frank Tacke**. “Bariatric surgery for metabolic dysfunction-associated steatotic liver disease (MASLD): Current knowledge of mechanisms”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* (2024), pp. 1–17. DOI: 10.1097/HEP.0000000000001417. URL: <https://publications.rwth-aachen.de/record/1022932>.
- [169] Hanyang Liu, Guo Yin, Bianca Franco Leonardi, Tian Lan, Yeni Ait Ahmed, Hilmar Berger, Marlene Sophia Kohlhepp, Natalja Amiridze, Natalia Martagón Calderón, Carla Frau, Ludovic Vallier, Milad Rezvani, **Frank Tacke**, and **Adrien Guillot**. “Reactive cholangiocyte-derived ORM2 drives a pathogenic modulation of the injured biliary niche through macrophage reprogramming”. In: *Gut. An international journal of gastroenterology and hepatology* 74.10 (2025), pp. 1694–1710. DOI: 10.1136/gutjnl-2024-334425. URL: <https://publications.rwth-aachen.de/record/1010392>.
- [170] Hanyang Liu, Guo Yin, Marlene Sophia Kohlhepp, Fabian Schumacher, Jana Hundertmark, Mohamed I. Abdelwahab Hassan, Felix Heymann, Tobias Puengel, Burkhard Kleuser, Alexander Sandy Mosig, **Frank Tacke**, and **Adrien Guillot**. “Dissecting Acute Drug-Induced Hepatotoxicity and Therapeutic Responses of Steatotic Liver Disease Using Primary Mouse Liver and Blood Cells in a Liver-On-A-Chip Model”. In: *Advanced science* 11.30 (2024), p. 2403516. DOI: 10.1002/advs.202403516. URL: <https://publications.rwth-aachen.de/record/989201>.
- [171] 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. URL: <https://publications.rwth-aachen.de/record/781130>.
- [172] Sven H Loosen, Joao Gorgulho, Markus S. Jördens, Maximilian Schulze-Hagen, Fabian Beier, Mihael Vucur, Anne Theres Schneider, Christiane Koppe, Alexander Mertens, Jakob N. Kather, **Frank Tacke**, Verena Keitel, Tim Henrik Brümmendorf, Christoph Roderburg, and **Tom Lüdde**. “Serum Levels of Soluble Urokinase Plasminogen Activator Receptor Predict Tumor Response and Outcome to Immune Checkpoint Inhibitor Therapy”. In: *Frontiers in oncology* 11 (2021), p. 646883. DOI: 10.3389/fonc.2021.646883. URL: <https://publications.rwth-aachen.de/record/851171>.
- [173] Sven H. Loosen, Fabian Benz, Raphael Mohr, Philipp A. Reuken, **Theresa Wirtz**, Lioba Cornelia Junker, Christian Jansen, Carsten Meyer, Michael Praktiknjo, Alexander Wree, Johanna Reißing, Münevver Demir, Wenyi Gu, Mihael Vucur, Robert Schierwagen, Andreas Stallmach, Anselm Kunstein, Johannes Bode, **Christian Trautwein**, **Frank Tacke**, **Tom Lüdde**, **Tony Bruns**, **Jonel Trebicka**, and Christoph Roderburg. “Soluble urokinase plasminogen activator receptor levels predict survival in patients with portal hypertension undergoing TIPS”. In: *JHEP Rep* 6.5 (2024), p. 101054. DOI: 10.1016/j.jhepr.2024.101054. URL: <https://publications.rwth-aachen.de/record/1007200>.
- [174] Sven H. Loosen, Hans H. Bock, Martin Hellmich, Wolfram T. Knoefel, **Christian Trautwein**, Verena Keitel, Johannes G. Bode, Ulf P. Neumann, and **Tom Lüdde**. “Hospital Mortality and Current Trends in Liver Transplantation in Germany. A Systematic Analysis of Standardized Hospital Discharge Data, 2008–2017”. In: *Deutsches Ärzteblatt international* 118.29/30 (2021), pp. 497–502. DOI: 10.3238/arztebl.m2021.0210. URL: <https://publications.rwth-aachen.de/record/846383>.
- [175] Sven H. Loosen, Vincent van den Bosch, Joao Gorgulho, Maximilian Schulze-Hagen, Jennis Kandler, Markus S. Jördens, **Frank Tacke**, Christina Loberg, Gerald Antoch, Tim Henrik Brümmendorf, Ulf P. Neumann, **Christiane K. Kuhl**, **Tom Lüdde**, and Christoph Roderburg. “Progressive Sarcopenia Correlates with Poor Response and Outcome to Immune Checkpoint Inhibitor Therapy”. In: *Journal of Clinical Medicine* 10.7 (2021), p. 1361. DOI: 10.3390/jcm10071361. URL: <https://publications.rwth-aachen.de/record/846376>.

- [176] Sven H. Loosen, Tobias Essing, Markus Jördens, Alexander Koch, **Frank Tacke**, Wolfram T. Knoefel, Johannes Bode, Christoph Roderburg, and **Tom Lüdde**. “Current epidemiological trends and in-hospital mortality of acute pancreatitis in Germany: a systematic analysis of standardized hospital discharge data between 2008 and 2017”. In: *Zeitschrift für Gastroenterologie* 60.3 (2022), pp. 310–319. DOI: 10.1055/a-1682-7621. URL: <https://publications.rwth-aachen.de/record/860344>.
- [177] Sven H. Loosen, Justus Florian Halpaap, Simon Labuhn, Jan Bednarsch, Patrick Hamid Alizai, Anjali A. Roeth, Sven A. Lang, Mihael Vucur, Jakob N. Kather, Wolfram T. Knoefel, Tom Florian Ulmer, **Ulf Peter Neumann**, Christoph Roderburg, and **Tom Lüdde**. “Golgi Protein 73 (GP73) Serum Levels Predict Outcome after Resection of Biliary Tract Cancer”. In: *Cancers* 14.18 (2022), p. 4428. DOI: 10.3390/cancers14184428. URL: <https://publications.rwth-aachen.de/record/860338>.
- [178] Sven H. Loosen, Frederik J. Hansen, Denis Schatilow, **Theresa Wirtz**, Philipp A. Reuken, Johannes Bode, Anselm Kunstein, Mihael Vucur, Johanna Reißing, Georg Flügen, Mirco Castoldi, Andreas Stallmach, **Tom Lüdde**, **Tony Bruns**, and Christoph Roderburg. “Circulating extracellular vesicles predict outcome in patient undergoing transjugular intrahepatic portosystemic shunt (TIPS) placement”. In: *Scientific reports* 15.1 (2025), p. 35015. DOI: 10.1038/s41598-025-20562-0. URL: <https://publications.rwth-aachen.de/record/1020579>.
- [179] Sven H. Loosen, Björn-Erik Ole Jensen, Christian Tanislav, **Tom Lüdde**, Christoph Roderburg, and Karel Kostev. “Obesity and lipid metabolism disorders determine the risk for development of long COVID syndrome: a cross-sectional study from 50,402 COVID-19 patients”. In: *Infection. A journal of infectious disease* 50.5 (2022), pp. 1165–1170. DOI: 10.1007/s15010-022-01784-0. URL: <https://publications.rwth-aachen.de/record/860346>.
- [180] Sven H. Loosen, Karel Kostev, Markus S. Jördens, **Tom Lüdde**, and Christoph Roderburg. “Overlap between irritable bowel syndrome and common gastrointestinal diagnoses: a retrospective cohort study of 29,553 outpatients in Germany”. In: *BMC gastroenterology* 22.1 (2022), p. 48. DOI: 10.1186/s12876-022-02118-y. URL: <https://publications.rwth-aachen.de/record/860341>.
- [181] Sven H. Loosen, Pia Paffenholz, **Tom Lüdde**, Karel Kostev, and Christoph Roderburg. “Diverticular disease is associated with an increased incidence rate of depression and anxiety disorders”. In: *International journal of colorectal disease* 36.11 (2021), pp. 2437–2443. DOI: 10.1007/s00384-021-03937-3. URL: <https://publications.rwth-aachen.de/record/860351>.
- [182] Sven H. Loosen, Christoph Roderburg, Patrick H. Alizai, Anjali A. Roeth, Sophia M. Schmitz, Mihael Vucur, Mark Luedde, David Schöler, Pia Paffenholz, **Frank Tacke**, **Christian Trautwein**, **Tom Lüdde**, Ulf P. Neumann, and Tom F. Ulmer. “Comparative Analysis of Circulating Biomarkers for Patients Undergoing Resection of Colorectal Liver Metastases”. In: *Diagnostics. Open access journal* 11.11 (2021), p. 1999. DOI: 10.3390/diagnostics11111999. URL: <https://publications.rwth-aachen.de/record/846312>.
- [183] Sven H. Loosen, Christoph Roderburg, Markus S. Jördens, Georg Fluegen, **Tom Lüdde**, and Karel Kostev. “Overweight and Obesity Determine the Risk for Gastrointestinal Cancer in a Sex-Dependent Manner: A Retrospective Cohort Study of 287,357 Outpatients in Germany”. In: *Cancers* 14.4 (2022), p. 931. DOI: 10.3390/cancers14040931. URL: <https://publications.rwth-aachen.de/record/860343>.
- [184] Sven H. Loosen, David Schöler, Mark Luedde, Johannes Eschrich, **Tom Lüdde**, Karel Kostev, and Christoph Roderburg. “Differential role of chronic liver diseases on the incidence of cancer: a longitudinal analysis among 248,224 outpatients in Germany”. In: *Journal of cancer research and clinical oncology* 149.7 (2023), pp. 3081–3087. DOI: 10.1007/s00432-022-04198-5. URL: <https://publications.rwth-aachen.de/record/860342>.
- [185] Sven H. Loosen, Tom Florian Ulmer, Simon Labuhn, Jan Bednarsch, Sven Lang, Patrick Hamid Alizai, Anne Theres Schneider, Mihael Vucur, **Ulf Peter Neumann**, **Tom Lüdde**, and Christoph Roderburg. “Serum Levels of CXCL13 Are an Independent Predictor of Survival Following Resection of Biliary Tract Cancer”. In: *Cancers* 14.17 (2022), p. 4073. DOI: 10.3390/cancers14174073. URL: <https://publications.rwth-aachen.de/record/860348>.
- [186] 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* 15.1 (2021), pp. 40–50. DOI: 10.1038/s41385-021-00448-w. URL: <https://publications.rwth-aachen.de/record/828414>.

- [187] 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. URL: <https://publications.rwth-aachen.de/record/815761>.
- [188] Isabella Lurje and **Frank Tacke**. “The Interleukin 33–T Helper 2 Cell Axis Promotes Human Liver Fibrosis”. In: *Cellular and Molecular Gastroenterology and Hepatology* 17.4 (2024), pp. 657–659. DOI: 10.1016/j.jcmgh.2024.01.004. URL: <https://publications.rwth-aachen.de/record/1010385>.
- [189] 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. URL: <https://publications.rwth-aachen.de/record/791935>.
- [190] Dustin Mikolajetz, Sahir Kalim, **Heidi Noels**, Zhuojun Wu, Vera Jankowski, **Joachim Jankowski**, and Sofía de la Puente-Secades. “Impact of amino acid supplementation on cardiovascular and chronic kidney diseases: a systematic review”. In: *Cardiovascular research* 122.2 (2026), pp. 178–194. DOI: 10.1093/cvr/cvag007. URL: <https://publications.rwth-aachen.de/record/1032436>.
- [191] 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. URL: <https://publications.rwth-aachen.de/record/807345>.
- [192] 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. URL: <https://publications.rwth-aachen.de/record/815754>.
- [193] 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++CD16+ 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. URL: <https://publications.rwth-aachen.de/record/788070>.
- [194] Katrin Müller, Hanna Honcharova-Biletska, Christiane Koppe, Michèle Egger, Lap Kwan Chan, Anne T. Schneider, Lena Küsgens, Friederike Böhm, Yannick Boege, Marc E. Healy, Johannes Schmitt, Sarah Comtesse, Mirco Castoldi, Christian Preisinger, Marta Szydłowska, Enrico Focaccia, Nadine Gaisa, Sven H. Loosen, Simone Jörs, **Frank Tacke**, Christoph Roderburg, Verena Keitel, Johannes G. Bode, Peter Boor, Roger J. Davis, Thomas Longerich, Fabian Geisler, Mathias Heikenwalder, Achim Weber, Mihael Vucur, and **Tom Lüdde**. “JNK signaling prevents biliary cyst formation through a CASPASE-8-dependent function of RIPK1 during aging”. In: *Proceedings of the National Academy of Sciences of the United States of America* 118.12 (2021), e2007194118. DOI: 10.1073/pnas.2007194118. URL: <https://publications.rwth-aachen.de/record/846176>.
- [195] Mohamad Murad, Philipp A. Reuken, Kristin Schubert, Johanna Reißing, Oluwatomi Ibidapo-Obe, Karsten Große, Mick Frissen, Frederic Haedge, Majda El-Hassani, **Martin von Bergen**, and **Tony Bruns**. “The prognostic significance of HDL-associated apolipoproteins in ascitic fluid from patients with cirrhosis and spontaneous bacterial peritonitis”. In: *Scientific reports* 15.1 (2025), p. 25714. DOI: 10.1038/s41598-025-08238-1. URL: <https://publications.rwth-aachen.de/record/1023766>.
- [196] Supriya Murthy, Isabel Karkossa, Caroline Schmidt, Anne Hoffmann, Tobias Hagemann, Kathrin Rothe, Olga Seifert, Ulf Anderegg, **Martin von Bergen**, Kristin Schubert, and Manuela Rossol. “Danger signal extracellular calcium initiates differentiation of monocytes into SPP1/osteopontin-producing macrophages”. In: *Cell death & disease* 13.1 (2022), p. 53. DOI: 10.1038/s41419-022-04507-3. URL: <https://publications.rwth-aachen.de/record/838779>.

- [197] Moritz Muschaweck, Christian Gutbier, Gernot Sellge, Angeliki Pappa, Tobias Gregor Wenzl, Karim Hamesch, **Norbert Wagner**, and **Angela Schippers**. “Soluble mucosal addressin cell adhesion molecule 1 is a biomarker for pediatric ulcerative colitis”. In: *Molecular and Cellular Pediatrics* 13.1 (2026), p. 8. DOI: 10.1186/s40348-026-00221-8. URL: <https://publications.rwth-aachen.de/record/1029383>.
- [198] 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⁺ T cell receptor repertoires in the inflamed colon”. In: *Immunity* 54.11 (2021), 2565–2577.e6. DOI: 10.1016/j.immuni.2021.08.014. URL: <https://publications.rwth-aachen.de/record/834552>.
- [199] Hannah Sophie Muti, Lara Rosaline Heij, Gisela Keller, Meike Kohlruss, Rupert Langer, Bastian Dislich, Jae-Ho Cheong, Young-Woo Kim, Hyunki Kim, Myeong-Cherl Kook, David Cunningham, William H. Allum, Ruth E. Langley, Matthew G. Nankivell, Philip Quirke, Jeremy D. Hayden, Nicholas P. West, Andrew J. Irvine, Takaki Yoshikawa, Takashi Oshima, Ralf Huss, Bianca Grosser, Franco Roviello, Alessia d’Ignazio, Alexander Quaas, Hakan Alakus, Xiuxiang Tan, Alexander T. Pearson, **Tom Lüdde**, Matthias P. Ebert, Dirk Jäger, **Christian Trautwein**, Nadine Therese Gaisa, Heike I. Grabsch, and Jakob Nikolas Kather. “Development and validation of deep learning classifiers to detect Epstein-Barr virus and microsatellite instability status in gastric cancer. A retrospective multicentre cohort study”. In: *The lancet / Digital health* 3.10 (2021), e654–e664. DOI: 10.1016/S2589-7500(21)00133-3. URL: <https://publications.rwth-aachen.de/record/845917>.
- [200] Lene Secher Myrmel, Even Fjære, Mo Han, Benjamin Anderschou Hollbeck Jensen, Ulrike Rolle-Kampczyk, Niels Banhos Danneskiold-Samsøe, Quang Tri Ho, Anita Smette, **Martin von Bergen**, Liang Xiao, Karsten Kristiansen, and Lise Madsen. “The Food Sources in Western Diets Modulate Obesity Development, Insulin Sensitivity, and the Plasma and Cecal Metabolome in Mice”. In: *Molecular nutrition & food research* 68.16 (2024), p. 2400246. DOI: 10.1002/mnfr.202400246. URL: <https://publications.rwth-aachen.de/record/991648>.
- [201] Audrey Ncube, Lisa Bewersdorf, Lucas-Sebastian Spitzhorn, Christiane Loerch, Martina Bohndorf, Nina Graffmann, Lea May, Samira Amzou, Malin Fromme, Wasco Wruck, **Pavel Strnad**, and James Adjaye. “Generation of two Alpha-I antitrypsin deficiency patient-derived induced pluripotent stem cell lines ISRM-AATD-iPSC-1 (HHUUKDi011-A) and ISRM-AATD-iPSC-2 (HHUUKDi012-A)”. In: *Stem cell research* 71 (2023), [1]–5. DOI: 10.1016/j.scr.2023.103171. URL: <https://publications.rwth-aachen.de/record/982722>.
- [202] Patricia Maria Niemietz, Moritz Peiseler, Marlene Kohlhepp, Paul Horn, Kylie Matchett, Yuting Wang, Leon Haas, Tianjiao Zhang, Alix Bruneau, **Adrien Guillot**, Hilmar Berger, Anke Liepelt, Klaudia Theresa Warzecha, Catharina Demske, Diana Möckel, Twan Lammers, Neil Henderson, Felix Heymann, and **Frank Tacke**. “C-C chemokine receptor type 7 (CCR7) regulates hepatic CD8⁺ T cell homeostasis and response to acute liver injury”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 80.5 (2024), pp. 1104–1119. DOI: 10.1097/HEP.0000000000000757. URL: <https://publications.rwth-aachen.de/record/1007542>.
- [203] **Heidi Noels**, Emiel Petrus Carla van der Vorst, Sébastien Rubin, Amber Emmett, Nikolaus Marx, Maciej Tomaszewski, and **Joachim Jankowski**. “Renal-Cardiac Crosstalk in the Pathogenesis and Progression of Heart Failure”. In: *Circulation research* 136.11 (2025), pp. 1306–1334. DOI: 10.1161/CIRCRESAHA.124.325488. URL: <https://publications.rwth-aachen.de/record/1012226>.
- [204] Carlos Constantin Otto, Guanwu Wang, Anna Mantas, Daniel Heise, Philipp Bruners, Sven Lang, Tom Florian Ulmer, **Ulf Peter Neumann**, Lara Rosaline Heij, and Jan Bednarsch. “Time to surgery is not an oncological risk factor in HCC patients undergoing liver resection”. In: *Langenbeck’s archives of surgery* 408.1 (2023), p. 187. DOI: 10.1007/s00423-023-02922-4. URL: <https://publications.rwth-aachen.de/record/960308>.
- [205] Julia Otto, Anna Verwaayen, Christian Penners, Jana Hundertmark, Cheng Lin, Carina Kallen, Daniela Paffen, Tobias Otto, Hilmar Berger, **Frank Tacke**, Ralf Weiskirchen, **Yulia A. Nevzorova**, Matthias Bartneck, **Christian Trautwein**, Roland Sonntag, and **Christian Liedtke**. “Expression of Cyclin E1 in hepatic stellate cells is critical for the induction and progression of liver fibrosis and hepatocellular carcinoma in mice”. In: *Cell death & disease* 14.8 (2023), p. 549. DOI: 10.1038/s41419-023-06077-4. URL: <https://publications.rwth-aachen.de/record/967877>.

- [206] Burcin Özdirik, Hilmar Berger, Fernanda Raya Tonetti, Noemí Cabré, Nicole Treichel, **Thomas Clavel**, **Frank Tacke**, Michael Sigal, and Bernd Schnabl. “Faecal Cytolysin is Associated With Worse Survival in Patients With Primary Sclerosing Cholangitis”. In: *Liver international* 45.4 (2025), e16181. DOI: 10.1111/liv.16181. URL: <https://publications.rwth-aachen.de/record/1010391>.
- [207] Burcin Özdirik, Maria Scherf, Ana Brumercek, Jule M. Nicklaus, Tassilo Kruis, Philipp K. Haber, Johann Pratschke, **Frank Tacke**, and Michael Sigal. “Biliary microbial patterns in primary sclerosing cholangitis are linked to poorer transplant-free survival”. In: *Hepatology communications* 7.6 (2023), e0156. DOI: 10.1097/HC9.000000000000156. URL: <https://publications.rwth-aachen.de/record/1010367>.
- [208] **Oliver Pabst** and **Vuk Cerovic**. “Interferon- γ sensing by epithelial cells tames gut inflammation”. In: *Nature immunology* 25.1 (2024), pp. 9–10. DOI: 10.1038/s41590-023-01705-9. URL: <https://publications.rwth-aachen.de/record/983078>.
- [209] **Oliver Pabst**, **Mathias W. Hornef**, **Frank G. Schaap**, **Vuk Cerovic**, **Thomas Clavel**, and **Tony Bruns**. “Gut–liver axis: barriers and functional circuits”. In: *Nature reviews / Gastroenterology & hepatology* 20 (2023), pp. 447–461. DOI: 10.1038/s41575-023-00771-6. URL: <https://publications.rwth-aachen.de/record/960187>.
- [210] **Oliver Pabst** and Ana Maria Izcue. “Secretory IgA. Controlling the gut microbiota”. In: *Nature reviews / Gastroenterology & hepatology* 19.3 (2022), pp. 149–150. DOI: 10.1038/s41575-021-00563-w. URL: <https://publications.rwth-aachen.de/record/836427>.
- [211] **Oliver Pabst** and Carla R. Nowosad. “B cells and the intestinal microbiome in time, space and place”. In: *Seminars in immunology* 69 (2023), p. 101806. DOI: 10.1016/j.smim.2023.101806. URL: <https://publications.rwth-aachen.de/record/962138>.
- [212] **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. URL: <https://publications.rwth-aachen.de/record/780352>.
- [213] Kristian Jensen Pedersen, Sven-Bastiaan Haange, Kateřina Žizalová, Alina Viehof, **Thomas Clavel**, Martin Leniček, Beatrice Engelmann, Lukas Y. Wick, **Frank G. Schaap**, Nico Jehmlich, Ulrike Rolle-Kampczyk, and **Martin von Bergen**. “Eggerthella lenta DSM 2243 Alleviates Bile Acid Stress Response in *Clostridium ramosum* and *Anaerostipes caccae* by Transformation of Bile Acids”. In: *Microorganisms. Open access journal* 10.10 (2022), p. 2025. DOI: 10.3390/microorganisms10102025. URL: <https://publications.rwth-aachen.de/record/854665>.
- [214] Moritz Peiseler, Robert Schwabe, Jochen Hampe, Paul Kubes, Mathias Heikenwälder, and **Frank Tacke**. “Immune mechanisms linking metabolic injury to inflammation and fibrosis in fatty liver disease – novel insights into cellular communication circuits”. In: *Journal of hepatology* 77.4 (2022), pp. 1136–1160. DOI: 10.1016/j.jhep.2022.06.012. URL: <https://publications.rwth-aachen.de/record/1010343>.
- [215] 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. URL: <https://publications.rwth-aachen.de/record/828489>.
- [216] Moritz Peiseler and **Frank Tacke**. “Bile duct-associated macrophages enter the spotlight in inflammatory cholestatic liver disease”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 79.2 (2024), pp. 257–260. DOI: 10.1097/HEP.0000000000000576. URL: <https://publications.rwth-aachen.de/record/1010369>.
- [217] 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. URL: <https://publications.rwth-aachen.de/record/815753>.
- [218] 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. URL: <https://publications.rwth-aachen.de/record/803881>.

- [219] Linsey Jeanette Francine Peters, Leonida Rakateli, Rosanna Huchzermeier, Andrea Bonnin Marquez, Sanne L. Maas, Cheng Lin, Alexander Jans, Yana Geng, Alan Gorter, Marion Gijbels, Sander Rensen, Peter Olinga, Tim Hendrikx, Marcin Krawczyk, Malvina Brisbois, **Joachim Jankowski**, Kiril Bidzhekov, Christian Weber, Erik A. L. Biessen, Ronit Shiri-Sverdlov, Tom Houben, Yvonne Doering, Matthias Bartneck, and Emiel Petrus Carla van der Vorst. “MicroRNA-26b protects against MASH development in mice and can be efficiently targeted with lipid nanoparticles”. In: *eLife* 13 (2025), RP97165. DOI: 10.7554/eLife.97165. URL: <https://publications.rwth-aachen.de/record/1011653>.
- [220] 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. URL: <https://publications.rwth-aachen.de/record/812434>.
- [221] Nicoletta Prax, Stefanie Wagner, Jakob Schardt, Klaus Neuhaus, **Thomas Clavel**, and Thilo M. Fuchs. “A diet-specific microbiota drives Salmonella Typhimurium to adapt its in vivo response to plant-derived substrates”. In: *Animal microbiome* 3.1 (2021), p. 24. DOI: 10.1186/s42523-021-00082-8. URL: <https://publications.rwth-aachen.de/record/846068>.
- [222] Tobias Puengel, Sander Lefere, Jana Hundertmark, Marlene Kohlhepp, Christian Penners, Frederique Van de Velde, Bruno Lapauw, Anne Hoorens, Lindsey Devisscher, Anja Geerts, Stephanie Boehm, Qihong Zhao, John Krupinski, Edgar D. Charles, Bradley Zinker, and **Frank Tacke**. “Combined Therapy with a CCR2/CCR5 Antagonist and FGF21 Analogue Synergizes in Ameliorating Steatohepatitis and Fibrosis”. In: *International journal of molecular sciences* 23.12 (2022), p. 6696. DOI: 10.3390/ijms23126696. URL: <https://publications.rwth-aachen.de/record/854666>.
- [223] Tobias Puengel, Hanyang Liu, **Adrien Guillot**, Felix Heymann, **Frank Tacke**, and Moritz Peiseler. “Nuclear Receptors Linking Metabolism, Inflammation, and Fibrosis in Nonalcoholic Fatty Liver Disease”. In: *International journal of molecular sciences* 23.5 (2022), p. 2668. DOI: 10.3390/ijms23052668. URL: <https://publications.rwth-aachen.de/record/1010345>.
- [224] Tobias Puengel and **Frank Tacke**. “Cell type-specific actions of thyroid hormones in nonalcoholic steatohepatitis and liver fibrosis”. In: *Liver international* 44.2 (2024), pp. 275–278. DOI: 10.1111/liv.15783. URL: <https://publications.rwth-aachen.de/record/978242>.
- [225] Tobias Puengel and **Frank Tacke**. “Efruxifermin, an investigational treatment for fibrotic or cirrhotic nonalcoholic steatohepatitis (NASH)”. In: *Expert opinion on investigational drugs* 32.6 (2023), pp. 451–461. DOI: 10.1080/13543784.2023.2230115. URL: <https://publications.rwth-aachen.de/record/1010370>.
- [226] Tobias Puengel and **Frank Tacke**. “Pharmacotherapeutic options for metabolic dysfunction-associated steatotic liver disease: where are we today?” In: *Expert opinion on pharmacotherapy* 25.9 (2024), pp. 1249–1263. DOI: 10.1080/14656566.2024.2374463. URL: <https://publications.rwth-aachen.de/record/1010386>.
- [227] Tobias Puengel, Beate Weber, **Theresa Wirtz**, Lukas Buendgens, Sven H. Loosen, Lukas Geisler, Burcin Özdirik, Karim Hamesch, Samira Abu Jhaisha, Jonathan F. Brozat, Philipp Hohlstein, Albrecht Eisert, Eray Yagmur, **Christian Trautwein**, **Frank Tacke**, and Alexander Koch. “Low Serum Levels of Soluble Receptor Activator of Nuclear Factor κ B Ligand (sRANKL) Are Associated with Metabolic Dysregulation and Predict Long-Term Mortality in Critically Ill Patients”. In: *Diagnostics. Open access journal* 12.1 (2022), p. 62. DOI: 10.3390/diagnostics12010062. URL: <https://publications.rwth-aachen.de/record/839874>.
- [228] Sofía de la Puente-Secades, Dustin Mikolajetz, Nathalie Gayrard, Juliane Hermann, Vera Jankowski, Shruti Bhargava, Amina Meyer, Àngel Argilés, Turgay Saritas, Emiel Petrus Carla van der Vorst, Zhuojun Wu, **Heidi Noels**, Martin Tepel, Khaleda Alghamdi, Donald Ward, Walter Zidek, Michael Wolf, Jürgen Flöge, Leon J. Schurgers, Setareh Orth-Alampour, and **Joachim Jankowski**. “Vasoconstriction-inhibiting factor: an endogenous inhibitor of vascular calcification as a calcimimetic of calcium-sensing receptor”. In: *Cardiovascular research* 121.3 (2025), pp. 507–521. DOI: 10.1093/cvr/cvaf016. URL: <https://publications.rwth-aachen.de/record/1005964>.

- [229] Tobias Püngel, 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. URL: <https://publications.rwth-aachen.de/record/791898>.
- [230] Tobias Püngel 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. URL: <https://publications.rwth-aachen.de/record/828593>.
- [231] Alexander Queck, Hannah Bode, Frank E. Uschner, Maximilian J. Brol, Christiana Graf, Martin Schulz, Christian Jansen, Michael Praktiknjo, Robert Schierwagen, Sabine Klein, **Christian Trautwein**, Hermann Elard 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. URL: <https://publications.rwth-aachen.de/record/813493>.
- [232] Alexander Queck, Louise Schwierz, Wenyi Gu, Philip G. Ferstl, Christian Jansen, Frank E. Uschner, Michael Praktiknjo, Johannes Chang, Maximilian J. Brol, Filippo Schepis, Manuela Merli, Christian P. Strassburg, Jennifer Lehmann, Carsten Meyer, and **Jonel Trebicka**. “Targeted decrease of portal hepatic pressure gradient improves ascites control after TIPS”. In: *Hepatology* 77.2 (2023), pp. 466–475. DOI: 10.1002/hep.32676. URL: <https://publications.rwth-aachen.de/record/889195>.
- [233] Alexander Queck, Dominique Thomas, Christian Jansen, Yannick Schreiber, Sabrina Rüschenbaum, Michael Praktiknjo, 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. URL: <https://publications.rwth-aachen.de/record/815756>.
- [234] Alexander Queck, Frank E. Uschner, Philip G. Ferstl, Martin Schulz, Maximilian J. Brol, Michael Praktiknjo, 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. URL: <https://publications.rwth-aachen.de/record/828617>.
- [235] Stefanie Quickert, Silvia Würstle, Philipp A. Reuken, Stefan Hagel, Jochen Schneider, Roland M. Schmid, Sophie Neugebauer, Andreas Stallmach, and **Tony Bruns**. “Real-World Effectiveness of Piperacillin/Tazobactam with and without Linezolid for Spontaneous Bacterial Peritonitis”. In: *Digestive diseases* 40.6 (2022), pp. 777–786. DOI: 10.1159/000522259. URL: <https://publications.rwth-aachen.de/record/848650>.
- [236] Prakash Ramachandran and **Frank Tacke**. “Exploring the role of macrophages in the pathogenesis of alcohol-associated liver disease”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 81.3 (2025), pp. 762–764. DOI: 10.1097/HEP.0000000000000976. URL: <https://publications.rwth-aachen.de/record/1010387>.
- [237] Pierluigi Ramadori, Marius Maximilian Woitok, Olga Estévez-Vázquez, Raquel Benedé-Ubieto, Hector Leal-Lassalle, Arantza Lamas-Paz, Feifei Guo, Jeanne Fabre, Julia Otto, Anna Verwaayen, Johanna Reißing, **Tony Bruns**, Stephanie Erschfeld, Ute Haas, Daniela Paffen, Leonard J. Nelson, Javier Vaquero, Rafael Bañares, **Christian Trautwein**, Francisco Javier Cubero, **Christian Liedtke**, and **Yulia A. Nevzorova**. “Lack of Cyclin E1 in hepatocytes aggravates ethanol-induced liver injury and hepatic steatosis in experimental murine model of acute and chronic alcohol-associated liver disease”. In: *Biochimica et biophysica acta / Molecular basis of disease* 1869.4 (2023), p. 166646. DOI: 10.1016/j.bbdis.2023.166646. URL: <https://publications.rwth-aachen.de/record/968008>.
- [238] Katharina Charlotte 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. URL: <https://publications.rwth-aachen.de/record/780555>.

- [239] Johanna Reißing, **Marie-Luise Berres**, **Pavel Strnad**, Alexander Wree, Maria Eugenia Inzaugarat, **Christian Trautwein**, **Tony Bruns**, and Henning Wolfgang Zimmermann. “Th2 Cell Activation in Chronic Liver Disease Is Driven by Local IL33 and Contributes to IL13-Dependent Fibrogenesis”. In: *Cellular and Molecular Gastroenterology and Hepatology* 17.4 (2024), pp. 517–538. DOI: 10.1016/j.jcmgh.2023.12.011. URL: <https://publications.rwth-aachen.de/record/1007448>.
- [240] 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 (2021), p. 31. DOI: 10.1038/s43705-021-00033-z. URL: <https://publications.rwth-aachen.de/record/835050>.
- [241] Katharina Remih, Franziska-Maria Hufnagel, Anna Sophie Karl, Valerie Durkalski-Mauldin, William Martens Lee, Constantine J. Karvellas, Zemin Su, Jody A. Rule, Petra Tomanová, Laura Krieg, Isabel Karkossa, Kristin Schubert, **Martin von Bergen**, **Frank Tacke**, Sonja Luckhardt, Nicole Ziegler, Aimo Kannt, Bastian Engel, Richard Taubert, Robert John Fontana, and **Pavel Strnad**. “Serum proteomics of adults with Acute Liver Failure provide mechanistic insights and attractive prognostic biomarkers”. In: *JHEP reports* 7.5 (2025), p. 101338. DOI: 10.1016/j.jhepr.2025.101338. URL: <https://publications.rwth-aachen.de/record/1008861>.
- [242] Miriam D. Rendel, Cecilia Vitali, Kate Townsend Creasy, David Zhang, Eleonora Scorletti, Helen Huang, Katharina Sophie Seeling, Joseph Park, Leonida Hehl, Mara Vell, Donna Conlon, Sikander Hayat, Michael C. Phillips, **Kai Markus Schneider**, Daniel J. Rader, and **Carolyn Victoria Schneider**. “The common p.Ile291Val variant of ERLIN1 enhances TM6SF2 function and is associated with protection against MASLD”. In: *Med* 5.8 (2024), 963–980.e5. DOI: 10.1016/j.medj.2024.04.010. URL: <https://publications.rwth-aachen.de/record/988239>.
- [243] Philipp A. Reuken, Jonathan F. Brozat, Stefanie Quickert, Oluwatomi Ibidapo-obe, Johanna Reißing, Anika Franz, Sven Stengel, Ulf K.-M. Teichgräber, Michael Kiehntopf, **Christian Trautwein**, Andreas Stallmach, Alexander Koch, and **Tony Bruns**. “Soluble mannose receptor CD206 and von Willebrand factor are early biomarkers to identify patients at risk for severe or necrotizing acute pancreatitis”. In: *Journal of Intensive Care* 10.1 (2022), p. 28. DOI: 10.1186/s40560-022-00619-2. URL: <https://publications.rwth-aachen.de/record/849793>.
- [244] Milad Rezvani, Ludovic Vallier, and **Adrien Guillot**. “Modeling Nonalcoholic Fatty Liver Disease in the Dish Using Human-Specific Platforms: Strategies and Limitations”. In: *Cellular and Molecular Gastroenterology and Hepatology* 15.5 (2023), pp. 1135–1145. DOI: 10.1016/j.jcmgh.2023.01.014. URL: <https://publications.rwth-aachen.de/record/1010371>.
- [245] 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. URL: <https://publications.rwth-aachen.de/record/793498>.
- [246] Beate Richter, Sarah Zafarnia, **Felix Gremse**, **Fabian Kießling**, Hubert Scheuerlein, Utz Settmacher, and Uta Dahmen. “Corrosion Cast and 3D Reconstruction of the Murine Biliary Tree After Biliary Obstruction. Quantitative Assessment and Comparison With 2D Histology”. In: *Journal of Clinical and Experimental Hepatology* 12.3 (2022), pp. 755–766. DOI: 10.1016/j.jceh.2021.12.008. URL: <https://publications.rwth-aachen.de/record/854987>.
- [247] Jesús Rivera-Esteban, Sergio Muñoz-Martínez, Mónica Higuera, Elena Sena, María Bermúdez-Ramos, Juan Bañares, María Martínez-Gomez, M. Serra Cusidó, Alba Jiménez-Masip, Sven M. Francque, **Frank Tacke**, Beatriz Minguez, and Juan M. Pericàs. “Phenotypes of Metabolic Dysfunction–Associated Steatotic Liver Disease–Associated Hepatocellular Carcinoma”. In: *Clinical gastroenterology and hepatology* 22.9 (2024), 1774–1789.e8. DOI: 10.1016/j.cgh.2024.03.028. URL: <https://publications.rwth-aachen.de/record/1010388>.

- [248] Christoph Roderburg, Tobias Essing, Linde Kehmann, Sarah Krieg, Simon Labuhn, Jennis Kandler, **Tom Lüdde**, and Sven H. Loosen. “Current Trends in Inpatient Care and In-Hospital Mortality of Cholangiocarcinoma in Germany: A Systematic Analysis between 2010 and 2019”. In: *Cancers* 14.16 (2022), p. 4038. DOI: 10.3390/cancers14164038. URL: <https://publications.rwth-aachen.de/record/860340>.
- [249] Christoph Roderburg, Sven H. Loosen, Jan Bednarsch, Patrick H. Alizai, Anjali A. Roeth, Sophia M. Schmitz, Mihael Vucur, Mark Luedde, Pia Paffenholz, **Frank Tacke**, **Christian Trautwein**, Tom F. Ulmer, **Ulf Peter Neumann**, and **Tom Lüdde**. “Levels of Circulating PD-L1 Are Decreased in Patients with Resectable Cholangiocarcinoma”. In: *International journal of molecular sciences* 22.12 (2021), p. 6569. DOI: 10.3390/ijms22126569. URL: <https://publications.rwth-aachen.de/record/846384>.
- [250] Christoph Roderburg, Sven H. Loosen, Markus S. Joerdens, Münevver Demir, **Tom Lüdde**, and Karel Kostev. “Antibiotic therapy is associated with an increased incidence of cancer”. In: *Journal of cancer research and clinical oncology* 149.3 (2023), pp. 1285–1293. DOI: 10.1007/s00432-022-03998-z. URL: <https://publications.rwth-aachen.de/record/860352>.
- [251] Christoph Roderburg, Sven H. Loosen, Anselm Kunstein, Raphael Mohr, Markus S. Jördens, Mark Luedde, Karel Kostev, and **Tom Lüdde**. “Cancer Patients Have an Increased Incidence of Dementia: A Retrospective Cohort Study of 185,736 Outpatients in Germany”. In: *Cancers* 13.9 (2021), p. 2027. DOI: 10.3390/cancers13092027. URL: <https://publications.rwth-aachen.de/record/860336>.
- [252] 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. URL: <https://publications.rwth-aachen.de/record/788071>.
- [253] Benjamin Rolles, Joao Gorgulho, Mareike Tometten, Christoph Roderburg, Margherita Vieri, Anne Abels, Mihael Vucur, Felix Heymann, **Frank Tacke**, Tim Henrik Brümmendorf, **Tom Lüdde**, Fabian Beier, and Sven H. Loosen. “Telomere Shortening in Peripheral Leukocytes Is Associated With Poor Survival in Cancer Patients Treated With Immune Checkpoint Inhibitor Therapy”. In: *Frontiers in oncology* 11 (2021), p. 729207. DOI: 10.3389/fonc.2021.729207. URL: <https://publications.rwth-aachen.de/record/851153>.
- [254] 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. URL: <https://publications.rwth-aachen.de/record/828494>.
- [255] Michael Rooney, Shivalee N. Duduskar, Mohamed Ghait, Johanna Reißing, Sven Stengel, Philipp A. Reuken, Stefanie Quickert, Alexander Zipprich, Michael Bauer, Ashley J. Russo, Vijay A. Rathinam, Andreas Stallmach, Ignacio Rubio, and **Tony Bruns**. “Type-I interferon shapes peritoneal immunity in cirrhosis and drives caspase-5-mediated progranulin release upon infection”. In: *Journal of hepatology* 18.6 (2024), pp. 971–982. DOI: 10.1016/j.jhep.2024.06.019. URL: <https://publications.rwth-aachen.de/record/989319>.
- [256] Florian A. Rosenberger, Sophia C. Mädler, Katrine Holtz Thorhauge, Sophia Steigerwald, Malin Fromme, Mikhail Lebedev, Caroline A. M. Weiss, Marc Oeller, Maria Wahle, Andreas Metousis, Maximilian Zwiebel, Niklas A. Schmacke, Sönke Detlefsen, Peter Boor, Ondřej Fabián, Soňa Fraňková, Aleksander Krag, **Pavel Strnad**, and Matthias Mann. “Deep Visual Proteomics maps proteotoxicity in a genetic liver disease”. In: *Nature. International weekly journal of science* 642.8067 (2025), pp. 484–491. DOI: 10.1038/s41586-025-08885-4. URL: <https://publications.rwth-aachen.de/record/1019326>.
- [257] Mathias Ruiz, Florence Lacaille, Christina Schrader, Monica Pons, Piotr Socha, Aleksander Krag, Ekkehard Sturm, Marion Bouche-careilh, and **Pavel Strnad**. “Pediatric and Adult Liver Disease in Alpha-1 Antitrypsin Deficiency”. In: *Seminars in liver disease* 43.3 (2023), pp. 258–2666. DOI: 10.1055/a-2122-7674. URL: <https://publications.rwth-aachen.de/record/960928>.
- [258] Raphael Schäfer, Till Nicke, Henning Höfener, Annkristin Lange, Dorit Merhof, Friedrich Feuerhake, Volkmar Adolf Schulz, Johannes Lotz, and **Fabian Kießling**. “Overcoming data scarcity in biomedical imaging with a foundational multi-task model”. In: *Nature computational science* 4.7 (2024), pp. 495–509. DOI: 10.1038/s43588-024-00662-z. URL: <https://publications.rwth-aachen.de/record/990592>.

- [259] Robert Schierwagen, Peter Dietrich, Sabine Klein, Frank Erhard Uschner, Cristina Ortiz, Olaf Tyc, Sandra Torres, Claus Hellerbrand, Tilman Sauerbruch, and **Jonel Trebicka**. “ β -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. URL: <https://publications.rwth-aachen.de/record/834280>.
- [260] 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. Rheinwalt, 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. URL: <https://publications.rwth-aachen.de/record/815762>.
- [261] **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/ α 4 β 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. URL: <https://publications.rwth-aachen.de/record/808794>.
- [262] Stefan Schlößer, Anna-Lena Ullrich, Nastaran Fazel Modares, Matthias Schmitz, Johannes Schöneich, Kaiyi Zhang, Isabel Richter, Laura Marie Robrahn, Sarah Schraven, James S. Nagai, Sven-Bastiaan Haange, Susan A. V. Jennings, **Thomas Clavel**, Ulrike Rolle-Kampczyk, **Fabian Kießling**, Ivan G. Costa, Vanesa Muncan, Urska Repnik, **Martin von Bergen**, Aline Dupont, and **Mathias W. Hornef**. “Salmonella infection accelerates postnatal maturation of the intestinal epithelium”. In: *Proceedings of the National Academy of Sciences of the United States of America* 122.1 (2025), e2403344122. DOI: 10.1073/pnas.2403344122. URL: <https://publications.rwth-aachen.de/record/1000099>.
- [263] Matthias Schmitz, Nicholas J. Dimonaco, **Thomas Clavel**, and Thomas C. A. Hitch. “Lineage-specific microbial protein prediction enables large-scale exploration of protein ecology within the human gut”. In: (2024), 30 Seiten. DOI: 10.1101/2024.05.29.596415. URL: <https://publications.rwth-aachen.de/record/995971>.
- [264] Matthias Schmitz, Nicholas J. Dimonaco, **Thomas Clavel**, and Thomas C. A. Hitch. “Lineage-specific microbial protein prediction enables large-scale exploration of protein ecology within the human gut”. In: *Nature Communications* 16 (2025), p. 3204. DOI: 10.1038/s41467-025-58442-w. URL: <https://publications.rwth-aachen.de/record/1011733>.
- [265] Annika R. P. Schneider, **Carolin Victoria Schneider**, **Kai Markus Schneider**, Vanessa Baier, Steffen Schaper, Christian Diedrich, Katrin Coboeken, Hannah Mayer, Wenyi Gu, **Jonel Trebicka**, **Lars Mathias Blank**, Rolf Burghaus, Joerg Lippert, Daniel J. Rader, Christoph A. Thaiss, Jan-Frederik Schlender, **Christian Trautwein**, and **Lars Küpfer**. “Early prediction of decompensation (EPOD) score: Non-invasive determination of cirrhosis decompensation risk”. In: *Liver international* 42.3 (2022), pp. 640–650. DOI: 10.1111/liv.15161. URL: <https://publications.rwth-aachen.de/record/855007>.
- [266] **Carolin Victoria Schneider**, Malin Fromme, **Kai Markus Schneider**, **Tony Bruns**, and **Pavel Strnad**. “Mortality in Patients With Genetic and Environmental Risk of Liver Disease”. In: *The American journal of gastroenterology* 116.8 (2021), pp. 1741–1745. DOI: 10.14309/ajg.0000000000001326. URL: <https://publications.rwth-aachen.de/record/848652>.
- [267] **Carolin Victoria Schneider**, Stefan Gross, Sriram Balasubramani, Petra Tomanová, Christina Schrader, Malin Fromme, Mattias Mandorfer, **Nurdan Guldiken**, **Kai Markus Schneider**, Georg Lurje, Anastasia Raptis, Helen Ye Rim Huang, Sebastian Mueller, Thomas Reiberger, Pierre Nahon, Quentin M. Anstee, Ann K. Daly, Olivier Govaere, and **Pavel Strnad**. “Insulin-like Growth Factor-1 Reflects Liver Disease Stage and Improves Prediction of Liver-related Mortality”. In: *Clinical gastroenterology and hepatology* 23.13 (2025), pp. 2559–2569. DOI: 10.1016/j.cgh.2025.02.030. URL: <https://publications.rwth-aachen.de/record/1013796>.
- [268] **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. URL: <https://publications.rwth-aachen.de/record/808392>.

- [269] **Kai Markus Schneider**, Feng Cao, Helen Ye Rim Huang, Lanlan Chen, Yazhou Chen, Rongpeng Gong, Anastasia Raptis, Kate Townsend Creasy, Jan Niklas Clusmann, Felix van Haag, Paul-Henry Koop, **Adrien Guillot**, **Tom Lüdde**, Rohit Loomba, Sven Francque, and **Carolin Victoria Schneider**. “The Lipidomic Profile Discriminates Between MASLD and MetALD”. In: *Alimentary pharmacology & therapeutics* 61.8 (2025), pp. 1357–1371. DOI: 10.1111/apt.70012. URL: <https://publications.rwth-aachen.de/record/1012647>.
- [270] **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. URL: <https://publications.rwth-aachen.de/record/815759>.
- [271] David Schöler, Karel Kostev, Münevver Demir, Mark Luedde, Marcel Konrad, **Tom Lüdde**, Christoph Roderburg, and Sven H. Loosen. “An Elevated FIB-4 Score Is Associated with an Increased Incidence of Depression among Outpatients in Germany”. In: *Journal of Clinical Medicine* 11.8 (2022), p. 2214. DOI: 10.3390/jcm11082214. URL: <https://publications.rwth-aachen.de/record/860350>.
- [272] Johannes Schöneich, Aline Dupont, Stefan Schlößer, Matthias Schmitz, Isabel Richter, Narasimha Murthy Keshava Prasad Gubbi, Mingbo Cheng, Tiago Maié, Sofia Jäverfelt, Fabian Imdahl, Christophe Toussaint, Antoine-Emmanuel Saliba, Christoph Kuppe, Thaher Pelaseyed, Ivan G. Costa, and **Mathias W. Hornef**. “Developmental factors drive the compartmentalised and discontinuous maturation of the small intestinal epithelium during the early postnatal period”. In: (2025), 43 Seiten. DOI: 10.1101/2025.05.15.654215. URL: <https://publications.rwth-aachen.de/record/1012467>.
- [273] Simon Schophaus, Kate Townsend Creasy, Paul-Henry Koop, Jan Clusmann, Julius Jaeger, Varnitha Pun-nuru, Alexander Koch, **Christian Trautwein**, Rohit Loomba, **Tom Lüdde**, **Kai Markus Schneider**, and **Carolin Victoria Schneider**. “Machine learning uncovers manganese as a key nutrient associated with reduced risk of steatotic liver disease”. In: *Liver international* 44.10 (2024), pp. 2807–2821. DOI: 10.1111/liv.16055. URL: <https://publications.rwth-aachen.de/record/990682>.
- [274] Sarah Schraven. “Characterization of the gut-liver axis using fluorescence-based hybrid imaging techniques”. PhD thesis. Aachen: RWTH Aachen University, 2025, 1 Online-Ressource : Illustrationen. DOI: 10.18154/RWTH-2025-00559. URL: <https://publications.rwth-aachen.de/record/1002480>.
- [275] Sarah Schraven, Ramona Brück, Stefanie Rosenhain, Teresa Lemainque, David Heines, Hormoz Noor-mohammadian, **Oliver Pabst**, **Wiltrud Lederle**, **Felix Gremse**, and **Fabian Kießling**. “CT- and MRI-Aided Fluorescence Tomography Reconstructions for Biodistribution Analysis”. In: *Investigative radiology* 59.7 (2023), pp. 504–512. DOI: 10.1097/RLI.0000000000001052. URL: <https://publications.rwth-aachen.de/record/976458>.
- [276] Sarah Schraven, Stefanie Rosenhain, Ramona Brueck, Tim Marvin Wiechmann, Robert Pola, Tomáš Etrych, **Wiltrud Lederle**, Twan Lammers, **Felix Gremse**, and **Fabian Kießling**. “Dye labeling for optical imaging biases drug carriers’ biodistribution and tumor uptake”. In: *Nanomedicine* 48 (2023), p. 102650. DOI: 10.1016/j.nano.2023.102650. URL: <https://publications.rwth-aachen.de/record/957383>.
- [277] Kristin Schubert, Isabel Karkossa, Jana Schor, Beatrice Engelmann, Lisa Maria Steinheuer, **Tony Bruns**, Ulrike Rolle-Kampczyk, Jörg Hackermüller, and **Martin von Bergen**. “A Multi-Omics Analysis of Mucosal-Associated-Invariant T Cells Reveals Key Drivers of Distinct Modes of Activation”. In: *Frontiers in immunology* 12 (2021), p. 616967. DOI: 10.3389/fimmu.2021.616967. URL: <https://publications.rwth-aachen.de/record/848653>.
- [278] Maximilian Schulze-Hagen, Christoph Roderburg, Theresa H. Wirtz, Markus S. Jördens, Lukas Bünd-gens, Samira Abu Jhaisha, Philipp Hohlstein, Jonathan Frederik Brozat, Philipp Bruners, Christina Loberg, **Christiane K. Kuhl**, **Christian Trautwein**, **Frank Tacke**, **Tom Lüdde**, Sven H. Loosen, and Alexander Koch. “Decreased Bone Mineral Density Is a Predictor of Poor Survival in Critically Ill Patients”. In: *Journal of Clinical Medicine* 10.16 (2021), p. 3741. DOI: 10.3390/jcm10163741. URL: <https://publications.rwth-aachen.de/record/851422>.

- [279] Ulrike Schulze-Späte, Ludwig Wurschi, Emiel Petrus Carla van der Vorst, Frank Hölzle, Rogerio B. Craveiro, Michael Wolf, and **Heidi Noels**. “Crosstalk between periodontitis and cardiovascular risk”. In: *Frontiers in immunology* 15 (2024), p. 1469077. DOI: 10.3389/fimmu.2024.1469077. URL: <https://publications.rwth-aachen.de/record/1005836>.
- [280] Monika Schütz. “B-cell phenotypes and BCR clonality in the human gut-liver axis. A tissue-specific analysis”. PhD thesis. Aachen: RWTH Aachen University, 2025, 1 Online-Ressource : Illustrationen. DOI: 10.18154/RWTH-2025-10597. URL: <https://publications.rwth-aachen.de/record/1023245>.
- [281] 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. URL: <https://publications.rwth-aachen.de/record/834281>.
- [282] Annika Schwentker. “Enterohepatic cooperation in the postnatal establishment of immune homeostasis”. PhD thesis. Aachen: RWTH Aachen University, 2023, 1 Online-Ressource : Illustrationen, Diagramme. DOI: 10.18154/RWTH-2023-00928. URL: <https://publications.rwth-aachen.de/record/889044>.
- [283] 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. URL: <https://publications.rwth-aachen.de/record/824679>.
- [284] Yaroslava Shevchenko, Isabella Lurje, **Frank Tacke**, and Linda Hammerich. “Fluorochrome-dependent specific changes in spectral profiles using different compensation beads or primary cells in full spectrum cytometry”. In: *Cytometry / Part A* 105.6 (2024), pp. 458–463. DOI: 10.1002/cyto.a.24836. URL: <https://publications.rwth-aachen.de/record/988763>.
- [285] Britta Simons, Hieu Trong Nguyen, Atscharah Panyot, Fabian Tobias Hager, Johanna Kabbert, Asmae Laouina, Jonathan Schreiber, Lydia Kopplin, Tim Rollenske, **Thomas Clavel**, and **Oliver Pabst**. “Clonal persistence dominates homeostatic intestinal IgA responses”. In: *Immunity* 58.12 (2025), 3061–3074.e5. DOI: 10.1016/j.immuni.2025.11.005. URL: <https://publications.rwth-aachen.de/record/1022821>.
- [286] Josefin Soppert, Elisa Fabiana Brandt, Nicole Maria Heussen, **Emona Barzakova**, **Lars Mathias Blank**, **Lars Küpfer**, **Mathias W. Hornef**, **Jonel Trebicka**, **Joachim Jankowski**, **Marie-Luise Berres**, and **Heidi Noels**. “Blood endotoxin levels as biomarker of non-alcoholic fatty liver disease: a systematic review and meta-analysis”. In: *Clinical Gastroenterology and Hepatology* 21.11 (2023), pp. 2746–2758. DOI: 10.1016/j.cgh.2022.11.030. URL: <https://publications.rwth-aachen.de/record/860818>.
- [287] Igor Spivak, **Nurdan Guldiken**, Valentyn Usachov, **Frank G. Schaap**, **Steven W. M. Olde Damink**, Marion Bouche-careilh, Alexandra Lehmann, Lei Fu, Fa-Rong Mo, Gökce Kobazi Ensari, Franziska Hufnagel, Malin Fromme, Christian Preisinger, and **Pavel Strnad**. “Alpha-1 Antitrypsin Inclusions Sequester GRP78 in a Bile Acid-Inducible Manner”. In: *Liver international* 45.1 (2025), e16207. DOI: 10.1111/liv.16207. URL: <https://publications.rwth-aachen.de/record/1000158>.
- [288] 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. URL: <https://publications.rwth-aachen.de/record/809963>.
- [289] **Pavel Strnad**, Mattias Mandorfer, Gourab Choudhury, William Griffiths, **Christian Trautwein**, Rohit Loomba, Thomas Schluep, Ting Chang, Min Yi, Bruce D. Given, James C. Hamilton, Javier San Martin, and Jeffery H. Teckman. “Fazirsiran for Liver Disease Associated with Alpha1-Antitrypsin Deficiency”. In: *The New England journal of medicine* 387.6 (2022), pp. 514–524. DOI: 10.1056/NEJMoa2205416. URL: <https://publications.rwth-aachen.de/record/855006>.
- [290] **Pavel Strnad** and Javier San Martin. “RNAi therapeutics for diseases involving protein aggregation: fazirsiran for alpha-1 antitrypsin deficiency-associated liver disease”. In: *Expert opinion on investigational drugs* 32.7 (2023), pp. 571–581. DOI: 10.1080/13543784.2023.2239707. URL: <https://publications.rwth-aachen.de/record/982720>.

- [291] Huan Su, Madhuri Haque, Svea Becker, Karolina Edlund, Julia Duda, Qingbi Wang, Johanna Reifßing, Hanns-Ulrich Marschall, **Lena Susanna Candels**, Mohamed Ramadan Mohamed Mohamed, Wilhelm Sjöland, Lijun Liao, Stephan A. Drexler, Till Strowig, Jörg Rahnenführer, Jan G. Hengstler, **Maximilian Hatting**, and **Christian Trautwein**. “Long-term hypercaloric diet exacerbates metabolic liver disease in PNPLA3 I148M animals”. In: *Liver international* 43.8 (2023), pp. 1699–1713. DOI: 10.1111/liv.15587. URL: <https://publications.rwth-aachen.de/record/957971>.
- [292] 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. URL: <https://publications.rwth-aachen.de/record/784588>.
- [293] **Frank Tacke**, Tobias Puengel, Rohit Loomba, and Scott L. Friedman. “An integrated view of anti-inflammatory and antifibrotic targets for the treatment of NASH”. In: *Journal of hepatology* 79.2 (2023), pp. 552–566. DOI: 10.1016/j.jhep.2023.03.038. URL: <https://publications.rwth-aachen.de/record/1010372>.
- [294] **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. URL: <https://publications.rwth-aachen.de/record/828492>.
- [295] **Frank Tacke**, Henning Wolfgang Zimmermann, **Marie-Luise Berres**, **Christian Trautwein**, and Hermann E. Wasmuth. “Serum chemokine receptor CXCR3 ligands are associated with progression, organ dysfunction and complications of chronic liver diseases”. In: *Liver international* 31.6 (2011), pp. 840–849. DOI: 10.1111/j.1478-3231.2011.02504.x. URL: <https://publications.rwth-aachen.de/record/152286>.
- [296] Mirko Thamm, Stefanie Rosenhain, Kevin Leonardic, Andreas Höfter, **Fabian Kießling**, Franz Osl, Thomas Pöschinger, and **Felix Gremse**. “Intrinsic Respiratory Gating for Simultaneous Multi-Mouse μ CT Imaging to Assess Liver Tumors”. In: *Frontiers in medicine* 9 (2022), p. 878966. DOI: 10.3389/fmed.2022.878966. URL: <https://publications.rwth-aachen.de/record/850726>.
- [297] Anne Carina Thelen, N. Andreani, Nele Korten, M. Neumann, Valerie Verspohl, M. van Egmond, Lilly Kneisel, Clara Voelz, Larissa Blischke, J. F. Baines, Jasmin Baier, Jan Schumacher, **Fabian Kießling**, Beate Herpertz-Dahlmann, Cordian Beyer, L. Keller, J. Seitz, and Stefanie Nhu-Binh Trinh. “The Influence of Omega-3 Fatty Acids and Probiotics on Hippocampal Inflammation and Glial Cells in a Chronic Anorexia Nervosa Rat Model”. In: *The international journal of eating disorders* 59.2 (2026), pp. 260–275. DOI: 10.1002/eat.24574. URL: <https://publications.rwth-aachen.de/record/1020793>.
- [298] 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. URL: <https://publications.rwth-aachen.de/record/791933>.
- [299] Herbert Tilg, Timon E. Adolph, and **Frank Tacke**. “Therapeutic modulation of the liver immune microenvironment”. In: *Hepatology* 78.5 (2023), pp. 1581–1601. DOI: 10.1097/HEP.0000000000000386. URL: <https://publications.rwth-aachen.de/record/1010373>.
- [300] Diana M. Toivola, Lauri Polari, Tobias Schwerd, Nicolas Schlegel, and **Pavel Strnad**. “The keratin-desmosome scaffold of internal epithelia in health and disease - The plot is thickening”. In: *Current opinion in cell biology* 86 (2024), p. 102282. DOI: 10.1016/j.ceb.2023.102282. URL: <https://publications.rwth-aachen.de/record/981980>.
- [301] Natalia Torow, Timothy W. Hand, and **Mathias W. Hornef**. “Programmed and environmental determinants driving neonatal mucosal immune development”. In: *Immunity* 56.3 (2023), pp. 485–499. DOI: 10.1016/j.immuni.2023.02.013. URL: <https://publications.rwth-aachen.de/record/953437>.

- [302] Natalia Torow, Ronghui Li, Thomas C. A. Hitch, Clemens Mingels, Shahed Al Bounny, Niels van Best, Eva-Lena Stange, Britta Simons, Tiago Maié, Lennart Rüttger, Narasimha Murthy Keshava Prasad Gubbi, Darryl Adelaide Abbott, Adam Benabid, Michael Gadermayr, Solveig Runge, Nicole Treichel, Dorit Merhof, Stephan Patrick Rosshart, Nico Jehmlich, Timothy Wesley Hand, **Martin von Bergen**, Felix Heymann, **Oliver Pabst**, **Thomas Clavel**, **Frank Tacke**, Hugues Lelouard, Ivan G. Costa, and **Mathias W. Hornef**. “M cell maturation and cDC activation determine the onset of adaptive immune priming in the neonatal Peyer’s patch”. In: *Immunity* 56.6 (2023), 1220–1238, e1–e7. DOI: 10.1016/j.immuni.2023.04.002. URL: <https://publications.rwth-aachen.de/record/958070>.
- [303] 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. URL: <https://publications.rwth-aachen.de/record/787066>.
- [304] 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. URL: <https://publications.rwth-aachen.de/record/834274>.
- [305] Sandra Torres, Cristina Ortiz, Nadine Bachtler, Wenyi Gu, Leon D. Grünewald, Nico Kraus, Robert Schierwagen, Christoph Hieber, Caroline Meier, Olaf Tyc, Maximilian Joseph Brol, Frank Erhard Uschner, Bart Nijmeijer, Christoph Welsch, **Marie-Luise Berres**, Carmen Garcia-Ruiz, Jose Carlos Fernandez-Checa, **Christian Trautwein**, Thomas J. Vogl, Stefan Zeuzem, **Jonel Trebicka**, and Sabine Klein. “Janus kinase 2 inhibition by pacritinib as potential therapeutic target for liver fibrosis”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 77.4 (2023), pp. 1228–1240. DOI: 10.1002/hep.32746. URL: <https://publications.rwth-aachen.de/record/861913>.
- [306] **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. URL: <https://publications.rwth-aachen.de/record/834279>.
- [307] **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. URL: <https://publications.rwth-aachen.de/record/834278>.
- [308] **Jonel Trebicka** and Alexander Zarbock. “Editorial: terlipressin in patients with acute-on-chronic liver failure grade 3—too late?”. In: *Alimentary pharmacology & therapeutics* 57.1 (2023), pp. 177–178. DOI: 10.1111/apt.17244. URL: <https://publications.rwth-aachen.de/record/856871>.
- [309] Margaret Tulesin, Ludwig Beer, Stephanie Roessler, Anika Beckers, Darko Castven, Diego Francesco Calvisi, Xin Chen, Sebastian Lange, Nicole Pfarr, Jens Marquardt, **Theresa Wirtz**, **Marie-Luise Berres**, Katja Steiger, Tanja Groll, and Carolin Mogler. “Detailed Characterization and Comparison of Mouse Models for Cholangiocarcinoma”. In: *Laboratory investigation* 105.12 (2025), p. 104242. DOI: 10.1016/j.labinv.2025.104242. URL: <https://publications.rwth-aachen.de/record/1030355>.
- [310] Anna Verwaayen. “Differential role of the cell cycle regulators Cyclin E1 and Cyclin E2 for intestinal homeostasis”. PhD thesis. Aachen: RWTH Aachen University, 2024, 125 Seiten : Illustrationen. URL: <https://publications.rwth-aachen.de/record/1000472>.
- [311] Ines Volkert, Malin Fromme, **Carolin Victoria Schneider**, **Lena Susanna Candels**, Cecilia Helen Victoria Lindhauer, Huan Su, Katrine Thorhauge, Monica Pons, Mohamed Ramadan Mohamed Mohamed, **Kai Markus Schneider**, **Pavel Strnad**, and **Christian Trautwein**. “Impact of PNPLA3 I148M on alpha-1 antitrypsin deficiency-dependent liver disease progression”. In: *Hepatology. Official journal of the American Association for the Study of Liver Diseases* 79.4 (2023), pp. 898–911. DOI: 10.1097/HEP.0000000000000574. URL: <https://publications.rwth-aachen.de/record/982734>.

- [312] Joscha Vonderlin, Triantafyllos Chavakis, Michael Sieweke, and **Frank Tacke**. “The Multifaceted Roles of Macrophages in NAFLD Pathogenesis”. In: *Cellular and Molecular Gastroenterology and Hepatology* 15.6 (2023), pp. 1311–1324. DOI: 10.1016/j.jcmgh.2023.03.002. URL: <https://publications.rwth-aachen.de/record/1010374>.
- [313] Joscha Vonderlin and **Frank Tacke**. “A complex triad determining metabolic health: diet, host, and microbiome interaction”. In: *The American journal of clinical nutrition* 116.4 (2022), pp. 848–850. DOI: 10.1093/ajcn/nqac180. URL: <https://publications.rwth-aachen.de/record/1010347>.
- [314] 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. URL: <https://publications.rwth-aachen.de/record/834553>.
- [315] 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* 289.16 (2021), pp. 4731–4757. DOI: 10.1111/febs.16047. URL: <https://publications.rwth-aachen.de/record/828378>.
- [316] Guanwu Wang, Lara Rosaline Heij, Dong Liu, Edgar Dahl, Sven Arke Lang, Tom Florian Ulmer, **Tom Lüdde**, **Ulf Peter Neumann**, and Jan Bednarsch. “The Role of Single-Nucleotide Polymorphisms in Cholangiocarcinoma: A Systematic Review”. In: *Cancers* 14.23 (2022), p. 5969. DOI: 10.3390/cancers14235969. URL: <https://publications.rwth-aachen.de/record/856972>.
- [317] 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. URL: <https://publications.rwth-aachen.de/record/815760>.
- [318] Wiebke Werner, Maria Kuzminskaya, Isabella Lurje, **Frank Tacke**, and Linda Hammerich. “Overcoming Resistance to Immune Checkpoint Blockade in Liver Cancer with Combination Therapy: Stronger Together?” In: *Seminars in liver disease* 44.02 (2024), pp. 159–179. DOI: 10.1055/a-2334-8311. URL: <https://publications.rwth-aachen.de/record/1010390>.
- [319] Eva K. Wirth, Tobias Puengel, Joachim Spranger, and **Frank Tacke**. “Thyroid hormones as a disease modifier and therapeutic target in nonalcoholic steatohepatitis”. In: *Expert review of endocrinology & metabolism* 17.5 (2022), pp. 425–434. DOI: 10.1080/17446651.2022.2110864. URL: <https://publications.rwth-aachen.de/record/1010349>.
- [320] **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), p. 990. DOI: 10.3390/diagnostics10110990. URL: <https://publications.rwth-aachen.de/record/813391>.
- [321] **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), p. 574. DOI: 10.3390/diagnostics10080574. URL: <https://publications.rwth-aachen.de/record/803971>.
- [322] **Theresa Wirtz**, Philipp A. Reuken, Christian Jansen, Petra Fischer, Irina Bergmann, Christina Backhaus, Christoph Emontzpohl, Johanna Reißing, Elisa Fabiana Brandt, M. Teresa Koenen, **Kai Markus 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 Praktijnjo, 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. URL: <https://publications.rwth-aachen.de/record/811445>.

- [323] **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. URL: <https://publications.rwth-aachen.de/record/828618>.
- [324] Ling Xiong, Dustin Beyer, Na Liu, Tina Lehmann, Sophie Neugebauer, Sascha Schaeuble, Oliver Sommerfeld, Philipp Ernst, Carl-Magnus Svensson, Sandor Nietzsche, Sebastian Scholl, **Tony Bruns**, Nikolaus Gaßler, Markus H. Gräler, Marc Thilo Figge, Gianni Panagiotou, Michael Bauer, and Adrian T. Press. “Targeting protein kinase C- α prolongs survival and restores liver function in sepsis: Evidence from preclinical models”. In: *Pharmacological research* 212 (2025), p. 107581. DOI: 10.1016/j.phrs.2025.107581. URL: <https://publications.rwth-aachen.de/record/1010310>.
- [325] Eray Yagmur, Samira Abu Jhaisha, Lukas Bündgens, Nadezhda Sapundzhieva, Jonathan Frederik Brozat, Philipp Hohlstein, Maike Pollmanns, Ger H. Koek, Ralf Weiskirchen, **Christian Trautwein**, **Frank Tacke**, **Theresa Wirtz**, and Alexander Koch. “Clusterin Plasma Concentrations Are Decreased in Sepsis and Inversely Correlated with Established Markers of Inflammation”. In: *Diagnostics. Open access journal* 12.12 (2022), p. 3010. DOI: 10.3390/diagnostics12123010. URL: <https://publications.rwth-aachen.de/record/860407>.
- [326] Veronika Young, Bushra Dohai, Hridi Halder, Jaime Fernandez-Macgregor, Niels S. van Heusden, Thomas C. A. Hitch, Benjamin Weller, Patrick Hyden, Deeya Saha, Daan K. J. Pieren, Sonja Rittchen, Luke Lambourne, Sibusiso B. Maseko, Chung-Wen Lin, Ye Min Tun, Jonas Bibus, Luisa Pletschacher, Mégane Boujeant, Sébastien A. Choteau, Lou Bergogne, Jérémie Perrin, Franziska Ober, Patrick Schwehn, Simin T. Rothballer, Melina Altmann, Stefan Altmann, Alexandra Strobel, Michael Rothballer, Marie Tofaute, Daniel Kotlarz, Matthias Heinig, **Thomas Clavel**, Michael A. Calderwood, Marc Vidal, Jean-Claude Twizere, Renaud Vincentelli, Daniel Krappmann, Marianne Boes, Claudia Falter, Thomas Rattei, Christine Brun, Andreas Zanzoni, and Pascal Falter-Braun. “Effector–host interactome map links type III secretion systems in healthy gut microbiomes to immune modulation”. In: *Nature microbiology* 11.2 (2026), pp. 442–460. DOI: 10.1038/s41564-025-02241-y. URL: <https://publications.rwth-aachen.de/record/1028389>.
- [327] 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. URL: <https://publications.rwth-aachen.de/record/815763>.
- [328] Kaiyi Zhang, Urska Repnik, Nour Diab, Daniel Friske, Andreas Pütz, Alina Zoe Bachmann, Narasimha Murthy Keshava Prasad Gubbi, Michael Hensel, Konrad U. Förstner, Alexander J. Westermann, Aline Dupont, and **Mathias W. Hornef**. “Non-professional efferocytosis of Salmonella-infected intestinal epithelial cells in the neonatal host”. In: *Journal of experimental medicine* 221.3 (2024), e20231237. DOI: 10.1084/jem.20231237. URL: <https://publications.rwth-aachen.de/record/983109>.
- [329] 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* 23.6 (2021), pp. 963–974. DOI: 10.1007/s11307-021-01623-y. URL: <https://publications.rwth-aachen.de/record/834142>.