

Publication list of crc1382

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References

- [1] 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.
- [2] 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.
- [3] 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.
- [4] Anshu Babbar, Thomas C. A. Hitch, **Oliver Pabst**, **Thomas Clavel**, Jessica Hübel, Sreepradha Eswaran, **Norbert Wagner**, and **Angela Schippers**. “The Compromised Mucosal Immune System of $\beta 7$ Integrin-Deficient Mice Has Only Minor Effects on the Fecal Microbiota in Homeostasis”. In: *Frontiers in microbiology* 10 (2019), p. 2284. doi: 10.3389/fmicb.2019.02284.
- [5] 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.
- [6] 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.
- [7] 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* (2022), 11 Seiten. doi: 10.1007/s00423-022-02545-1.
- [8] Jan Bednarsch, Zoltan Czigany, Sven H. Loosen, Lara Heij, Lorenz Ruckgaber, Henning Maes, Jan-Pit Krause, Matthias Reen, Beata Toteva, Theresa 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.

- [9] 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.
- [10] 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 Woitok, 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.
- [11] Fabian Benz, Andreas Bogen, Michael Praktijnjo, 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.
- [12] 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.
- [13] Niels van Best, Sonja Trepels-Kotteck, 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.
- [14] 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.
- [15] 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.
- [16] 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-HPMA-based core-crosslinked polymeric micelles”. In: *Journal of controlled release* 328 (2020), pp. 805–816. DOI: 10.1016/j.jconrel.2020.09.046.
- [17] Lukas C. Bossert. “Mit »biber –tool« Bibliografieinträge bearbeiten”. In: *Die TEXnische Komödie* 2 (2020), pp. 24–33. DOI: 10.5281/zenodo.3784922.
- [18] 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.
- [19] 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.

- [20] 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.
- [21] 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.
- [22] 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.
- [23] 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* 408.1 (2023), p. 54. doi: 10.1007/s00423-023-02784-w.
- [24] **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.
- [25] 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, Sebastiaan 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.
- [26] 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.
- [27] 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.
- [28] 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.
- [29] 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.
- [30] Hannah K. Drescher, **Angela Schippers**, Stefanie Rosenhain, **Felix Gremse**, Laura Bongiovanni, Alain de Bruin, Sreepradha 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.

- [31] 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* 159.4 (2020), 1406–1416.e11. doi: 10.1053/j.gastro.2020.06.021.
- [32] 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.
- [33] 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* (2023), a-2016–9061. doi: 10.1055/a-2016-9061.
- [34] 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.
- [35] 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 I-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.
- [36] 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* 12.5 (2022), p. 417. doi: 10.3390/metabo12050417.
- [37] 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.
- [38] 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.
- [39] 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.
- [40] Ahmed Ghallab, Reham Hassan, Ute Hofmann, Adrian Friebel, 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 Rahmenführer, 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 Olyaei, 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.

- [41] 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.
- [42] 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.
- [43] **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.
- [44] **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.
- [45] **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* (2023). DOI: 10.1097/HEP.000000000000270.
- [46] **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.
- [47] 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.
- [48] Berivan Gurbuz, **Nurdan Guldiken**, Philipp Reuken, Lei Fu, Katharina Remih, Christian Preisinger, Radan Brûha, Martin Leníček, Jaromír Petrtyl, 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* (2023), 11 Seiten. DOI: 10.1007/s12072-022-10473-x.
- [49] Sven-Bastiaan Haage, 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.
- [50] 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.
- [51] 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.

- [52] 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.
- [53] 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.
- [54] Jana Holmar, Sofia de la Puente-Secades, Jürgen Floege, **Heidi Noels**, **Joachim Jankowski**, and Setareh Orth-Alampour. “Uremic Toxins Affecting Cardiovascular Calcification: A Systematic Review”. In: *Cells* 9.11 (2020), p. 2428. doi: 10.3390/cells9112428.
- [55] **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.
- [56] 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.
- [57] 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.
- [58] 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.
- [59] 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.
- [60] 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 / Molecular Diversity Preservation International (MDPI)* 13.21 (2021), p. 5359. doi: 10.3390/cancers13215359.
- [61] 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.
- [62] 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.
- [63] Leah Maria Klein, Johannes Chang, Wenyi Gu, Steffen Manekeller, Christian Jansen, Philipp Lingohr, Michael Praktijnjo, 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.
- [64] Moritz Kleinjans, **Carolyn 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.

- [65] 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.
- [66] 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.
- [67] 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* (2022). doi: 10.1007/s00432-022-04335-0.
- [68] 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.
- [69] 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.
- [70] 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.
- [71] 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.
- [72] 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.
- [73] 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.
- [74] 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.
- [75] Sander Lefere, Lindsey Devisscher, and **Frank Tacke**. “Targeting CCR2/5 in the treatment of non-alcoholic steatohepatitis (NASH) and fibrosis. Opportunities and challenges”. In: *Expert opinion on investigational drugs* 29.2 (2020), pp. 89–92. doi: 10.1080/13543784.2020.1718106.
- [76] Sander Lefere, Tobias Pünger, 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.
- [77] 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.

- [78] Till R. Lesker, Abilash C. Durairaj, Eric J. C. Gálvez, Ilias Lagkouvardos, John F. Baines, **Thomas Clavel**, Alexander Sczyrba, Alice C. McHardy, and Till Strowig. “An Integrated Metagenome Catalog Reveals New Insights into the Murine Gut Microbiome”. In: *Cell reports* 30.9 (2020), 2909–2922.e6. doi: 10.1016/j.celrep.2020.02.036.
- [79] 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.
- [80] 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.
- [81] 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.
- [82] 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.
- [83] Sven H Loosen, Joao Gorgulho, Markus S. Jördens, Maximilian Schulze-Hagen, Fabian Beier, Mihael Vucur, Anne T. Schneider, Christiane Koppe, Alexander Mertens, Jakob N. Kather, **Frank Tacke**, Verena Keitel, Tim H. 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.
- [84] 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.
- [85] Sven H. Loosen, Vincent van den Bosch, Joao Gorgulho, Maximilian Schulze-Hagen, Jennis Kandler, Markus S. Jördens, **Frank Tacke**, Christina Loberg, Gerald Antoch, Tim 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.
- [86] 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* 60.03 (2022), pp. 310–319. doi: 10.1055/a-1682-7621.
- [87] 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.
- [88] 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.
- [89] 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.

- [90] 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.
- [91] 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.
- [92] 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.
- [93] 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* (2022), 7 Seiten. DOI: 10.1007/s00432-022-04198-5.
- [94] Sven H. Loosen, Tom Florian Ulmer, Simon Labuhn, Jan Bednarsch, Sven Lang, Patrick Hamid Alizai, Anne T. 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.
- [95] 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.
- [96] 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.
- [97] 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.
- [98] 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.
- [99] Sofia Monteiro, Josephine Grandt, Frank Erhard Uschner, Nina Kimer, Jan Lysegård 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.
- [100] 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.
- [101] 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.

- [102] 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.
- [103] 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.
- [104] 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.
- [105] **Oliver Pabst** and **Ana 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.
- [106] **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.
- [107] Kristian Jensen Pedersen, Sven-Bastiaan Haange, Kateřina Žížalová, 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.
- [108] 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.
- [109] 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.
- [110] 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.
- [111] 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.
- [112] Tobias Puengel, Steve De Vos, Jana Hundertmark, Marlene Kohlhepp, **Nurdan Guldiken**, Philippe Pujuguet, Marielle Auberval, Florence Marsais, Kenji F. Shoji, Laurent Saniere, **Christian Trautwein**, **Tom Lüdde**, **Pavel Strnad**, Reginald Brys, Philippe Clément-Lacroix, and **Frank Tacke**. “The Medium-Chain Fatty Acid Receptor GPR84 Mediates Myeloid Cell Infiltration Promoting Steatohepatitis and Fibrosis”. In: *Journal of Clinical Medicine* 9.4 (2020), p. 1140. doi: 10.3390/jcm9041140.
- [113] 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.
- [114] Tobias Puengel and **Frank Tacke**. “Editorial: prevalence, progression rates and mortality predictors of non-alcoholic fatty liver disease reflected by German statutory health insurance data”. In: *Alimentary pharmacology & therapeutics* 52.8 (2020), pp. 1412–1413. doi: 10.1111/apt.16077.

- [115] Tobias Puengel, Beate Weber, **Theresa Wirtz**, Lukas Buendgens, Sven H. Loosen, Lukas Geisler, Burcin Özdirik, Hamesch Karim, 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.
- [116] 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 E. Wasmuth, **Marie-Luise Berres**, **Jonel Trebicka**, and Jennifer Lehmann. “Systemic MCP-1 Levels Derive Mainly From Injured Liver and Are Associated With Complications in Cirrhosis”. In: *Frontiers in immunology* 11 (2020), p. 354. doi: 10.3389/fimmu.2020.00354.
- [117] 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.
- [118] 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.
- [119] 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.
- [120] 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.
- [121] Katharina C. Reimer, Alexander Wree, Christoph Roderburg, and **Frank Tacke**. “New drugs for NAFLD. Lessons from basic models to the clinic”. In: *Hepatology international* 14.1 (2020), pp. 8–23. doi: 10.1007/s12072-019-10001-4.
- [122] Sandra Reitmeier, Thomas C. A. Hitch, Nicole Treichel, Nikolaos Fikas, Bela Hausmann, Amanda E. Ramer-Tait, Klaus Neuhaus, David Berry, Dirk Haller, Ilias Lagkouravdos, 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.
- [123] 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.
- [124] 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.
- [125] 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.

- [126] 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.
- [127] 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.
- [128] 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.
- [129] 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.
- [130] Benjamin Rolles, Joao Gorgulho, Mareike Tometten, Christoph Roderburg, Margherita Vieri, Anne Abels, Mihael Vucur, Felix Heymann, **Frank Tacke**, Tim H. 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.
- [131] 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.
- [132] 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.
- [133] Robert Schierwagen, Frank E. Uschner, Cristina Ortiz, Sandra Torres, Max J. Brol, Olaf Tyc, Wenyi Gu, Christian Grimm, Stefan Zeuzem, Andreas Plamper, Philipp Pfeifer, Sebastian Zimmer, Christoph Welsch, Liliana Schaefer, Karl P. Rheinwald, Joan Clària, Vicente Arroyo, **Jonel Trebicka**, and Sabine Klein. “The Role of Macrophage-Inducible C-Type Lectin in Different Stages of Chronic Liver Disease”. In: *Frontiers in immunology* 11 (2020), p. 1352. DOI: 10.3389/fimmu.2020.01352.
- [134] **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.
- [135] Annika R. P. Schneider, **Carolyn 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.
- [136] **Carolyn 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.
- [137] **Carolyn 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.

- [138] **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 Spitteller, 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.
- [139] 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.
- [140] 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.
- [141] Maximilian F. Schulze-Hagen, Christoph Roderburg, Theresa H. Wirtz, Markus S. Jördens, Lukas Bündgens, Samira Abu Jhaisha, Philipp Hohlstein, Jonathan F. 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.
- [142] 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.
- [143] 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.
- [144] 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* (2022). DOI: 10.1016/j.cgh.2022.11.030.
- [145] 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.
- [146] **Pavel Strnad**, Mattias Mandorfer, Gourab Choudhury, William Griffiths, **Christian Trautwein**, Rohit Loomba, Thomas Schlupe, Ting Chang, Min Yi, Bruce D. Given, James C. Hamilton, Javier San Martin, and Jeffery H. Teckman. “Fazirsiran for Liver Disease Associated with Alpha 1 -Antitrypsin Deficiency”. In: *The New England journal of medicine* 387.6 (2022), pp. 514–524. DOI: 10.1056/NEJMoa2205416.
- [147] 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.
- [148] **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.
- [149] 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.

- [150] 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.
- [151] 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.
- [152] 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.
- [153] 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.
- [154] 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.
- [155] **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.
- [156] **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.
- [157] **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.
- [158] 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.
- [159] 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.
- [160] 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.
- [161] 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.

- [162] **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* 10.11 (2020). DOI: 10.3390/diagnostics10110990.
- [163] **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* 10.8 (2020). DOI: 10.3390/diagnostics10080574.
- [164] **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.
- [165] **Theresa Wirtz**, Alena Saal, Irina Bergmann, Petra Fischer, Daniel Heinrichs, Elisa Fabiana Brandt, Maria Teresa Koenen, Sonja Djurdjaj, **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.
- [166] 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.
- [167] 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.