

Publikationen KCH 2012 – 2022

2022

Ahonen MA, Horing M, Nguyen V, Qadri S, Taskinen JH, Nagaraj M, Wabitsch M, Fischer-Posovszky P, Zhou Y, Liebisch G, Haridas PAN, Yki-Jarvinen H, Olkkonen VM.

Insulin-inducible THRSP maintains mitochondrial function and regulates sphingolipid metabolism in human adipocytes.

Mol Med. 2022;28(1):16.

Allgaier R, Strack C, Wallner S, Hubauer U, Uecer E, Lehn P, Keyser A, Luchner A, Maier L, Jungbauer C.

NAG: potential cardiorenal biomarker indicates progression of chronic kidney disease in implantable cardioverter defibrillator patients, contrary to KIM-1.

Biomark Med. 2022;16(4):265-275.

Baertl C, Henze GI, Giglberger M, Peter HL, Konzok J, Wallner S, Kreuzpointner L, Wuest S, Kudielka BM.

Higher allostatic load in work-related burnout: The Regensburg Burnout Project.

Psychoneuroendocrinology. 2022;143:11.

Barone M, Garelli S, Rampelli S, Agostini A, Matysik S, D'Amico F, Krautbauer S, Mazza R, Salituro N, Fanelli F, Iozzo P, Sanz Y, Candela M, Brigidi P, Pagotto U, Turrone S.

Multi-omics gut microbiome signatures in obese women: role of diet and uncontrolled eating behavior. *BMC Med.* 2022;20(1):25.

Bauernfeind S, Einhauser S, Tydykov L, Mader AL, Salzberger B, Hitzenbichler F, Mohr A, Burkhardt R, Wagner R, Peterhoff D.

Association between Adverse Reactions and Humoral Immune Response No Longer Detectable after BNT162b2 Booster Vaccination.

Vaccines. 2022;10(10):10.

Bogovic N, Doenecke A, Hart C, Lurken L, Heimerl S, Eissnert C, Schlitt HJ, Bitterer F.

Covid19 vaccination-associated portal vein thrombosis-An interdisciplinary clinical challenge.

Clin Res Hepatol Gastroenterol. 2022;46(8):9.

Dawczynski C, Plagge J, Jahreis G, Liebisch G, Horing M, Seeliger C, Ecker J.

Dietary PUFA Preferably Modify Ethanolamine-Containing Glycerophospholipids of the Human Plasma Lipidome.

Nutrients. 2022;14(15):11.

Ecker J, Liebisch G, Janssen KP.

The Colorectal Cancer Lipidome: Are There Any Differences in Lipid Species Between Right and Left Colorectal Cancers? Reply.

Gastroenterology. 2022;162(2):659-659.

Einhauser S, Peterhoff D, Beileke S, Gunther F, Niller HH, Steininger P, Knoll A, Korn K, Berr M, Schutz A, Wiegrebe S, Stark KJ, Gessner A, Burkhardt R, Kabesch M, Schedl H, Kuchenhoff H, Pfahlberg AB, Heid IM, Gefeller O, Uberla K, Wagner R.

Time Trend in SARS-CoV-2 Seropositivity, Surveillance Detection- and Infection Fatality Ratio until Spring 2021 in the Tirschenreuth County-Results from a Population-Based Longitudinal Study in Germany.

Viruses-Basel. 2022;14(6):21.

Ekroos K, Ejsing C, Liebisch G, Kofeler H, McDonald J, Holcapek M, Hoffmann N, Ahrends R.

Update on guidelines for lipidomics analysis and reporting.

J Am Oil Chem Soc. 2022;99:13-14.

Flamann C, Biedermann A, Mougiakakos D, Bitterer K, Karg K, Bittenbring J, Buttner-Herold M, Liebisch G, Leffler M, Lischer C, Eberhardt M, Vera-Gonzales J, Zeiser R, Mackensen A, Bruns H. Eine ubermaessige Phagozytose von Myelomzellen induziert Pyroptose in Myelom-assoziierten Makrophagen und beeintrachtigt die Wirksamkeit therapeutischer Antikorper.

Oncol Res Treat. 2022;45(SUPPL 2):281-281.

Foll J, Kleinschmidt K, Troger A, Ellinger S, Spachholz R, Kramer S, Jakob M, Hanafee T, Offner R, Brosig AM, Schmidt R, Eyrich M, Wolff D, Corbacioglu S.

t-haplo for SCD: A phase ii trial to assess haploidentical ab t-depleted stem cell transplantation in patients with scd with no available msd, un update.

Bone Marrow Transplantation. 2022;57(SUPPL 1):248-249.

Glehr G, Riquelme P, Zhou JY, Cordero L, Schilling HL, Kapinsky M, Schlitt HJ, Geissler EK, Burkhardt R, Schmidt B, Haferkamp S, Hutchinson JA, Kronenberg K.

External validation of biomarkers for immune-related adverse events after immune checkpoint inhibition.

Front Immunol. 2022;13:9.

Gorski M, Rasheed H, Teumer A, Thomas LF, Graham SE, Sveinbjornsson G, Winkler TW, Gunther F, Stark KJ, Chai JF, Tayo BO, Wuttke M, Li Y, Tin A, Ahluwalia TS, Arnlov J, Asvold BO, Bakker SJL, Banas B, Bansal N, Biggs ML, Biino G, Bohnke M, Boerwinkle E, Bottinger EP, Brenner H, Brumpton B, Carroll RJ, Chaker L, Chalmers J, Chee ML, Chee ML, Cheng CY, Chu AY, Ciullo M, Cocca M, Cook JP, Coresh J, Cusi D, de Borst MH, Degenhardt F, Eckardt KU, Endlich K, Evans MK, Feitosa MF, Franke A, Freitag-Wolf S, Fuchsberger C, Gampawar P, Gansevoort RT, Ghanbari M, Ghasemi S, Giedraitis V, Gieger C, Gudbjartsson DF, Hallan S, Hamet P, Hishida A, Ho K, Hofer E, Holleczeck B, Holm H, Hoppmann A, Horn K, Hutri-Kahonen N, Hveem K, Hwang SJ, Ikram MA, Josyula NS, Jung B, Kahonen M, Karabegovic I, Khor CC, Koenig W, Kramer H, Kramer BK, Kuhnel B, Kuusisto J, Laakso M, Lange LA, Lehtimaki T, Li M, Lieb W, Lind L, Lindgren CM, Loos RJF, Lukas MA, Lyytikainen LP, Mahajan A, Matias-Garcia PR, Meisinger C, Meitinger T, Melander O, Milaneschi Y, Mishra PP, Mononen N, Morris AP, Mychaleckyj JC, Nadkarni GN, Naito M, Nakatochi M, Nalls MA, Nauck M, Nikus K, Ning B, Nolte IM, Nutile T, O'Donoghue ML, O'Connell J, Olafsson I, Orholm-Melander M, Parsa A, Pendergrass SA, Penninx B, Pirastu M, Preuss MH, Psaty BM, Raffield LM, Raitakari OT, Rheinberger M, Rice KM, Rizzi F, Rosenkranz AR, Rossing P, Rotter JI, Ruggiero D, Ryan KA, Sabanayagam C, Salvi E, Schmidt H, Schmidt R, Scholz M, Schottker B, Schulz CA, Sedaghat S, Shaffer CM, Sieber KB, Sim X, Sims M, Snieder H, Stanzick KJ, Thorsteinsdottir U, Stocker H, Strauch K, Stringham HM, Sulem P, Szymczak S, Taylor KD, Thio CHL, Tremblay J, Vaccargiu S, van der Harst P, van der Most PJ, Verweij N, Volker U, Wakai K, Waldenberger M, Wallentin L, Wallner S, Wang J, Waterworth DM, White HD, Willer CJ, Wong TY, Woodward M, Yang Q, Yerges-Armstrong LM, Zimmermann M, Zonderman AB, Bergler T, Stefansson K, Boger CA, Pattaro C, Kottgen A, Kronenberg F, Heid IM,

Lifelines Cohort S. Genetic loci and prioritization of genes for kidney function decline derived from a meta-analysis of 62 longitudinal genome-wide association studies.

Kidney International. 2022;102(3):624-639.

- Guenther F, Einhauser S, Peterhoff D, Wiegrebe S, Niller HH, Beileke S, Steininger P, Burkhardt R, Kuechenhoff H, Gefeller O, Ueberla K, Heid IM, Wagner R.
Higher Infection Risk among Health Care Workers and Lower Risk among Smokers Persistent across SARS-CoV-2 Waves-Longitudinal Results from the Population-Based TiKoCo Seroprevalence Study.
Int J Environ Res Public Health. 2022;19(24):17.
- Harrer DC, Heidenreich M, Fante MA, Muller V, Haehnel V, Offner R, Burkhardt R, Herr W, Edinger M, Wolff D, Thomas S, Brosig A.
Apheresis for chimeric antigen receptor T-cell production in adult lymphoma patients.
Transfusion. 2022;62(8):1602-1611.
- Hart C, Rott H, Heimerl S, Linnemann B.
Management of Antithrombin Deficiency in Pregnancy.
Hamostaseologie. 2022;42(05):320-329.
- Hopting M, Budde U, Tiede A, Grube M, Hahn J, Herr W, Heimerl S, Hart C.
Distinct Mechanisms of IgM Antibody-Mediated Acquired von Willebrand Syndrome and Successful Treatment with Recombinant von Willebrand Factor in One Patient.
Acta Haematol. 2022;145(4):454-457.
- Horing M, Peschel G, Grimm J, Krautbauer S, Muller M, Weigand K, Liebisch G, Buechler C.
Serum Ceramide Species Are Associated with Liver Cirrhosis and Viral Genotype in Patients with Hepatitis C Infection.
International journal of molecular sciences. 2022;23(17):18.
- Huang SY, Segues A, Waterfall M, Wright D, Vayssiere C, van Duijnhoven SMJ, van Elsas A, Sijts A, Zaiss DM.
Shortened Hinge Design of Fab x sdAb-Fc Bispecific Antibodies Enhances Redirected T-Cell Killing of Tumor Cells.
Biomolecules. 2022;12(10):15.
- Hupf J, Burkhardt R, Gessner A, Maier-Stockner C, Zimmermann M, Hanses F, Peterhoff D.
Low incidence of SARS-CoV-2 infections in healthcare workers at a tertiary care hospital Results of a prospective serological cohort study of the first and second COVID-19 pandemic wave.
Med Klin Intensivmed Notfmed. 2022;117(8):639-643.
- Karnati S, Guntas G, Rajendran R, Shityakov S, Hoering M, Liebisch G, Kosanovic D, Erguen S, Nagai M, Foerster CY.
Quantitative Lipidomic Analysis of Takotsubo Syndrome Patients' Serum.
Front Cardiovasc Med. 2022;9:13.
- Klemp I, Hoffmann A, Muller L, Hagemann T, Horn K, Rohde-Zimmermann K, Tonjes A, Thiery J, Loffler M, Burkhardt R, Bottcher Y, Stumvoll M, Bluher M, Krohn K, Scholz M, Baber R, Franks PW, Kovacs P, Keller M.
DNA methylation patterns reflect individual's lifestyle independent of obesity.
Clin Transl Med. 2022;12(6):17.
- Kohler N, Horing M, Czepukojc B, Rose TD, Buechler C, Krohler T, Haybaeck J, Liebisch G, Pauling JK, Kessler SM, Kiemer AK.
Kupffer cells are protective in alcoholic steatosis.
Biochim Biophys Acta-Mol Basis Dis. 2022;1868(6):16.

- Kopczynski D, Hoffmann N, Peng B, Liebisch G, Spener F, Ahrends R.
Goslin 2.0 Implements the Recent Lipid Shorthand Nomenclature for MS-Derived Lipid Structures.
Analytical chemistry. 2022;94(16):6097-6101.
- Li HL, Herrmann T, Seessle J, Liebisch G, Merle U, Stremmel W, Chamulitrat W.
Role of fatty acid transport protein 4 in metabolic tissues: insights into obesity and fatty liver disease.
Biosci Rep. 2022;42(6):20.
- Liebisch G, Horing M, Krautbauer S.
Quantification of minor lipid species in mammalian samples-strategies and pitfalls.
J Am Oil Chem Soc. 2022;99:15-15.
- Lin HH, Mensch J, Haschke M, Jager K, Kottgen B, Dervede J, Orso E, Walter M.
Establishment and Characterization of hTERT Immortalized Hutchinson-Gilford Progeria Fibroblast Cell Lines.
Cells. 2022;11(18):13.
- Lluch A, Veiga SR, Latorre J, Moreno-Navarrete JM, Bonifaci N, Nguyen V, Zhou Y, Horing M, Liebisch G, Olkkonen VM, Llobet-Navas D, Thomas G, Rodriguez-Barrueco R, Fernandez-Real JM, Kozma SC, Ortega FJ.
A compound directed against S6K1 hampers fat mass expansion and mitigates diet-induced hepatosteatosis.
JCI Insight. 2022;7(14):18.
- McDonald JG, Ejsing CS, Kopczynski D, Holcapek M, Aoki J, Arita M, Arita M, Baker ES, Bertrand-Michel J, Bowden JA, Brugger B, Ellis SR, Fedorova M, Griffiths WJ, Han X, Hartler J, Hoffmann N, Koelmel JP, Kofeler HC, Mitchell TW, O'Donnell VB, Saigusa D, Schwudke D, Shevchenko A, Ulmer CZ, Wenk MR, Witting M, Wolrab D, Xia Y, Ahrends R, Liebisch G, Ekroos K. Introducing the Lipidomics Minimal Reporting Checklist.
Nat Metab. 2022;4(9):1086-1088.
- Melnik BC, Schmitz G.
Milk Exosomal microRNAs: Postnatal Promoters of beta Cell Proliferation but Potential Inducers of beta Cell De-Differentiation in Adult Life.
International journal of molecular sciences. 2022;23(19):56.
- Melnik BC, Weiskirchen R, Stremmel W, Schmitz G.
Letter to the editor regarding "Dietary bovine milk miRNAs transported in extracellular vesicles are partially stable during GI digestion, are bioavailable and reach target tissues but need a minimum dose to impact on gene expression".
Eur J Nutr. 2022;61(3):1695-1696.
- Nagaraj M, Horing M, Ahonen MA, Nguyen VD, Zhou Y, Vihinen H, Jokitalo E, Liebisch G, Haridas PAN, Olkkonen VM.
GOLM1 depletion modifies cellular sphingolipid metabolism and adversely affects cell growth.
J Lipid Res. 2022;63(9):14.
- Netto J, Teren A, Burkhardt R, Willenberg A, Beutner F, Henger S, Schuler G, Thiele H, Isermann B, Thiery J, Scholz M, Kaiser T.

- Biomarkers for Non-Invasive Stratification of Coronary Artery Disease and Prognostic Impact on Long-Term Survival in Patients with Stable Coronary Heart Disease.
Nutrients. 2022;14(16):12.
- Pantasis S, Friemel J, Brutsch SM, Hu ZH, Krautbauer S, Liebisch G, Dengjel J, Weber A, Werner S, Bordoli MR.
Vertebrate Irf3 kinase modulates the hepatocyte secretome to prevent perivascular liver fibrosis and inflammation.
J Cell Sci. 2022;135(7):16.
- Paulus MG, Renner K, Nickel AG, Brochhausen C, Limm K, Zugner E, Baier MJ, Pabel S, Wallner S, Birner C, Luchner A, Magnes C, Oefner PJ, Stark KJ, Wagner S, Maack C, Maier LS, Streckfuss-Bomeke K, Sossalla S, Dietl A.
Tachycardiomyopathy entails a dysfunctional pattern of interrelated mitochondrial functions.
Basic Res Cardiol. 2022;117(1):20.
- Peschel G, Grimm J, Muller M, Horing M, Krautbauer S, Weigand K, Liebisch G, Buechler C.
Sex-specific changes in triglyceride profiles in liver cirrhosis and hepatitis C virus infection.
Lipids Health Dis. 2022;21(1):13.
- Peterhoff D, Einhauser S, Beileke S, Niller HH, Gunther F, Schachtner M, Asbach B, Steininger P, Tenbusch M, Peter AS, Gessner A, Burkhardt R, Heid IM, Wagner R, Uberla K.
Comparative Immunogenicity of COVID-19 Vaccines in a Population-Based Cohort Study with SARS-CoV-2-Infected and Uninfected Participants.
Vaccines. 2022;10(2):13.
- Pieles O, Hoering M, Adel S, Reichert TE, Liebisch G, Morsczeck C.
Energy Metabolism and Lipidome Are Highly Regulated during Osteogenic Differentiation of Dental Follicle Cells.
Stem Cells Int. 2022;2022:20.
- Pohl R, Eichelberger L, Feder S, Haberl EM, Rein-Fischboeck L, McMullen N, Sinal CJ, Bruckmann A, Weiss TS, Beck M, Horing M, Krautbauer S, Liebisch G, Wiest R, Wanninger J, Buechler C.
Hepatocyte expressed chemerin-156 does not protect from experimental non-alcoholic steatohepatitis.
Molecular and cellular biochemistry. 2022;477(8):2059-2071.
- Rodriguez-Barrueco R, Latorre J, Devis-Jauregui L, Lluch A, Bonifaci N, Llobet FJ, Olivan M, Coll-Iglesias L, Gassner K, Davis ML, Moreno-Navarrete JM, Castells-Nobau A, Plata-Pena L, Dalmau-Pastor M, Horing M, Liebisch G, Olkkonen VM, Arnoriaga-Rodriguez M, Ricart W, Fernandez-Real JM, Silva JM, Ortega FJ, Llobet-Navas D.
A microRNA Cluster Controls Fat Cell Differentiation and Adipose Tissue Expansion By Regulating SNCG.
Adv Sci. 2022;9(4):22.
- Roth N, Heidel C, Xu CD, Hubauer U, Wallner S, Meindl C, Holzamer A, Hilker M, Creutzenberg M, Sossalla S, Maier L, Jungbauer C, Debl K.
The impact of bicuspid aortic valve morphology on von Willebrand factor function in patients with severe aortic stenosis and its change after TAVI.
Clin Res Cardiol. 2022;111(12):1348-1357.

Schillemans T, Tragante V, Maitusong B, Gigante B, Cresci S, Laguzzi F, Vikstrom M, Richards M, Pilbrow A, Cameron V, Foco L, Doughty RN, Kuukasjarvi P, Allayee H, Hartiala JA, Tang WHW, Lyytikainen LP, Nikus K, Laurikka JO, Srinivasan S, Mordi IR, Trompet S, Kraaijeveld A, van Setten J, Gijssberts CM, Maitland-van der Zee AH, Saely CH, Gong Y, Johnson JA, Cooper-DeHoff RM, Pepine CJ, Casu G, Leisher A, Drexel H, Horne BD, van der Laan SW, Marziliano N, Hazen SL, Sinisalo J, Kahonen M, Lehtimaki T, Lang CC, Burkhardt R, Scholz M, Jukema JW, Eriksson N, Akerblom A, James S, Held C, Hagstrom E, Spertus JA, Algra A, de Faire U, Akesson A, Asselbergs FW, Patel RS, Leander K.

Associations of Polymorphisms in the Peroxisome Proliferator-Activated Receptor Gamma Coactivator-1 Alpha Gene With Subsequent Coronary Heart Disease: An Individual-Level Meta-Analysis.

Front Physiol. 2022;13:14.

Segues A, Huang S, Sijts A, Berraondo P, Zaiss DM.

Opportunities and challenges of bi-specific antibodies.

Int Rev Cell Mol Biol 2022 (May 2022 Epub).

Sekar D, Dillmann C, Sirait-Fischer E, Fink AF, Zivkovic A, Baum N, Strack E, Klatt S, Zukunft S, Wallner S, Descot A, Olesch C, da Silva P, von Knethen A, Schmid T, Grosch S, Savai R, Ferreiros N, Fleming I, Ghosh S, Rothlin CV, Stark H, Medyouf H, Brune B, Weigert A.

Phosphatidylserine Synthase PTDSS1 Shapes the Tumor Lipidome to Maintain Tumor-Promoting Inflammation.

Cancer Res. 2022;82(8):1617-1632.

Taskinen JH, Ruhanen H, Matysik S, Kakela R, Olkkonen VM.

Global effects of pharmacologic inhibition of OSBP in human umbilical vein endothelial cells.

Steroids. 2022;185:14.

Vukovic N, Halabi S, Russo-Cabrera JS, Blokhuis B, Berraondo P, Redegeld FAM, Zaiss DMW.

A human IgE bispecific antibody shows potent cytotoxic capacity mediated by monocytes.

J Biol Chem. 2022;298(8):12.

Weigand K, Peschel G, Grimm J, Muller M, Horing M, Krautbauer S, Liebisch G, Buechler C.

HCV Infection and Liver Cirrhosis Are Associated with a Less-Favorable Serum Cholesteryl Ester Profile Which Improves through the Successful Treatment of HCV.

Biomedicines. 2022;10(12):18.

Winkler TW, Rasheed H, Teumer A, Gorski M, Rowan BX, Stanzick KJ, Thomas LF, Tin A, Hoppmann A, Chu AY, Tayo B, Thio CHL, Cusi D, Chai JF, Sieber KB, Horn K, Li M, Scholz M, Cocca M, Wuttke M, van der Most PJ, Yang Q, Ghasemi S, Nutile T, Li Y, Pontali G, Gunther F, Dehghan A, Correa A, Parsa A, Feresin A, de Vries APJ, Zonderman AB, Smith AV, Oldehinkel AJ, De Grandi A, Rosenkranz AR, Franke A, Teren A, Metspalu A, Hicks AA, Morris AP, Tonjes A, Morgan A, Podgornaia AI, Peters A, Korner A, Mahajan A, Campbell A, Freedman BI, Spedicati B, Ponte B, Schottker B, Brumpton B, Banas B, Kramer BK, Jung B, Asvold BO, Smith BH, Ning B, Penninx B, Vanderwerff BR, Psaty BM, Kammerer CM, Langefeld CD, Hayward C, Spracklen CN, Robinson-Cohen C, Hartman CA, Lindgren CM, Wang CL, Sabanayagam C, Heng CK, Lanzani C, Khor CC, Cheng CY, Fuchsberger C, Gieger C, Shaffer CM, Schulz CA, Willer CJ, Chasman DI, Gudbjartsson DF, Ruggiero D, Toniolo D, Czamara D, Porteous DJ, Waterworth DM, Mascalzoni D, Mook-Kanamori DO, Reilly DF, Daw EW, Hofer E, Boerwinkle E, Salvi E, Bottinger EP, Tai ES, Catamo E, Rizzi F, Guo F, Rivadeneira F, Guilianini F, Sveinbjornsson G, Ehret G, Waeber G, Biino G, Girotto G, Pistis G, Nadkarni GN, Delgado GE, Montgomery GW, Snieder H, Campbell H, White HD, Gao H, Stringham HM, Schmidt H, Li HT, Brenner H, Holm H, Kirsten H, Kramer H, Rudan I, Nolte IM, Tzoulaki I,

Olafsson I, Martins J, Cook JP, Wilson JF, Halbritter J, Felix JF, Divers J, Kooner JS, Lee JJM, O'Connell J, Rotter JJ, Liu JJ, Xu J, Thiery J, Arnlov J, Kuusisto J, Jakobsdottir J, Tremblay J, Chambers JC, Whitfield JB, Gaziano JM, Marten J, Coresh J, Jonas JB, Mychaleckyj JC, Christensen K, Eckardt KU, Mohlke KL, Endlich K, Dittrich K, Ryan KA, Rice KM, Taylor KD, Ho K, Nikus K, Matsuda K, Strauch K, Miliku K, Hveem K, Lind L, Wallentin L, Yerges-Armstrong LM, Raffield LM, Phillips LS, Launer LJ, Lyytikäinen LP, Lange LA, Citterio L, Klaric L, Ikram MA, Ising M, Kleber ME, Francescatto M, Concas MP, Ciullo M, Piratsu M, Orho-Melander M, Laakso M, Loeffler M, Perola M, de Borst MH, Gogeale M, La Bianca M, Lukas MA, Feitosa MF, Biggs ML, Wojczynski MK, Kavousi M, Kanai M, Akiyama M, Yasuda M, Nauck M, Waldenberger M, Chee ML, Chee ML, Boehnke M, Preuss MH, Stumvoll M, Province MA, Evans MK, O'Donoghue ML, Kubo M, Kahonen M, Kastarinen M, Nalls MA, Kuokkanen M, Ghanbari M, Bochud M, Josyula NS, Martin NG, Tan NYQ, Palmer ND, Pirastu N, Schupf N, Verweij N, Hutri-Kahonen N, Mononen N, Bansal N, Devuyst O, Melander O, Raitakari OT, Polasek O, Manunta P, Gasparini P, Mishra PP, Sulem P, Magnusson PKE, Elliott P, Ridker PM, Hamet P, Svensson PO, Joshi PK, Kovacs P, Pramstaller PP, Rossing P, Vollenweider P, van der Harst P, Dorajoo R, Sim RZH, Burkhardt R, Tao R, Noordam R, Magi R, Schmidt R, de Mutsert R, Rueedi R, van Dam RM, Carroll RJ, Gansevoort RT, Loos RJF, Felicita SC, Sedaghat S, Padmanabhan S, Freitag-Wolf S, Pendergrass SA, Graham SE, Gordon SD, Hwang SJ, Kerr SM, Vaccargiu S, Patil SB, Hallan S, Bakker SJL, Lim SC, Lucae S, Vogelesang S, Bergmann S, Corre T, Ahluwalia TS, Lehtimäki T, Boutin TS, Meitinger T, Wong TY, Bergler T, Rabelink TJ, Esko T, Haller T, Thorsteinsdottir U, Volker U, Foo VHX, Salomaa V, Vitart V, Giedraitis V, Gudnason V, Jaddoe VVW, Huang W, Zhang WH, Wei WB, Kiess W, Marz W, Koenig W, Lieb W, Gao X, Sim XL, Wang YX, Friedlander Y, Tham YC, Kamatani Y, Okada Y, Milaneschi Y, Yu Z, Stark KJ, Stefansson K, Boger CA, Hung AM, Kronenberg F, Kottgen A, Pattaro C, Heid IM, Lifelines Cohort S, Discov EHRMS, Program VAMV, Lifelines Cohort S, Discov EHRMS, Program VAMV.

Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals.

Commun Biol. 2022;5(1):20.

Wolrab D, Jirasko R, Cifkova E, Horing M, Mei D, Chocholouskova M, Peterka O, Idkowiak J, Hrnčiarová T, Kuchar L, Ahrends R, Brumarova R, Friedecky D, Vivo-Truyols G, Skrha P, Skrha J, Kucera R, Melichar B, Liebisch G, Burkhardt R, Wenk MR, Cazenave-Gassiot A, Karasek P, Novotny I, Greplova K, Hrstka R, Holcapek M.

Lipidomic profiling of human serum enables detection of pancreatic cancer.

Nature communications. 2022;13(1):16.

Zaiss DMW.

Introducing our new series: Clinical and Experimental Treatment of...

Clin Exp Immunol. 2022;210(2):104-104.

Zaiss DMW, Coffey PJ.

Sugar addiction: An Achilles' heel of auto-immune diseases?

Cell Metab. 2022;34(4):503-505.

2021

Ahonen MA, Asghar MY, Parviainen SJ, Liebisch G, Horing M, Leidenius M, Fischer-Posovszky P, Wabitsch M, Mikkola TS, Tornquist K, Savolainen-Peltonen H, Haridas PAN, Oikkonen VM.

Human adipocyte differentiation and composition of disease-relevant lipids are regulated by miR-221-3p.

Biochim Biophys Acta Mol Cell Biol Lipids. 2021;1866(1):13.

- Bauer S, Strack C, Ucer E, Wallner S, Hubauer U, Luchner A, Maier LS, Jungbauer C.
Evaluation of a multimarker panel in chronic heart failure: a 10-year follow-up.
Biomark Med. 2021;15(18):1709-1719.
- Benitez-Paez A, Hess AL, Krautbauer S, Liebisch G, Christensen L, Hjorth MF, Larsen TM, Sanz Y, MyNewGut C.
Sex, Food, and the Gut Microbiota: Disparate Response to Caloric Restriction Diet with Fiber Supplementation in Women and Men.
Mol Nutr Food Res. 2021;65(8):13.
- Besler C, Rommel KP, Kresoja KP, Morbitz J, Kirsten H, Scholz M, Klingel K, Thiery J, Burkhardt R, Buttner P, Adams V, Thiele H, Lurz P.
Evaluation of phosphodiesterase 9A as a novel biomarker in heart failure with preserved ejection fraction.
ESC Heart Fail. 2021;8(3):1861-1872.
- Bestard-Escalas J, Reigada R, Reyes J, de la Torre P, Liebisch G, Barcelo-Coblijn G.
Fatty Acid Unsaturation Degree of Plasma Exosomes in Colorectal Cancer Patients: A Promising Biomarker.
International journal of molecular sciences. 2021;22(10):14.
- Dietl A, Zimmermann ME, Brandl C, Wallner S, Burkhardt R, Maier LS, Luchner A, Heid IM, Stark KJ.
Distribution and specificity of high-sensitivity cardiac troponin T in older adults without acute cardiac conditions: cross-sectional results from the population-based AugUR study.
BMJ Open. 2021;11(11):12.
- Dreier E, Malfertheiner MV, Dienemann T, Fisser C, Foltan M, Geismann F, Graf B, Lunz D, Maier LS, Muller T, Offner R, Peterhoff D, Philipp A, Salzberger B, Schmidt B, Sinner B, Lubnow M.
ECMO in COVID-19-prolonged therapy needed? A retrospective analysis of outcome and prognostic factors.
Perfusion-UK. 2021;36(6):582-591.
- Drexler K, Schmidt KM, Jordan K, Federlin M, Milenkovic VM, Liebisch G, Artati A, Schmidl C, Madej G, Tokarz J, Cecil A, Jagla W, Haerteis S, Aung T, Wagner C, Kolodziejczyk M, Heinke S, Stanton EH, Schwertner B, Riegel D, Wetzel CH, Buchalla W, Proescholdt M, Klein CA, Berneburg M, Schlitt HJ, Brabletz T, Ziegler C, Parkinson EK, Gaumann A, Geissler EK, Adamski J, Haferkamp S, Mycielska ME.
Cancer-associated cells release citrate to support tumour metastatic progression.
Life Sci Alliance. 2021;4(6):19.
- Ecker J, Benedetti E, Kindt ASD, Horing M, Perl M, Machmuller AC, Sichler A, Plagge J, Wang YT, Zeissig S, Shevchenko A, Burkhardt R, Krumsiek J, Liebisch G, Janssen KP.
The Colorectal Cancer Lipidome: Identification of a Robust Tumor-Specific Lipid Species Signature.
Gastroenterology. 2021;161(3):910.
- Einhauser S, Peterhoff D, Niller HH, Beileke S, Gunther F, Steininger P, Burkhardt R, Heid IM, Pfahlberg AB, Uberla K, Gefeller O, Wagner R.
Spectrum Bias and Individual Strengths of SARS-CoV-2 Serological Tests-A Population-Based Evaluation.
Diagnostics. 2021;11(10):14.
- Ekroos K, Liebisch G, Holcapek M, Ahrends R, Kofeler H, Han X, Wenk M.

- The International Lipidomics Society.
FEBS Open Bio. 2021;11:68-68.
- Feder S, Wiest R, Weiss TS, Aslanidis C, Schacherer D, Krautbauer S, Liebisch G, Buechler C.
Proprotein convertase subtilisin/kexin type 9 (PCSK9) levels are not associated with severity of liver disease and are inversely related to cholesterol in a cohort of thirty eight patients with liver cirrhosis.
Lipids Health Dis. 2021;20(1):14.
- Haberl EM, Pohl R, Rein-Fischboeck L, Horing M, Krautbauer S, Liebisch G, Buechler C.
Accumulation of cholesterol, triglycerides and ceramides in hepatocellular carcinomas of diethylnitrosamine injected mice.
Lipids Health Dis. 2021;20(1):14.
- Haberl EM, Weiss TS, Peschel G, Weigand K, Kohler N, Pauling JK, Wenzel JJ, Horing M, Krautbauer S, Liebisch G, Buechler C.
Liver Lipids of Patients with Hepatitis B and C and Associated Hepatocellular Carcinoma.
International journal of molecular sciences. 2021;22(10):18.
- Hahnel V, Brosig AM, Ehrenschwender M, Burkhardt R, Offner R, Ahrens N.
Apoptosis induction by extracorporeal photopheresis is enhanced by increasing the 8-methoxypsoralen concentration and by replacing plasma with saline.
Transfusion. 2021;61(10):2991-2999.
- Hahnel V, Dormann F, Kronenberg K, Hutchinson JA, Burkhardt R, Ahrens N.
Validation of an apoptosis assay for extracorporeal photopheresis.
Transfus Med. 2021;31(2):113-120.
- Halmy L, Riedel J, Zeman F, Tege B, Linder V, Gnewuch C, Graf BM, Schlitt HJ, Bergler T, Goecke I.
Renal Recovery after the Implementation of an Electronic Alert and Biomarker-Guided Kidney-Protection Strategy following Major Surgery.
J Clin Med. 2021;10(21):13.
- Hoppstadter J, Dembek A, Horing M, Schymik HS, Dahlem C, Sultan A, Wirth N, Al-Fityan S, Diesel B, Gasparoni G, Walter J, Helms V, Huwer H, Simon M, Liebisch G, Schulz MH, Kiemer AK.
Dysregulation of cholesterol homeostasis in human lung cancer tissue and tumour-associated macrophages.
EBioMedicine. 2021;72:16.
- Horing M, Ejsing CS, Krautbauer S, Ertl VM, Burkhardt R, Liebisch G.
Accurate quantification of lipid species affected by isobaric overlap in Fourier-transform mass spectrometry.
J Lipid Res. 2021;62:11.
- Horing M, Krautbauer S, Hiltl L, Babl V, Siguener A, Burkhardt R, Liebisch G.
Accurate Lipid Quantification of Tissue Homogenates Requires Suitable Sample Concentration, Solvent Composition, and Homogenization Procedure-A Case Study in Murine Liver.
Metabolites. 2021;11(6):13.
- Hutchinson JA, Kronenberg K, Riquelme P, Wenzel JJ, Glehr G, Schilling HL, Zeman F, Evert K, Schmiedel M, Mickler M, Drexler K, Bitterer F, Cordero L, Beyer L, Bach C, Koestler J, Burkhardt R, Schlitt HJ, Hellwig D, Werner JM, Spang R, Schmidt B, Geissler EK, Haferkamp S.

- Virus-specific memory T cell responses unmasked by immune checkpoint blockade cause hepatitis.
Nature communications. 2021;12(1):15.
- Kofeler HC, Eichmann TO, Ahrends R, Bowden JA, Danne-Rasche N, Dennis EA, Fedorova M, Griffiths WJ, Han XL, Hartler J, Holcapek M, Jirasko R, Koelmel JP, Ejsing CS, Liebisch G, Ni Z, O'Donnell VB, Quehenberger O, Schwudke D, Shevchenko A, Wakelam MJO, Wenk MR, Wolrab D, Ekroos K. Quality control requirements for the correct annotation of lipidomics data.
Naturecommunications. 2021;12(1):4.
- Kosinska MK, Eichner G, Schmitz G, Liebisch G, Steinmeyer J.
A comparative study on the lipidome of normal knee synovial fluid from humans and horses.
PloS one. 2021;16(4):14.
- Krautbauer S, Blazquez R, Liebisch G, Hoering M, Neubert P, Pukrop T, Burkhardt R, Sigrüener A. Application of Lipid Class Ratios for Sample Stability Monitoring-Evaluation of Murine Tissue Homogenates and SDS as a Stabilizer.
Metabolites. 2021;11(5):9.
- Liebisch G, Plagge J, Horing M, Seeliger C, Ecker J.
The effect of gut microbiota on the intestinal lipidome of mice.
Int J Med Microbiol. 2021;311(3):7.
- Lubnow M, Schmidt B, Fleck M, Salzberger B, Müller T, Peschel G, Schneckenpointner R, Lange T, Hitzenbichler F, Kieninger M, Lunz D, Graf B, Brochhausen C, Weber F, Luke F, Peterhoff D, Schuster P, Hiergeist A, Offner R, Hehr U, Wallner S, Hanses F, Schmid S, Weigand K, Geismann F, Poeck H, Pukrop T, Evert M, Gessner A, Burkhardt R, Herr W, Maier LS, Heudobler D. Secondary hemophagocytic lymphohistiocytosis and severe liver injury induced by hepatic SARS-CoV-2 infection unmasking Wilson's disease: Balancing immunosuppression.
Int J Infect Dis. 2021;103:624-627.
- Matysik S, Krautbauer S, Liebisch G, Schott HF, Kjolbaek L, Astrup A, Blachier F, Beaumont M, Nieuwdorp M, Hartstra A, Rampelli S, Pagotto U, Iozzo P. Short-chain fatty acids and bile acids in human faeces are associated with the intestinal cholesterol conversion status.
Br J Pharmacol. 2021;178(16):3342-3353.
- Maurer SF, Dieckmann S, Lund J, Fromme T, Hess AL, Colson C, Kjolbaek L, Astrup A, Gillum MP, Larsen LH, Liebisch G, Amri EZ, Klingenspor M. No Effect of Dietary Fish Oil Supplementation on the Recruitment of Brown and Brite Adipocytes in Mice or Humans under Thermoneutral Conditions.
Mol Nutr Food Res. 2021;65(2):15.
- Meedt E, Hiergeist A, Gessner A, Dettmer-Wilde K, Liebisch G, Ghimire S, Poeck H, Edinger M, Wolff D, Herr W, Holler E, Weber D. Prolonged Suppression of Butyrate Producing Bacteria Indicates Dysbiosis And is Associated with Acute Gastrointestinal Graft-Versus-Host Disease And Transplant Related Mortality After Allogeneic Stem Cell Transplantation.
Bone Marrow Transplantation. 2021;56(SUPPL 1):217-218.
- Melnik BC, Schmitz G.

- Pasteurized non-fermented cow's milk but not fermented milk is a promoter of mTORC1-driven aging and increased mortality.
Ageing Res Rev. 2021;67:12.
- Melnik BC, Stremmel W, Weiskirchen R, John SM, Schmitz G.
Exosome-Derived MicroRNAs of Human Milk and Their Effects on Infant Health and Development.
Biomolecules. 2021;11(6):47.
- Mustroph J, Hupf J, Hanses F, Evert K, Baier MJ, Evert M, Meindl C, Wagner S, Hubauer U, Pietrzyk G, Leininger S, Staudner S, Vogel M, Wallner S, Zimmermann M, Sossalla S, Maier LS, Jungbauer C.
Decreased GLUT1/NHE1 RNA expression in whole blood predicts disease severity in patients with COVID-19.
ESC Heart Fail. 2021;8(1):309-316.
- Peterhoff D, Gluck V, Vogel M, Schuster P, Schutz A, Neubert P, Albert V, Frisch S, Kiessling M, Pervan P, Werner M, Ritter N, Babl L, Deichner M, Hanses F, Lubnow M, Muller T, Lunz D, Hitzenbichler F, Audebert F, Hahnel V, Offner R, Muller M, Schmid S, Burkhardt R, Gluck T, Koller M, Niller HH, Graf B, Salzberger B, Wenzel JJ, Jantsch J, Gessner A, Schmidt B, Wagner R.
A highly specific and sensitive serological assay detects SARS-CoV-2 antibody levels in COVID-19 patients that correlate with neutralization.
Infection. 2021;49(1):75-82.
- Petersen AO, Jokinen M, Plichta DR, Liebisch G, Gronwald W, Dettmer K, Oefner PJ, Vlamakis H, Chung DC, Ranki A, Xavier RJ.
Cytokine-specific autoantibodies shape the gut microbiome in autoimmune polyendocrine syndrome type 1.
J Allergy Clin Immunol. 2021;148(3):876-888.
- Renner K, Schwittay T, Chaabane S, Gottschling J, Muller C, Tiefenbock C, Salewski JN, Winter F, Buchtler S, Balam S, Malfertheiner MV, Lubnow M, Lunz D, Graf B, Hitzenbichler F, Hanses F, Poeck H, Kreutz M, Orso E, Burkhardt R, Niedermair T, Brochhausen C, Gessner A, Salzberger B, Mack M.
Severe T cell hyporeactivity in ventilated COVID-19 patients correlates with prolonged virus persistence and poor outcomes.
Nature communications. 2021;12(1):11.
- Reynen S, Schlossbauer M, Hubauer U, Hupf J, Mohr A, Orso E, Zimmermann M, Luchner A, Maier LS, Wallner S, Jungbauer CG.
Urinary N-terminal pro-brain natriuretic peptide: prognostic value in patients with acute chest pain.
ESC Heart Fail. 2021;8(3):2293-2305.
- Romani-Perez M, Lopez-Almela I, Bullich-Vilarrubias C, Rueda-Ruzafa L, Del Pulgar EMG, Benitez-Paez A, Liebisch G, Lamas JA, Sanz Y.
Holdemanella biformis improves glucose tolerance and regulates GLP-1 signaling in obese mice.
Faseb Journal. 2021;35(7):17.
- Scantlebery AML, Tammaro A, Mills JD, Rampanelli E, Kors L, Teske GJ, Butter LM, Liebisch G, Schmitz G, Florquin S, Leemans JC, Roelofs J.
The dysregulation of metabolic pathways and induction of the pentose phosphate pathway in renal ischaemia-reperfusion injury.
J Pathol. 2021;253(4):404-414.

Schilling HL, Glehr G, Kapinsky M, Ahrens N, Riquelme P, Cordero L, Bitterer F, Schlitt HJ, Geissler EK, Haferkamp S, Hutchinson JA, Kronenberg K.

Development of a Flow Cytometry Assay to Predict Immune Checkpoint Blockade-Related Complications.

Front Immunol. 2021;12:12.

Schunk SJ, Kleber ME, Marz W, Pang SC, Zewinger S, Triem S, Ege P, Reichert MC, Krawczyk M, Weber SN, Jaumann I, Schmit D, Sarakpi T, Wagenpfeil S, Kramann R, Boerwinkle E, Ballantyne CM, Grove ML, Tragante V, Pilbrow AP, Richards AM, Cameron VA, Doughty RN, Dube MP, Tardif JC, Feroz-Zada Y, Sun MXN, Liu C, Ko YA, Quyyumi AA, Hartiala JA, Tang WHW, Hazen SL, Allayee H, McDonough CW, Gong Y, Cooper-DeHoff RM, Johnson JA, Scholz M, Teren A, Burkhardt R, Martinsson A, Smith JG, Wallentin L, James SK, Eriksson N, White H, Held C, Waterworth D, Trompet S, Jukema JW, Ford I, Stott DJ, Sattar N, Cresci S, Spertus JA, Campbell H, Tierling S, Walter J, Ampofo E, Niemeyer BA, Lipp P, Schunkert H, Bohm M, Koenig W, Fliser D, Laufs U, Speer T, Consortium EQ, Consortium B.

Genetically determined NLRP3 inflammasome activation associates with systemic inflammation and cardiovascular mortality.

Eur Heart J. 2021;42(18):1742-1756.

Siska PJ, Decking SM, Babl N, Matos C, Bruss C, Singer K, Klitzke J, Schon M, Simeth J, Kostler J, Siegmund H, Ugele I, Paulus M, Dietl A, Kolodova K, Steines L, Freitag K, Peuker A, Schonhammer G, Raithel J, Graf B, Geismann F, Lubnow M, Mack M, Hau P, Bohr C, Burkhardt R, Gessner A, Salzberger B, Wagner R, Hanses F, Hitzenbichler F, Heudobler D, Luke F, Pukrop T, Herr W, Wolff D, Spang R, Poeck H, Hoffmann P, Jantsch J, Brochhausen C, Lunz D, Rehli M, Kreutz M, Renner K. Metabolic imbalance of T cells in COVID-19 is hallmarked by basigin and mitigated by dexamethasone.

J Clin Invest. 2021;131(22):17.

Sprenger RR, Hermansson M, Neess D, Beccioli LS, Sorensen SB, Fagerberg R, Ecker J, Liebisch G, Jensen ON, Vance DE, Faergeman NJ, Klemm RW, Ejsing CS.

Lipid molecular timeline profiling reveals diurnal crosstalk between the liver and circulation.

Cell Reports. 2021;34(5):22.

Stadler SC, Burkhardt R.

Fatty acid metabolism in cancer cells - the power of plasticity.

Curr Opin Lipidology. 2021;32(6):387-388.

Taeger CD, Wallner S, Martini T, Schiltz D, Kehrer A, Prantl L, Biermann N.

Analysis of Rinsing Fluid during Negative Pressure Wound Therapy with Instillation: A Potential Monitoring Tool in Acute and Chronic Wound Treatment. A Pilot Study.

Cells. 2021;10(4):8.

Thuer L, Brosig A, Hutchinson JA, Hahnel V, Offner R, Burkhardt R, Ahrens N.

Total platelet donation count and donation frequency are determinants of plateletpheresis-associated lymphopenia.

Transfusion. 2021;61(11):3161-3173.

Vogel MJ, Muströph J, Staudner ST, Leininger SB, Hubauer U, Wallner S, Meindl C, Hanses F, Zimmermann M, Maier LS, Jungbauer CG, Hupf J.

Kidney injury molecule-1: potential biomarker of acute kidney injury and disease severity in patients with COVID-19.

J Nephrol. 2021;34(4):1007-1018.

Wagner R, Peterhoff D, Beileke S, Guenther F, Berr M, Einhauser S, Schuetz A, Niller HH, Steininger P, Knoell A, Tenbusch M, Maier C, Korn K, Stark KJ, Gessner A, Burkhardt R, Kabesch M, Schedl H, Kuechenhoff H, Pfahlberg AB, Heid IM, Gefeller O, Ueberla K.

Estimates and Determinants of SARS-Cov-2 Seroprevalence and Infection Fatality Ratio Using Latent Class Analysis: The Population-Based Tirschenreuth Study in the Hardest-Hit German County in Spring 2020.

Viruses-Basel. 2021;13(6):23.

Weller A, Seyfried T, Ahrens N, Baier-Kleinhenz L, Schlitt HJ, Peschel G, Graf BM, Sinner B.

Cell Salvage During Liver Transplantation for Hepatocellular Carcinoma: A Retrospective Analysis of Tumor Recurrence Following Irradiation of the Salvaged Blood.

Transplant Proc. 2021;53(5):1639-1644.

Werner M, Pervan P, Gluck V, Zeman F, Koller M, Burkhardt R, Gluck T, Wenzel JJ, Schmidt B, Gessner A, Peterhoff D.

Evaluation of a Broad Panel of SARS-CoV-2 Serological Tests for Diagnostic Use.

J Clin Med. 2021;10(8):12.

Wong HY, Langlotz M, Gan-Schreier H, Xu WH, Staffer S, Tuma-Kellner S, Liebisch G, Merle U, Chamulitrat W.

Constitutive oxidants from hepatocytes of male iPLA2 beta-null mice increases the externalization of phosphatidylethanolamine on plasma membrane.

Free Radic Res. 2021;55(6):625-633.

Zwirner J, Anders S, Bohnert S, Burkhardt R, Da Broi U, Hammer N, Pohlert D, Tse R, Ondruschka E. Screening for Fatal Traumatic Brain Injuries in Cerebrospinal Fluid Using Blood-Validated CK and CK-MB Immunoassays.

Biomolecules. 2021;11(7):12.

2020

Allgaier R, Strack C, Wallner S, Hubauer U, Uecer E, Lehn P, Keyser A, Luchner A, Maier L, Jungbauer C.

N-acetyl-b-D-glucosaminidase: A potential cardiorenal biomarker with a relevant impact on ICD shock therapies and mortality.

Nephrology. 2020;25(12):888-896.

Blucher C, Iberl S, Schwagarus N, Muller S, Liebisch G, Horing M, Hidrobo MS, Ecker J, Spindler N, Dietrich A, Burkhardt R, Stadler SC.

Secreted Factors from Adipose Tissue Reprogram Tumor Lipid Metabolism and Induce Motility by Modulating PPAR alpha/ANGPTL4 and FAK.

Mol Cancer Res. 2020;18(12):1849-1862.

Bousset L, Septier A, Bunay J, Voisin A, Guiton R, Damon-Soubeyrant C, Renaud Y, De Haze A, Sapin V, Fogli A, Rambur A, De Joussineau C, Kocer A, Trousson A, Henry-Berger J, Horing M, Liebisch G, Matysik S, Lobaccaro JMA, Morel L, Baron S.

Absence of nuclear receptors LXRs impairs immune response to androgen deprivation and leads to prostate neoplasia.

PLoS Biol. 2020;18(12):25.

Buechler C, Aslanidis C.

Role of lipids in pathophysiology, diagnosis and therapy of hepatocellular carcinoma.
Biochim Biophys Acta Mol Cell Biol Lipids. 2020;1865(5):17.

Cardner M, Yalcinkaya M, Goetze S, Luca E, Balaz M, Hunjadi M, Hartung J, Shemet A, Krankel N, Radosavljevic S, Keel M, Othman A, Karsai G, Hornemann T, Claassen M, Liebisch G, Carreira E, Ritsch A, Landmesser U, Krutzfeldt J, Wolfrum C, Wollscheid B, Beerenwinkel N, Rohrer L, von Eckardstein A.

Structure-function relationships of HDL in diabetes and coronary heart disease.
JCI Insight. 2020;5(1):18.

Chamulitrat W, Jansakun C, Li HL, Liebisch G.

Rescue of Hepatic Phospholipid Remodeling Defect in iPLA(2)beta-Null Mice Attenuates Obese but Not Non-Obese Fatty Liver.
Biomolecules. 2020;10(9):25.

Dozio E, Ruscica M, Vianello E, Macchi C, Sitzia C, Schmitz G, Tacchini L, Romanelli MMC.

PCSK9 Expression in Epicardial Adipose Tissue: Molecular Association with Local Tissue Inflammation.
Mediat Inflamm. 2020;2020:8.

Ertl VM, Horing M, Schott HF, Blucher C, Kjolbaek L, Astrup A, Burkhardt R, Liebisch G.

Quantification of diacylglycerol and triacylglycerol species in human fecal samples by flow injection Fourier transform mass spectrometry.
Anal Bioanal Chem. 2020;412(10):2315-2326.

Haberl EM, Pohl R, Rein-Fischboeck L, Feder S, Sinal CJ, Bruckmann A, Hoering M, Krautbauer S, Liebisch G, Buechler C.

Overexpression of Hepatocyte Chemerin-156 Lowers Tumor Burden in a Murine Model of Diethylnitrosamine-Induced Hepatocellular Carcinoma.
International journal of molecular sciences. 2020;21(1):22.

Haberl EM, Pohl R, Rein-Fischboeck L, Horing M, Krautbauer S, Liebisch G, Buechler C.

Hepatic lipid profile in mice fed a choline-deficient, low-methionine diet resembles human non-alcoholic fatty liver disease.
Lipids Health Dis. 2020;19(1):13.

Hahnel V, Peterhoff D, Bauerlein V, Brosig AM, Pamler I, Johnson C, Bica A, Totir M, Ossner T, Stemmer B, Toelge M, Schutz A, Niller HH, Schmidt B, Wagner R, Gessner A, Burkhardt R, Offner R. Manufacturing of convalescent plasma of COVID-19 patients: Aspects of quality.

PLoS one. 2020;15(12):11.

Hahnel V, Weber I, Tuemmler S, Graf B, Gruber M, Burkhardt R, Ahrens N.

Matrix-dependent absorption of 8-methoxypsoralen in extracorporeal photopheresis. *Photochem Photobiol Sci*. 2020;19(8):1099-1103.

Hartstra AV, Schuppel V, Imangaliyev S, Schrantee A, Prodan A, Collard D, Levin E, Dallinga-Thie G, Ackermans MT, Winkelmeijer M, Havik SR, Metwaly A, Lagkouvardos I, Nier A, Bergheim I, Heikenwalder M, Dunkel A, Nederveen AJ, Liebisch G, Mancano G, Claus SP, Benitez-Paez A, la Fleur SE, Bergman JJ, Gerdes V, Sanz Y, Booij J, Kemper E, Groen AK, Serlie MJ, Haller D, Nieuwdorp M.

- Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome.
Mol Metab. 2020;42:17.
- Hilger C, Riedhammer C, Orso E, Weissert R.
Effects of Alemtuzumab on (Auto)antigen-Specific Immune Responses.
Front Immunol. 2020;11:8.
- Hoering M, Ekroos K, Baker PRS, Connell L, Stadler SC, Burkhardt R, Liebisch G.
Correction of Isobaric Overlap Resulting from Sodiated Ions in Lipidomics.
Analytical chemistry. 2020;92(16):10966-10970.
- Holcapek M, Liebisch G, Ekroos K.
Lipidomic analysis.
Anal Bioanal Chem. 2020;412(10):2187-2189.
- Hoogduijn MJ, Montserrat N, van der Laan LJW, Dazzi F, Perico N, Kastrup J, Gilbo N, Ploeg RJ, Roobrouck V, Casiraghi F, Johnson CL, Franquesa M, Dahlke MH, Massey E, Hosgood S, Reinders MEJ.
The emergence of regenerative medicine in organ transplantation: 1st European Cell Therapy and Organ Regeneration Section meeting.
Transpl Int. 2020;33(8):833-840.
- Hoering M, Ekroos K, Baker PRS, Connell L, Stadler SC, Burkhardt R, Liebisch G.
Correction of Isobaric Overlap Resulting from Sodiated Ions in Lipidomics.
Analytical chemistry. 2020;92(16):10966-10970.
- Jacobi T, Massier L, Kloting N, Horn K, Schuch A, Ahnert P, Engel C, Loffler M, Burkhardt R, Thiery J, Tonjes A, Stumvoll M, Bluher M, Doxiadis L, Scholz M, Kovacs P.
HLA Class II Allele Analyses Implicate Common Genetic Components in Type 1 and Non-Insulin-Treated Type 2 Diabetes.
J Clin Endocrinol Metab. 2020;105(3):E245-E254.
- Kaufmann M, Schlossbauer M, Hubauer U, Stadler S, Fischer M, Wallner S, Hupf J, Zimmermann M, Orso E, Zeman F, Luchner A, Maier L, Jungbauer C.
N-acety-b-D-glucosaminidase: A potential biomarker for early detection of acute kidney injury in acute chest pain.
Nephrology. 2020;25(2):135-143.
- Kjolbaek L, Benitez-Paez A, del Pulgar EMG, Brahe LK, Liebisch G, Matysik S, Rampelli S, Vermeiren J, Brigidi P, Larsen LH, Astrup A, Sanz Y.
Arabinoxylan oligosaccharides and polyunsaturated fatty acid effects on gut microbiota and metabolic markers in overweight individuals with signs of metabolic syndrome: A randomized cross-over trial.
Clin Nutr. 2020;39(1):67-79.
- Kleinschmidt K, Foell J, Pfisteringer B, Troeger A, Mayr A, Dibbern P, Brosig A, Ahrens N, Corbacioglu S.
Haploidentical T-Cell Depleted HSCT Represents a Safe Therapeutic Alternative to MSD Transplantation in Patients with Transfusion-dependent beta-Thalassemia Major.
Bone Marrow Transplantation. 2020;55(SUPPL 1):161-162.
- Kornej J, Henger S, Seewoster T, Teren A, Burkhardt R, Thiele H, Thiery J, Scholz M.

- Prevalence of atrial fibrillation dependent on coronary artery status: Insights from the LIFE-Heart Study.
Clin Cardiol. 2020;43(12):1616-1623.
- Latorre J, Ortega FJ, Linares-Pose L, Moreno-Navarrete JM, Lluch A, Comas F, Oliveras-Canellas N, Ricart W, Horing M, Zhou Y, Liebisch G, Haridas PAN, Olkkonen VM, Lopez M, Fernandez-Real JM. Compounds that modulate AMPK activity and hepatic steatosis impact the biosynthesis of microRNAs required to maintain lipid homeostasis in hepatocytes.
EBioMedicine. 2020;53:16.
- Liebisch G, Fahy E, Aoki J, Dennis EA, Durand T, Ejsing CS, Fedorova M, Feussner I, Griffiths WJ, Kofeler H, Merrill AH, Murphy RC, O'Donnell VB, Oskolkova O, Subramaniam S, Wakelam MJO, Spener F. Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures.
J Lipid Res. 2020;61(12):1539-1555.
- Linnemann B, Seelbach-Goebel B, Heimerl S, Hart C. How Do We Treat Pregnancy-Related Venous Thromboembolism?
Hamostaseologie. 2020;40(1):54-63.
- Mahmoodi BK, Tragante V, Kleber ME, Holmes MV, Schmidt AF, McCubrey RO, Howe LJ, Direk K, Allayee H, Baranova EV, Braund PS, Delgado GE, Eriksson N, Gijsberts CM, Gong Y, Hartiala J, Heydarpour M, Pasterkamp G, Kotti S, Kuukasjarvi P, Lenzini PA, Levin D, Lyytikainen LP, Muehlschlegel JD, Nelson CP, Nikus K, Pilbrow AP, Tang WHW, van der Laan SW, van Setten J, Vilmundarson RO, Deanfield J, Deloukas P, Dudbridge F, James S, Mordi IR, Teren A, Bergmeijer TO, Body SC, Bots M, Burkhardt R, Cooper-DeHoff RM, Cresci S, Danchin N, Doughty RN, Grobbee DE, Hagstrom E, Hazen SL, Held C, Hofer IE, Hovingh GK, Johnson JA, Kaczor MP, Kahonen M, Klungel OH, Laurikka JO, Lehtimaki T, van der Zee AH, McPherson R, Palmer CN, Kraaijeveld AO, Pepine CJ, Sanak M, Sattar N, Scholz M, Simon T, Spertus JA, Stewart AFR, Szczeklik W, Thiery J, Visseren FLJ, Waltenberger J, Richards AM, Lang CC, Cameron VA, Akerblom A, Pare G, Marz W, Samani NJ, Hingorani AD, ten Berg JM, Wallentin L, Asselbergs FW, Patel RS. Association of Factor V Leiden With Subsequent Atherothrombotic Events A GENIUS-CHD Study of Individual Participant Data.
Circulation. 2020;142(6):546-555.
- Melnik BC, John SM, Carrera-Bastos P, Schmitz G. MicroRNA-21-Enriched Exosomes as Epigenetic Regulators in Melanomagenesis and Melanoma Progression: The Impact of Western Lifestyle Factors.
Cancers. 2020;12(8):40.
- Meyer S, Gessner DK, Braune MS, Friedhoff T, Most E, Horing M, Liebisch G, Zorn H, Eder K, Ringseis R. Comprehensive evaluation of the metabolic effects of insect meal from *Tenebrio molitor* L. in growing pigs by transcriptomics, metabolomics and lipidomics.
J Anim Sci Biotechnol. 2020;11(1):19.
- Mooren FC, Krueger K, Ringseis R, Eder K, Liebisch G, Conrad K, Alack K, Maleki BH. Combined effects of moderate exercise and short-term fasting on markers of immune function in healthy human subjects.
Am J Physiol-Regul Integr Comp Physiol. 2020;318(6):R1103-R1115.

Muller S, Wallner S, Schmitz G, Loew T, Stempf T, Mohle C, Strack C, Sag S, Baessler A, Fischer M. SNP dependent modulation of circulating miRNAs from the miR25/93/106 cluster in patients undergoing weight loss. *Gene*. 2020;753:7.

Multhoff G, Seier S, Stangl S, Sievert W, Shevtsov M, Werner C, Pockley AG, Blankenstein C, Hildebrandt M, Offner R, Ahrens N, Kokowski K, Hautmann M, Rodel C, Fietkau R, Lubgan D, Huber R, Hautmann H, Duell T, Molls M, Specht H, Haller B, Devecka M, Sauter A, Combs SE. Targeted Natural Killer Cell-Based Adoptive Immunotherapy for the Treatment of Patients with NSCLC after Radiochemotherapy: A Randomized Phase II Clinical Trial. *Clin Cancer Res*. 2020;26(20):5368-5379.

O'Donnell VB, FitzGerald GA, Murphy RC, Liebisch G, Dennis EA, Quehenberger O, Subramaniam S, Wakelam MJO. Steps Toward Minimal Reporting Standards for Lipidomics Mass Spectrometry in Biomedical Research Publications. *Circ-Genom Precis Med*. 2020;13(6):737-741.

Orso E, Burkhardt R. ATP-citrate lyase: a driver of metabolism and histone acetylation. *Curr Opin Lipidology*. 2020;31(6):361-363.

Pamler I, Richter E, Hutchinson JA, Hahnel V, Holler E, Gessner A, Burkhardt R, Ahrens N. Bacterial contamination rates in extracorporeal photopheresis. *Transfusion*. 2020;60(6):1260-1266.

Sawitzki B, Harden PN, Reinke P, Moreau A, Hutchinson JA, Game DS, Tang QZ, Guinan EC, Battaglia M, Burlingham WJ, Roberts ISD, Streitz M, Josien R, Boger CA, Scotta C, Markmann JF, Hester JL, Juerchott K, Braudeau C, James B, Contreras-Ruiz L, van der Net JB, Bergler T, Caldara R, Petchey W, Edinger M, Dupas N, Kapinsky M, Mutzbauer I, Otto NM, Ollinger R, Hernandez-Fuentes MP, Issa F, Ahrens N, Meyenberg C, Karitzky S, Kunzendorf U, Knechtle SJ, Grinyo J, Morris PJ, Brent L, Bushell A, Turka LA, Bluestone JA, Lechler RI, Schlitt HJ, Cuturi MC, Schlickeiser S, Friend PJ, Miloud T, Scheffold A, Secchi A, Crisalli K, Kang SM, Hilton R, Banas B, Blanco G, Volk HD, Lombardi G, Wood KJ, Geissler EK. Regulatory cell therapy in kidney transplantation (The ONE Study): a harmonised design and analysis of seven non-randomised, single-arm, phase 1/2A trials. *Lancet*. 2020;395(10237):1627-1639.

Sawitzki B, Harden PN, Reinke P, Moreau A, Hutchinson JA, Game DS, Tang QZ, Guinan EC, Battaglia M, Burlingham WJ, Roberts ISD, Streitz M, Josien R, Boger CA, Scotta C, Markmann JF, Hester JL, Juerchott K, Braudeau C, James B, Contreras-Ruiz L, van der Net JB, Bergler T, Caldara R, Petchey W, Edinger M, Dupas N, Kapinsky M, Mutzbauer I, Otto NM, Ollinger R, Hernandez-Fuentes MP, Issa F, Ahrens N, Meyenberg C, Karitzky S, Kunzendorf U, Knechtle SJ, Grinyo J, Morris PJ, Brent L, Bushell A, Turka LA, Bluestone JA, Lechler RI, Schlitt HJ, Schlickeiser S, Cuturi MC, Schlickeiser S, Friend PJ, Miloud T, Scheffold A, Secchi A, Crisalli K, Kang SM, Hilton R, Banas B, Blanco G, Volk HD, Lombardi G, Wood KJ, Geissler EK. Regulatory cell therapy in kidney transplantation (The ONE Study): a harmonised design and analysis of seven non-randomised, single-arm, phase 1/2A trials (vol 395, pg 1627, 2020). *Lancet*. 2020;395(10242):1972-1972.

Scholz M, Henger S, Beutner F, Teren A, Baber R, Willenberg A, Ceglarek U, Pott J, Burkhardt R, Thiery J.

Cohort Profile: The Leipzig Research Center for Civilization Diseases-Heart Study (LIFE-Heart).
Int J Epidemiol. 2020;49(5):1439-+.

Seidel E, Walenda G, Messerschmidt C, Obermayer B, Peitzsch M, Wallace P, Bahethi R, Yoo T, Choi M, Schrade P, Bachmann S, Liebisch G, Eisenhofer G, Beule D, Scholl UI.
Generation and characterization of a mitotane-resistant adrenocortical cell line.
Endocr Connect. 2020;9(2):122-134.

Spanier G, Bottcher J, Gerken M, Fischer R, Roth G, Lehn P, Klingelhoffer C, Meier JK, Fraccaroli A, Tischer J, Ettl T, Klinkhammer-Schalke M, Reichert TE, Spoerl S.
Prognostic value of perioperative red blood cell transfusion and anemia on survival and recurrence in oral squamous cell carcinoma.
Oral Oncol. 2020;107:8.

Vianello E, Dozio E, Bandera F, Froidi M, Micaglio E, Lamont J, Tacchini L, Schmitz G, Romanelli MMC.
Correlative Study on Impaired Prostaglandin E2 Regulation in Epicardial Adipose Tissue and Its Role in Maladaptive Cardiac Remodeling via EPAC2 and ST2 Signaling in Overweight Cardiovascular Disease Subjects.
International journal of molecular sciences. 2020;21(2):16.

Vianello E, Dozio E, Bandera F, Schmitz G, Nebuloni M, Longhi E, Tacchini L, Guazzi M, Romanelli MMC.
Dysfunctional EAT thickness may promote maladaptive heart remodeling in CVD patients through the ST2-IL33 system, directly related to EPAC protein expression (vol 9, 10331, 2019).
Sci Rep. 2020;10(1):3.

Zheng Y, Huang T, Wang TG, Mei ZD, Sun ZH, Zhang T, Ellervik C, Chai JF, Sim XL, van Dam RM, Tai ES, Koh WP, Dorajoo R, Saw SM, Sabanayagam C, Wong TY, Gupta P, Rossing P, Ahluwalia TS, Vinding RK, Bisgaard H, Bonnelykke K, Wang YJ, Graff M, Voortman T, van Rooij FJA, Hofman A, van Heemst D, Noordam R, Estampador AC, Varga TV, Enzenbach C, Scholz M, Thiery J, Burkhardt R, Orho-Melander M, Schulz CA, Ericson U, Sonestedt E, Kubo M, Akiyama M, Zhou A, Kilpelainen TO, Hansen T, Kleber ME, Delgado G, McCarthy M, Lemaitre RN, Felix JF, Jaddoe VVW, Wu Y, Mohlke KL, Lehtimäki T, Wang CA, Pennell CE, Schunkert H, Kessler T, Zeng LY, Willenborg C, Peters A, Lieb W, Grote V, Rzehak P, Koletzko B, Erdmann J, Munz M, Wu TC, He M, Yu CZ, LeCoeur C, Froguel P, Corella D, Moreno LA, Lai CQ, Pitkanen N, Boreham CA, Ridker PM, Rosendaal FR, de Mutsert R, Power C, Paternoster L, Sorensen TIA, Tjønneland A, Overvad K, Djousse L, Rivadeneira F, Lee NR, Raitakari OT, Kahonen M, Viikari J, Langhendries JP, Escribano J, Verduci E, Dedoussis G, König I, Balkau B, Coltell O, Dallongeville J, Meirhaeghe A, Amouyel P, Gottrand F, Pahkala K, Niinikoski H, Hyppönen E, Marz W, Mackey DA, Gruszfeld D, Tucker KL, Fumeron F, Estruch R, Ordovas JM, Arnett DK, Mook-Kanamori DO, Mozaffarian D, Psaty BM, North KE, Chasman DI, Qi L.
Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood.
Eur J Epidemiol. 2020;35(7):685-697.

2019

Baumstark D, Kremer W, Boettcher A, Schreier C, Sander P, Schmitz G, Kirchhoefer R, Huber F, Kalbitzer HR.
H-1 NMR spectroscopy quantifies visibility of lipoproteins, subclasses, and lipids at varied temperatures and pressures S.
J Lipid Res. 2019;60(9):1516-1534.

- Benitez-Paez A, Kjlbaek L, del Pulgar EMG, Brahe LK, Astrup A, Matysik S, Schott HF, Krautbauer S, Liebisch G, Boberska J, Claus S, Rampelli S, Brigidi P, Larsen LH, Sanz Y, MyNewGut C. A Multi-omics Approach to Unraveling the Microbiome-Mediated Effects of Arabinoxylan Oligosaccharides in Overweight Humans. *mSystems*. 2019;4(4):16.
- Bluecher C, Zilberfain C, Venus T, Spindler N, Dietrich A, Burkhardt R, Stadler SC, Estrela-Lopis I. Single cell study of adipose tissue mediated lipid droplet formation and biochemical alterations in breast cancer cells. *Analyst*. 2019;144(18):5558-5570.
- Buechler C, Feder S, Haberl EM, Aslanidis C. Chemerin Isoforms and Activity in Obesity. *International journal of molecular sciences*. 2019;20(5):16.
- Burkhardt R. Hyperlipidemia and cardiovascular disease: new insights on lipoprotein(a). *Curr Opin Lipidology*. 2019;30(3):260-261.
- Doblinger N, Bredthauer A, Mohrez M, Hahnel V, Graf B, Gruber M, Ahrens N. Impact of hydroxyethyl starch and modified fluid gelatin on granulocyte phenotype and function. *Transfusion*. 2019;59(6):2121-2130.
- Doring S, Seessle J, Gan-Schreier H, Javaheri B, Jiao L, Cheng YT, Tuma-Kellner S, Liebisch G, Herrmann T, Stremmel W, Chamulitrat W. Elevation of blood lipids in hepatocyte-specific fatty acid transport 4-deficient mice fed with high glucose diets. *Mol Genet Metab*. 2019;126(1):30-38.
- Dorn C, Petroff D, Neumann N, Kratzer A, El-Najjar N, Dietrich A, Kloft C, Zeitlinger M, Kees MG, Kees F, Wrigge H, Simon P. Plasma and tissue pharmacokinetics of fosfomycin in morbidly obese and non-obese surgical patients: a controlled clinical trial. *J Antimicrob Chemother*. 2019;74(8):2335-2340.
- Dozio E, Vianello E, Malavazos AE, Tacchini L, Schmitz G, Iacobellis G, Romanelli MMC. Epicardial adipose tissue GLP-1 receptor is associated with genes involved in fatty acid oxidation and white-to-brown fat differentiation: A target to modulate cardiovascular risk? *Int J Cardiol*. 2019;292:218-224.
- Foell J, Schulte JH, Pfirstinger B, Troeger A, Wolff D, Edinger M, Hofmann P, Aslanidis C, Lang P, Holler E, Eggert A, Corbacioglu S. Haploidentical CD3 or alpha/beta T-cell depleted HSCT in advanced stage sickle cell disease. *Bone Marrow Transplantation*. 2019;54(11):1859-1867.
- Gallego SF, Hermansson M, Liebisch G, Hodson L, Ejsing CS. Total Fatty Acid Analysis of Human Blood Samples in One Minute by High-Resolution Mass Spectrometry. *Biomolecules*. 2019;9(1):16.

- Graf D, Weitkunat K, Dotsch A, Liebisch G, Doring M, Kruger R, Stoll D, Vatareck E, von Coburg E, Loh G, Watzl B.
Specific Wheat Fractions Influence Hepatic Fat Metabolism in Diet-Induced Obese Mice.
Nutrients. 2019;11(10):19.
- Griese M, Bonella F, Costabel U, de Blic J, Tran NB, Liebisch G.
Quantitative Lipidomics in Pulmonary Alveolar Proteinosis.
Am J Respir Crit Care Med. 2019;200(7):881-887.
- Horing M, Ejsing CS, Hermansson M, Liebisch G.
Quantification of Cholesterol and Cholesteryl Ester by Direct Flow Injection High-Resolution Fourier Transform Mass Spectrometry Utilizing Species-Specific Response Factors.
Analytical chemistry. 2019;91(5):3459-3466.
- Ibrahim S, Dayoub R, Krautbauer S, Liebisch G, Wege AK, Melter M, Weiss TS.
Bile acid-induced apoptosis and bile acid synthesis are reduced by over-expression of Augmenter of Liver Regeneration (ALR) in a STAT3-dependent mechanism.
Experimental cell research. 2019;374(1):189-197.
- Krautbauer S, Neumeier M, Haberl EM, Pohl R, Feder S, Eisinger K, Rein-Fischboeck L, Buechler C.
The utrophin-beta 2 syntrophin complex regulates adipocyte lipid droplet size independent of adipogenesis.
Molecular and cellular biochemistry. 2019;452(1-2):29-39.
- Kunz S, Matysik S.
A comprehensive method to determine sterol species in human faeces by GC-triple quadrupole MS.
J Steroid Biochem Mol Biol. 2019;190:99-103.
- Liebisch G, Ecker J, Roth S, Schweizer S, Ottl V, Schott HF, Yoon H, Haller D, Holler E, Burkhardt R, Matysik S.
Quantification of Fecal Short Chain Fatty Acids by Liquid Chromatography Tandem Mass Spectrometry Investigation of Pre-Analytic Stability.
Biomolecules. 2019;9(4):13.
- Lutjohann D, Bjorkhem I, Friedrichs S, Kerksiek A, Lovgren-Sandblom A, Geilenkeuser WJ, Ahrends R, Andrade I, Ansorena D, Astiasaran I, Baila-Rueda L, Barriuso B, Becker S, Bretilon L, Browne RW, Caccia C, Ceglarek U, Cenarro A, Crick PJ, Fauler G, Garcia-Llatas G, Gray R, Griffiths WJ, Gylling H, Harding S, Helmschrodt C, Iuliano L, Janssen HG, Jones P, Kaipainen L, Kannenberg F, Lagarda MJ, Leoni V, Lottenberg AM, MacKay DS, Matysik S, McDonald J, Menendez-Carreno M, Myrie SB, Nunes VS, Ostlund RE, Polisecki E, Ramos F, Rideout TC, Schaefer EJ, Schmitz G, Wang YQ, Zerbinati C, Diczfalusy U, Schott HF.
First international descriptive and interventional survey for cholesterol and non-cholesterol sterol determination by gas- and liquid-chromatography-Urgent need for harmonisation of analytical methods.
J Steroid Biochem Mol Biol. 2019;190:115-125.
- Maurer K, Verloh N, Lurken L, Zeman F, Stroszczyński C, Pfister K, Kasprzak PM, Gnewuch C, Wildgruber M, Wohlgemuth WA, Müller-Wille R.
Kidney Failure After Occlusion of Accessory Renal Arteries in Endovascular Abdominal Aneurysm Repair.
Cardiovasc Interv Radiol. 2019;42(12):1687-1694.

- Melnik BC, John SM, Agamia NF, Chen W, De Vita V, Karadag AS, Plewig G, Schmitz G.
Isotretinoin's paradoxical effects in immortalized sebocytes.
Br J Dermatol. 2019;180(4):957-958.
- Melnik BC, Schmitz G.
Milk consumption does not prevent but induces type 2 diabetes.
Diabetes-Metab Res Rev. 2019;35(8):3.
- Melnik BC, Schmitz G.
Exosomes of pasteurized milk: potential pathogens of Western diseases.
J Transl Med. 2019;17:33.
- Meyer S, Gessner DK, Wen GP, Most E, Liebisch G, Zorn H, Ringseis R, Eder K.
The Antisteatotic and Hypolipidemic Effect of Insect Meal in Obese Zucker Rats is Accompanied by Profound Changes in Hepatic Phospholipid and 1-Carbon Metabolism.
Mol Nutr Food Res. 2019;63(8):14.
- Ming YN, Zhu XY, Tuma-Kellner S, Ganzha A, Liebisch G, Gan-Schreier H, Chamulitrat W.
iPla2 beta Deficiency Suppresses Hepatic ER UPR, Fxr, and Phospholipids in Mice Fed with MCD Diet, Resulting in Exacerbated Hepatic Bile Acids and Biliary Cell Proliferation.
Cells. 2019;8(8):18.
- Orso E, Robenek H, Boettcher A, Wolf Z, Liebisch G, Kramer W, Schmitz G.
Nonglucuronidated Ezetimibe Disrupts CD13-and CD64-Coassembly in Membrane Microdomains and Decreases Cellular Cholesterol Content in Human Monocytes/Macrophages.
Cytom Part A. 2019;95A(8):869-884.
- Otto AC, Gan-Schreier H, Zhu XY, Tuma-Kellner S, Staffer S, Ganzha A, Liebisch G, Chamulitrat W.
Group VIA phospholipase A2 deficiency in mice chronically fed with high-fat-diet attenuates hepatic steatosis by correcting a defect of phospholipid remodeling.
Biochim Biophys Acta Mol Cell Biol Lipids. 2019;1864(5):662-676.
- Patel RS, Schmidt AF, Tragante V, McCubrey RO, Holmes MV, Howe LJ, Direk K, Akerblom A, Leander K, Virani SS, Kaminski KA, Muehlschlegel JD, Dube MP, Allayee H, Almgren P, Alver M, Baranova EV, Behloul H, Boeckx B, Braund PS, Breitling LP, Delgado G, Duarte NE, Dufresne L, Eriksson N, Foco L, Gijsberts CM, Gong Y, Hartiala J, Heydarpour M, Hubacek JA, Kleber M, Kofink D, Kuukasjarvi P, Lee VV, Leiberer A, Lenzini PA, Levin D, Lyytikainen LP, Martinelli N, Mons U, Nelson CP, Nikus K, Pilbrow AP, Ploski R, Sun YV, Tanck MWT, Tang WHW, Trompet S, van der Laan SW, van Setten J, Vilmundarson RO, Anselmi CV, Vlachopoulou E, Boerwinkle E, Briguori C, Carlquist JF, Carruthers KF, Casu G, Deanfield J, Deloukas P, Dudbridge F, Fitzpatrick N, Gigante B, James S, Lokki ML, Lotufo PA, Marziliano N, Mordi IR, Muhlestein JB, Cheh CN, Pitha J, Saely CH, Samman-Tahhan A, Sandesara PB, Teren A, Timmis A, Van de Werf F, Wauters E, Wilde AAM, Ford I, Stott DJ, Algra A, Andreassi MG, Ardissino D, Arsenault BJ, Ballantyne CM, Bergmeijer TO, Bezzina CR, Body SC, Bogaty P, de Borst GJ, Brenner H, Burkhardt R, Carpeggiani C, Condorelli G, Cooper-DeHoff RM, Cresci S, de Faire U, Doughty RN, Drexel H, Engert JC, Fox KAA, Girelli D, Hagstrom E, Hazen SL, Held C, Hemingway H, Hofer IE, Hovingh GK, Johnson JA, de Jong PA, Jukema JW, Kaczor MP, Kahonen M, Kettner J, Kiliszek M, Klungel OH, Lagerqvist B, Lambrechts D, Laurikka JO, Lehtimaki T, Lindholm D, Mahmoodi BK, Maitland-van der Zee AH, McPherson R, Melander O, Metspalu A, Pepinski W, Olivieri O, Opolski G, Palmer CN, Pasterkamp G, Pepine CJ, Pereira AC, Note L, Quyyumi AA, Richards AM, Sanak M, Scholz M, Siegbahn A, Sinisalo J, Smith JG, Spertus JA, Stewart AFR, Szczeklik W, Szpakowicz A, ten Berg JM, Thanassoulis G, Thieiy J, van der Graaf Y,

Visseren FLJ, Waltenberger J, Van der Harst P, Tardif JC, Sattar N, Lang CC, Pare G, Brophy JM, Anderson JL, Marz W, Wallentin L, Cameron VA, Horne BD, Samani NJ, Hingorani AD, Asselbergs FW, Consortium CA-GD.

Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events A GENIUS-CHD Study of Individual Participant Data.

Circ-Genom Precis Med. 2019;12(4):12.

Patel RS, Tragante V, Schmidt AF, McCubrey RO, Holmes MV, Howe LJ, Direk K, Akerblom A, Leander K, Virani SS, Kaminski KA, Muehlschlegel JD, Allayee H, Almgren P, Alver M, Baranova EV, Behloui H, Boeckx B, Braund PS, Breitling LP, Delgado G, Duarte NE, Dube MP, Dufresne L, Eriksson N, Foco L, Scholz M, Gijsberts CM, Glinge C, Gong Y, Hartiala J, Heydarpour M, Hubacek JA, Kleber M, Kofink D, Kotti S, Kuukasjarvi P, Lee VV, Leiherer A, Lenzini PA, Levin D, Lyytikainen LP, Martinelli N, Mons U, Nelson CP, Nikus K, Pilbrow AP, Ploski R, Sun YV, Tanck MWT, Tang WHW, Trompet S, van der Laan SW, Van Setten J, Vilmundarson RO, Anselmi CV, Vlachopoulou E, Al Ali L, Boerwinkle E, Briguori C, Carlquist JF, Carruthers KF, Casu G, Deanfield J, Deloukas P, Dudbridge F, Engstrom T, Fitzpatrick N, Fox K, Gigante B, James S, Lokki ML, Lotufo PA, Marziliano N, Mordi IR, Muhlestein JB, Newton-Cheh C, Pitha J, Saely CH, Samman-Tahhan A, Sandesara PB, Teren A, Timmis A, Van de Werf F, Wauters E, Wilde AAM, Ford I, Stott DJ, Algra A, Andreassi MG, Ardissino D, Arsenault BJ, Ballantyne CM, Bergmeijer TO, Bezzina CR, Body SC, Boersma EH, Bogaty P, Bots ML, Brenner H, Brugts JJ, Burkhardt R, Carpeggiani C, Condorelli G, Cooper-DeHoff RM, Cresci S, Danchin N, de Faire U, Doughty RN, Drexel H, Engert JC, Fox KAA, Girelli D, Grobbee DE, Hagstrom E, Hazen SL, Held C, Hemingway H, Hofer IE, Hovingh GK, Jabbari R, Johnson JA, Jukema JW, Kaczor MP, Kahonen M, Kettner J, Kiliszek M, Klungel OH, Lagerqvist B, Lambrechts D, Laurikka JO, Lehtimaki T, Lindholm D, Mahmoodi BK, Maitland-van der Zee AH, McPherson R, Melander O, Metspalu A, Niemcunowicz-Janica A, Olivieri O, Opolski G, Palmer CN, Pasterkamp G, Pepine CJ, Pereira AC, Pilote L, Quyyumi AA, Richards AM, Sanak M, Siegbahn A, Simon T, Sinisalo J, Smith JG, Spertus JA, Stender S, Stewart AFR, Szczeklik W, Szpakowicz A, Tardif JC, ten Berg JM, Tfelt-Hansen J, Thanassoulis G, Thiery J, Torp-Pedersen C, van der Graaf Y, Visseren FLJ, Waltenberger J, Weeke PE, Van der Harst P, Lang CC, Sattar N, Cameron VA, Anderson JL, Brophy JM, Pare G, Horne BD, Marz W, Wallentin L, Samani NJ, Hingorani AD, Asselbergs FW.

Subsequent Event Risk in Individuals With Established Coronary Heart Disease Design and Rationale of the GENIUS-CHD Consortium.

Circ-Genom Precis Med. 2019;12(4):16.

Reinders Y, Pohl F, Ahrens N, Prantl L, Kuehlmann B, Haubner F.

Impact of platelet-rich plasma on cell migration processes after external radiation.

Clin Hemorheol Microcirc. 2019;73(1):43-51.

Rein-Fischboeck L, Haberl EM, Pohl R, Feder S, Liebisch G, Krautbauer S, Buechler C.

Variations in hepatic lipid species of age-matched male mice fed a methionine-choline-deficient diet and housed in different animal facilities.

Lipids Health Dis. 2019;18(1):12.

Satizabal CL, Adams HHH, Hibar DP, White CC, Knol MJ, Stein JL, Scholz M, Sargurupremraj M, Jahanshad N, Roshchupkin GV, Smith AV, Bis JC, Jian XQ, Luciano M, Hofer E, Teumer A, van der Lee SJ, Yang JY, Yanek LR, Lee TV, Li S, Hu YH, Koh JY, Eicher JD, Desrivieres S, Arias-Vasquez A, Chauhan G, Athanasiu L, Rentera ME, Kim S, Hoehn D, Armstrong NJ, Chen Q, Holmes AJ, den Braber A, Kloszewska I, Andersson M, Espeseth T, Grimm O, Abramovic L, Alhusaini S, Milaneschi Y, Pampmeyer M, Axelsson T, Ehrlich S, Roiz-Santianez R, Kraemer B, Haberg AK, Jones HJ, Pike GB, Stein DJ, Stevens A, Bralten J, Vernooij MW, Harris TB, Filippi I, Witte AV, Guadalupe T, Wittfeld K, Mosley TH, Becker JT, Doan NT, Hagenaars SP, Saba Y, Cuellar-Partida G, Amin N, Hilal S, Nho K, Mirza-Schreiber N, Arfanakis K, Becker DM, Ames D, Goldman AL, Lee PH, Boomsma DI, Lovestone

S, Giddaluru S, Le Hellard S, Mattheisen M, Bohlken MM, Kasperaviciute D, Schmaal L, Lawrie SM, Agartz I, Walton E, Tordesillas-Gutierrez D, Davies GE, Shin J, Ipser JC, Vinke LN, Hoogman M, Jia TY, Burkhardt R, Klein M, Crivello F, Janowitz D, Carmichael O, Haukvik UK, Aribisala BS, Schmidt H, Strike LT, Cheng CY, Risacher SL, Putz B, Fleischman DA, Assareh AA, Mattay VS, Buckner RL, Mecocci P, Dale AM, Cichon S, Boks MP, Matarin M, Penninx B, Calhoun VD, Chakravarty MM, Marquand AF, Macare C, Masouleh SK, Oosterlaan J, Amouyel P, Hegenscheid K, Rotter JI, Schork AJ, Liewald DCM, de Zubicaray GI, Wong TY, Shen L, Samann PG, Brodaty H, Roffman JL, de Geus EJC, Tsolaki M, Erk S, van Eijk KR, Cavalleri GL, van der Wee NJA, McIntosh AM, Gollub RL, Bulayeva KB, Bernard M, Richards JS, Himali JJ, Loeffler M, Rommelse N, Hoffmann W, Westlye LT, Hernandez MCV, Hansell NK, van Erp TGM, Wolf C, Kwok JBJ, Vellas B, Heinz A, Loohuis LMO, Delanty N, Ho BC, Ching CRK, Shumskaya E, Singh B, Hofman A, van der Meer D, Homuth G, Psaty BM, Bastin ME, Montgomery GW, Foroud TM, Reppermund S, Hottenga JJ, Simmons A, Meyer-Lindenberg A, Cahn W, Whelan CD, van Donkelaar MMJ, Yang Q, Hosten N, Green RC, Thalamuthu A, Mohnke S, Pol HEH, Lin HH, Jack CR, Schofield PR, Muhleisen TW, Maillard P, Potkin SG, Wen W, Fletcher E, Toga AW, Gruber O, Huentelman M, Smith GD, Launer LJ, Nyberg L, Jonsson EG, Crespo-Facorro B, Koen N, Greve DN, Uitterlinden AG, Weinberger DR, Steen VM, Fedko IO, Groenewold NA, Niessen WJ, Toro R, Tzourio C, Longstreth WT, Ikram MK, Smoller JW, van Tol MJ, Sussmann JE, Paus T, Lemaitre H, Schroeter ML, Mazoyer B, Andreassen OA, Holsboer F, Depondt C, Veltman DJ, Turner JA, Pausova Z, Schumann G, van Rooij D, Djurovic S, Deary IJ, McMahon KL, Muller-Myhsok B, Brouwer RM, Soininen H, Pandolfo M, Wassink TH, Cheung JW, Wolfers T, Martinot JL, Zwiers MP, Nauck M, Melle I, Martin NG, Kanai R, Westman E, Kahn RS, Sisodiya SM, White T, Saremi A, van Bokhoven H, Brunner HG, Volzke H, Wright MJ, van't Ent D, Nothen MM, Ophoff RA, Buitelaar JK, Fernandez G, Sachdev PS, Rietschel M, van Haren NEM, Fisher SE, Beiser AS, Francks C, Saykin AJ, Mather KA, Romanczuk-Seiferth N, Hartman CA, DeStefano AL, Heslenfeld DJ, Weiner MW, Walter H, Hoekstra PJ, Nyquist PA, Franke B, Bennett DA, Grabe HJ, Johnson AD, Chen C, van Duijn CM, Lopez OL, Fornage M, Wardlaw JM, Schmidt R, DeCarli C, De Jager PL, Villringer A, Debette S, Gudnason V, Medland SE, Shulman JM, Thompson PM, Seshadri S, Ikram MA.

Genetic architecture of subcortical brain structures in 38,851 individuals.

Nature Genet. 2019;51(11):1624-+.

Schlossbauer MH, Hubauer U, Stadler S, Hupf J, Sag S, Birner C, Zimmermann M, Orso E, Fischer M, Luchner A, Maier LS, Jungbauer CG.

The role of the tubular biomarkers NAG, kidney injury molecule-1 and neutrophil gelatinase-associated lipocalin in patients with chest pain before contrast media exposition.

Biomark Med. 2019;13(5):379-392.

Schweizer S, Liebisch G, Oeckl J, Hoering M, Seeliger C, Schiebel C, Klingenspor M, Ecker J.

The lipidome of primary murine white, brite, and brown adipocytes-Impact of beta-adrenergic stimulation.

PLoS Biol. 2019;17(8):20.

Seessle J, Liebisch G, Schmitz G, Stremmel W, Chamulitrat W.

Compositional Changes Among Triglycerides and Phospholipids During FATP4 Sensitization with Palmitate Lead to ER Stress in Cultured Cells.

Eur J Lipid Sci Technol. 2019;121(5):9.

Seidl E, Kiermeier H, Liebisch G, Ballmann M, Hesse S, Paul-Buck K, Ratjen F, Rietscherl E, Griese M.

Lavage lipidomics signatures in children with cystic fibrosis and protracted bacterial bronchitis.

J Cyst Fibros. 2019;18(6):790-795.

Sluzalska KD, Liebisch G, Ishaque B, Schmitz G, Rickert M, Steinmeyer J.

The Effect of Dexamethasone, Adrenergic and Cholinergic Receptor Agonists on Phospholipid Metabolism in Human Osteoarthritic Synoviocytes.

International journal of molecular sciences. 2019;20(2):17.

Teumer A, Li Y, Ghasemi S, Prins BP, Wuttke M, Hermle T, Giri A, Sieber KB, Qiu CX, Kirsten H, Tin A, Chu AY, Bansal N, Feitosa MF, Wang L, Chai JF, Cocca M, Fuchsberger C, Gorski M, Hoppmann A, Horn K, Li M, Marten J, Noce D, Nutile T, Sedaghat S, Sveinbjornsson G, Tayo BO, Van der Most PJ, Xu YZ, Yu Z, Gerstner L, Arnlov J, Bakker SJL, Baptista D, Biggs ML, Boerwinkle E, Brenner H, Burkhardt R, Carroll RJ, Chee ML, Chee ML, Chen MM, Cheng CY, Cook JP, Coresh J, Corre T, Danesh J, de Borst MH, De Grandi A, de Mutsert R, de Vries APJ, Degenhardt F, Dittrich K, Divers J, Eckardt KU, Ehret G, Endlich K, Felix JF, Franco OH, Franke A, Freedman BI, Freitag-Wolf S, Gansevoort RT, Giedraitis V, Gogele M, Grundner-Culemann F, Gudbjartsson DF, Gudnason V, Hamet P, Harris TB, Hicks AA, Holm H, Foo VHX, Hwang SJ, Ikram MA, Ingelsson E, Jaddoe VVW, Jakobsdottir J, Josyula NS, Jung B, Kahonen M, Khor CC, Kiess W, Koenig W, Korner A, Kovacs P, Kramer H, Kramer BK, Kronenberg F, Lange LA, Langefeld CD, Lee JJM, Lehtimaki T, Lieb W, Lim SC, Lind L, Lindgren CM, Liu JJ, Loeffler M, Lytikainen LP, Mahajan A, Maranville JC, Mascalfoni D, McMullen B, Meisinger C, Meitinger T, Miliku K, Mook-Kanamori DO, Muller-Nurasyid M, Mychaleckyj JC, Nauck M, Nikus K, Ning B, Noordam R, Connell JO, Olafsson I, Palmer ND, Peters A, Podgornaia AI, Ponte B, Poulain T, Pramstaller PP, Rabelink TJ, Raffield LM, Reilly DF, Rettig R, Rheinberger M, Rice KM, Rivadeneira F, Runz H, Ryan KA, Sabanayagam C, Saum KU, Schottker B, Shaffer CM, Shi Y, Smith AV, Strauch K, Stumvoll M, Sun BB, Szymczak S, Tai ES, Tan NYQ, Taylor KD, Teren A, Tham YC, Thiery J, Thio CHL, Thomsen H, Thorsteinsdottir U, Tonjes A, Tremblay J, Uitterlinden AG, Van der Harst P, Verweij N, Vogelesang S, Volker U, Waldenberger M, Wang C, Wilson OD, Wong C, Wong TY, Yang Q, Yasuda M, Akilesh S, Bochud M, Boger CA, Devuyst O, Edwards TL, Ho K, Morris AP, Parsa A, Pendergrass SA, Psaty BM, Rotter JI, Stefansson K, Wilson JG, Susztak K, Snieder H, Heid IM, Scholz M, Butterworth AS, Hung AM, Pattaro C, Kottgen A. Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria.

Nature communications. 2019;10:19.

Tin A, Marten J, Kuhns VLH, Li Y, Wuttke M, Kirsten H, Sieber KB, Qiu CX, Gorski M, Yu Z, Giri A, Sveinbjornsson G, Li M, Chu AY, Hoppmann A, O'Connor LJ, Prins B, Nutile T, Noce D, Akiyama M, Cocca M, Ghasemi S, van Der Most PJ, Horn K, Xu YZ, Fuchsberger C, Sedaghat S, Afaq S, Amin N, Arnlo J, Bakker SJL, Bansal N, Baptista D, Bergmann S, Biggs ML, Biino G, Boerwinkle E, Bottinger EP, Boutin TS, Brumat M, Burkhardt R, Campana E, Campbell A, Campbell H, Carroll RJ, Catamo E, Chambers JC, Ciullo M, Concas MP, Coresh J, Corre T, Cusi D, Felicita SC, de Borst MH, De Grandi A, de Mutsert R, de Vries APJ, Delgado G, Demirkan A, Devuyst O, Dittrich K, Eckardt KU, Ehret G, Endlich K, Evans MK, Gansevoort RT, Gasparini P, Giedraitis V, Gieger C, Girotto G, Ggele M, Gordon SD, Gudbjartsson DF, Gudnason V, Haller T, Hamet P, Harris TB, Hayward C, Hicks AA, Hofer E, Holm H, Huang W, Hutri-Kahonen N, Hwang SJ, Ikram MA, Lewis RM, Ingelsson E, Jakobsdottir J, Jonsdottir I, Jonsson H, Joshi PK, Josyula NS, Jung B, Kahonen M, Kamatani Y, Kanai M, Kerr SM, Kiess W, Kleber ME, Koenig W, Kooner JS, Korner A, Kovacs P, Kramer BK, Kronenberg F, Kubo M, Kuhnel B, La Bianca M, Lange LA, Lehne B, Lehtimaki T, Liu J, Loeffler M, Loos RJF, Lytikainen LP, Magi R, Mahajan A, Martin NG, Marz W, Mascalfoni D, Matsuda K, Meisinger C, Meitinger T, Metspalu A, Milanesechi Y, Odonnell CJ, Wilson OD, Gaziano JM, Mishra PP, Mohlke KL, Mononen N, Montgomery GW, Mook-Kanamori DO, Muller-Nurasyid M, Nadkarni GN, Nalls MA, Nauck M, Nikus K, Ning BT, Nolte IM, Noordam R, O'Connell JR, Olafsson I, Padmanabhan S, Penninx B, Perls T, Peters A, Pirastu M, Pirastu N, Pistis G, Polasek O, Ponte B, Porteous DJ, Poulain T, Preuss MH, Rabelink TJ, Raffield LM, Raitakari OT, Rettig R, Rheinberger M, Rice KM, Rizzi F, Robino A, Rudan I, Krajcoviechova A, Cifkova R, Rueedi R, Ruggiero D, Ryan KA, Saba Y, Salvi E, Schmidt H, Schmidt R, Shaffer CM, Smith AV, Smith BH, Spracklen CN, Strauch K, Stumvoll M, Sulem P, Tajuddin SM, Teren A, Thiery J, Thio CHL, Thorsteinsdottir U, Toniolo D, Tonjes A,

Tremblay J, Uitterlinden AG, Vaccargiu S, van der Harst P, van Duijn CM, Verweij N, Volker U, Vollenweider P, Waeber G, Waldenberger M, Whitfield JB, Wild SH, Wilson JF, Yang Q, Zhang WH, Zonderman AB, Bochud M, Wilson JG, Pendergrass SA, Ho K, Parsa A, Pramstaller PP, Psaty BM, Boger CA, Snieder H, Butterworth AS, Okada Y, Edwards TL, Stefansson K, Susztak K, Scholz M, Heid IM, Hung AM, Teumer A, Pattaro C, Woodward OM, Vitart V, Kottgen A, German Chronic Kidney Dis S, Lifelines Cohort S, Program VAMV.

Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels.

Nature Genet. 2019;51(10):1459-+.

Umkehrer S, Birnbacher L, Burkhardt R, von Teuffenbach M, Yildirim AO, Pfeiffer D, Herzen J, Pfeiffer F.

Optimization of in vivo murine X-ray dark-field computed tomography.

Rev Sci Instrum. 2019;90(10):8.

Vianello E, Dozio E, Bandera F, Schmitz G, Nebuloni M, Longhi E, Tacchini L, Guazzi M, Romanelli MMC.

Dysfunctional EAT thickness may promote maladaptive heart remodeling in CVD patients through the ST2-IL33 system, directly related to EPAC protein expression.

Sci Rep. 2019;9:11.

Vianello E, Massimiliano MMT, Dozio E, Bandera F, Tacchini L, Canciani E, Dellavia C, Schmitz G, Lorenzo M, Massimiliano MCR.

Correlational study on altered epicardial adipose tissue as a stratification risk factor for valve disease progression through IL-13 signaling.

J Mol Cell Cardiol. 2019;132:210-218.

Wagner R, Dittrich J, Thiery J, Ceglarek U, Burkhardt R.

Simultaneous LC/MS/MS quantification of eight apolipoproteins in normal and hypercholesterolemic mouse plasma S.

J Lipid Res. 2019;60(4):900-908.

Winkler S, Hempel M, Hsu MJ, Gericke M, Kuhne H, Bruckner S, Erlen S, Burkhardt R, Christ B.

Immune-Deficient Pfp/Rag2(-/-) Mice Featured Higher Adipose Tissue Mass and Liver Lipid Accumulation with Growing Age than Wildtype C57BL/6N Mice.

Cells. 2019;8(8):22.

Wuttke M, Li Y, Li M, Sieber KB, Feitosa MF, Gorski M, Tin A, Wang LH, Chu AY, Hoppmann A, Kirsten H, Giri A, Chai JF, Sveinbjornsson G, Tayo BO, Nutile T, Fuchsberger C, Marten J, Cocca M, Ghasemi S, Xu YZ, Horn K, Noce D, Van der Most PJ, Sedaghat S, Yu Z, Akiyama M, Afaq S, Ahluwalia TS, Almgren P, Amin N, Arnlo J, Bakker SJL, Bansal N, Baptista D, Bergmann S, Biggs ML, Biino G, Boehnke M, Boerwinkle E, Boissel M, Bottinger EP, Boutin TS, Brenner H, Brumat M, Burkhardt R, Butterworth AS, Butterworth AS, Campbell A, Campbell H, Canouil M, Carroll RJ, Catamo E, Chambers JC, Chee ML, Chee ML, Chen X, Cheng CY, Cheng YR, Christensen K, Cifkova R, Ciullo M, Concas MP, Cook JP, Coresh J, Corre T, Sala CF, Cusi D, Danesh J, Daw EW, Borst MH, Grandi A, Mutsert R, Vries APJ, Degenhardt F, Delgado G, Demirkan A, Di Angelantonio E, Dittrich K, Divers J, Dorajoo R, Eckardt KU, Ehret G, Elliott P, Endlich K, Evans MK, Felix JF, Foo VHX, Franco OH, Franke A, Freedman BI, Freitag-Wolf S, Friedlander Y, Froguel P, Gansevoort RT, Gao H, Gasparini P, Gaziano JM, Giedraitis V, Gieger C, Girotto G, Giulianini F, Gogele M, Gordon SD, Gudbjartsson DF, Gudnason V, Haller T, Hamet P, Harris TB, Hartman CA, Hayward C, Hellwege JN, Heng CK, Hicks AA, Hofer E, Huang W, Hutri-Kahonen N, Hwang SJ, Ikram MA, Indridason OS, Ingelsson E, Ising M, Jaddoe VWV, Jakobsdottir J, Jonas JB, Joshi PK, Josyula NS, Jung B, Kahonen M, Kamatani Y,

Kammerer CM, Kanai M, Kastarinen M, Kerr SM, Khor CC, Kiess W, Kleber ME, Koenig W, Kooner JS, Korner A, Kovacs P, Kraja AT, Krajcoviechova A, Kramer H, Kramer BK, Kronenberg F, Kubo M, Kuhnel B, Kuokkanen M, Kuusisto J, Bianca M, Laakso M, Lange LA, Langefeld CD, Lee JJM, Lehne B, Lehtimäki T, Lieb W, Lim SC, Lind L, Lindgren CM, Liu J, Liu JJ, Loeffler M, Loos RJF, Lucae S, Lukas MA, Lyytikäinen LP, Magi R, Magnusson PKE, Mahajan A, Martin NG, Martins J, Marz W, Mascalzoni D, Matsuda K, Meisinger C, Meitinger T, Melander O, Metspalu A, Mikaelsdottir EK, Milanese Y, Miliku K, Mishra PP, Program V, Mohlke KL, Mononen N, Montgomery GW, Mook-Kanamori DO, Mychaleckyj JC, Nadkarni GN, Nalls MA, Nauck M, Nikus K, Ning B, Nolte IM, Noordam R, O'Connell J, O'Donoghue ML, Olafsson I, Oldehinkel AJ, Orho-Melander M, Ouwehand WH, Padmanabhan S, Palmer ND, Palsson R, Penninx B, Perls T, Perola M, Pirastu M, Pirastu N, Pistis G, Podgornaia AI, Polasek O, Ponte B, Porteous DJ, Poulain T, Pramstaller PP, Preuss MH, Prins BP, Province MA, Rabelink TJ, Raffield LM, Raitakari OT, Reilly DF, Rettig R, Rheinberger M, Rice KM, Ridker PM, Rivadeneira F, Rizzi F, Roberts DJ, Robino A, Rossing P, Rudan I, Rueedi R, Ruggiero D, Ryan KA, Saba Y, Sabanayagam C, Salomaa V, Salvi E, Saum KU, Schmidt H, Schmidt R, Schottker, Schulz CA, Schupf N, Shaffer CM, Shi Y, Smith AV, Smith BH, Soranzo N, Spracklen CN, Strauch K, Stringham HM, Stumvoll M, Svensson PO, Szymczak S, Tai ES, Tajuddin SM, Tan NYQ, Taylor KD, Teren A, Tham YC, Thiery J, Thio CHL, Thomsen H, Thorleifsson G, Toniolo D, Tonjes A, Tremblay J, Tzoulaki I, Uitterlinden AG, Vaccargiu S, Van Dam RM, Harst PD, Duijn CM, Edward DRV, Verweij N, Vogelesang S, Volker U, Vollenweider P, Waeber G, Waldenberger M, Wallentin L, Wang YX, Wang C, Waterworth DM, Wei W, White H, Whitfield JB, Wild SH, Wilson JF, Wojczynski MK, Wong C, Wong TY, Xu L, Yang Q, Yasuda M, Yerges-Armstrong LM, Zhang WH, Zonderman AB, Rotter JI, Bochud M, Psaty BM, Vitart V, Wilson JG, Dehghan A, Parsa A, Chasman DI, Ho K, Morris AP, Devuyst O, Akilesh S, Pendergrass SA, Sim XL, Boger CA, Okada Y, Edwards TL, Snieder H, Stefansson K, Hung AM, Heid IM, Scholz M, Teumer A, Kottgen A, Pattaro C, Lifelines CS.
A catalog of genetic loci associated with kidney function from analyses of a million individuals.
Nature Genet. 2019;51(6):957-+.

Zhu XY, Gan-Schreier H, Otto AC, Cheng YT, Staffer S, Tuma-Kellner S, Ganzha A, Liebisch G, Chamulitrat W.
iPLA2 beta deficiency in mice fed with MCD diet does not correct the defect of phospholipid remodeling but attenuates hepatocellular injury via an inhibition of lipid uptake genes.
Biochim Biophys Acta Mol Cell Biol Lipids. 2019;1864(5):677-687.

2018

Ahrens N, Geissler EK, Witt V, Berneburg M, Wolff D, Hirt SW, Banas B, Schlitt HJ, Hutchinson JA.
European Reflections on New Indications for Extracorporeal Photopheresis in Solid Organ Transplantation.
Transplantation. 2018;102(8):1279-1283.

Appenroth KJ, Sree KS, Bog M, Ecker J, Seeliger C, Böhm V, Lorkowski S, Sommer K, Vetter W, Tolzin-Banasch K, Kirmse R, Leiterer M, Dawczynski C, Liebisch G, Jahreis G.
Nutritional Value of the Duckweed Species of the Genus (*Lemnaceae*) as Human Food.
Front Chem. 2018;6:483.

Burla B, Arita M, Arita M, Bendt AK, Cazenave-Gassiot A, Dennis EA, Ekroos K, Han X, Ikeda K, Liebisch G, Lin MK, Loh TP, Meikle PJ, Orefi M, Quehenberger O, Shevchenko A, Torta F, Wakelam MJO, Wheelock CE, Wenk MR.

MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines.

J Lipid Res. 2018;59(10):2001-2017.

Chotikatum S, Naim HY, El-Najjar N.

Inflammation induced ER stress affects absorptive intestinal epithelial cells function and integrity.
Int Immunopharmacol. 2018;55:336-344.

DeFilipp Z, Peled JU, Li S, Mahabamunuge J, Dagher Z, Slingerland AE, Del Rio C, Valles B, Kempner ME, Smith M, Brown J, Dey BR, El-Jawahri A, McAfee SL, Spitzer TR, Ballen KK, Sung AD, Dalton TE, Messina JA, Dettmer K, Liebisch G, Oefner P, Taur Y, Pamer EG, Holler E, Mansour MK, van den Brink MRM, Hohmann E, Jenq RR, Chen YB.

Third-party fecal microbiota transplantation following allo-HCT reconstitutes microbiome diversity.

Blood Adv. 2018;2(7):745-753.

Dozio E, Vianello E, Grossi E, Menicanti L, Schmitz G, Corsi Romanelli MM.

Plasma fatty acid profile as biomarker of coronary artery disease: a pilot study using fourth generation artificial neural networks.

J Biol Regul Homeost Agents. 2018;32(4):1007-1013.

Eisinger K, Rein-Fischboeck L, Neumeier M, Schmidhofer S, Pohl R, Haberl EM, Liebisch G, Kopp A, Schmid A, Krautbauer S, Buechler C.

Alpha-syntrophin deficient mice are protected from adipocyte hypertrophy and ectopic triglyceride deposition in obesity.

Exp Mol Pathol. 2018;104(3):212-221.

El-Najjar N, Hösl J, Holzmann T, Jantsch J, Gessner A.

UPLC-MS/MS method for therapeutic drug monitoring of 10 antibiotics used in intensive care units.

Drug Test Anal. 2018;10(3):584-591.

Franceschini N, Giambartolomei C, de Vries PS, Finan C, Bis JC, Huntley RP, Lovering RC, Tajuddin SM, Winkler TW, Graff M, Kavousi M, Dale C, Smith AV, Hofer E, van Leeuwen EM, Nolte IM, Lu LY, Scholz M, Sargurupremraj M, Pitkanen N, Franzen O, Joshi PK, Noordam R, Marioni RE, Hwang SJ, Musani SK, Schminke U, Palmas W, Isaacs A, Correa A, Zonderman AB, Hofman A, Teumer A, Cox AJ, Uitterlinden AG, Wong A, Smit AJ, Newman AB, Britton A, Ruusalepp A, Sennblad B, Hedblad B, Pasaniuc B, Penninx BW, Langefeld CD, Wassel CL, Tzourio C, Fava C, Baldassarre D, O'Leary DH, Teupser D, Kuh D, Tremoli E, Mannarino E, Grossi E, Boerwinkle E, Schadt EE, Ingelsson E, Veglia F, Rivadeneira F, Beutner F, Chauhan G, Heiss G, Snieder H, Campbell H, Volzke H, Markus HS, Deary IJ, Jukema JW, de Graaf J, Price J, Pott J, Hopewell JC, Liang JJ, Thiery J, Engmann J, Gertow K, Rice K, Taylor KD, Dhana K, Kiemeneij L, Lind L, Raffield LM, Launer LJ, Holdt LM, Dorr M, Dichgans M, Traylor M, Sitzer M, Kumari M, Kivimaki M, Nalls MA, Melander O, Raitakari O, Franco OH, Rueda-Ochoa OL, Roussos P, Whincup PH, Amouyel P, Giral P, Anugu P, Wong Q, Malik R, Rauramaa R, Burkhardt R, Hardy R, Schmidt R, de Mutsert R, Morris RW, Strawbridge RJ, Wannamethee SG, Hagg S, Shah S, McLachlan S, Trompet S, Seshadri S, Kurl S, Heckbert SR, Ring S, Harris TB, Lehtimaki T, Galesloot TE, Shah T, de Faire U, Plagnol V, Rosamond WD, Post W, Zhu XF, Zhang XL, Guo XQ, Saba Y, Dehghan A, Seldenrijk A, Morrison AC, Hamsten A, Psaty BM, van Duijn CM, Lawlor DA, Mook-Kanamori DO, Bowden DW, Schmidt H, Wilson JF, Wilson JG, Rotter JJ, Wardlaw JM, Deanfield J, Halcox J, Lyytikainen LP, Loeffler M, Evans MK, Debette S, Humphries SE, Volker U, Gudnason V, Hingorani AD, Bjorkegren JLM, Casas JP, O'Donnell CJ, Consortium M.

- GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes.
Nature communications. 2018;9:14.
- Gallego SF, Hermansson M, Liebisch G, Hodson L, Ejsing CS.
Total Fatty Acid Analysis of Human Blood Samples in One Minute by High-Resolution Mass Spectrometry.
Biomolecules. 2018;9(1).
- Giehr P, Kyriakopoulos C, Lepikhov K, Wallner S, Wolf V, Walter J.
Two are better than one: HPoxBS - hairpin oxidative bisulfite sequencing.
Nucleic Acids Res. 2018;46(15):e88.
- Göcze I, Jauch D, Götz M, Kennedy P, Jung B, Zeman F, Gnewuch C, Graf BM, Gnann W, Banas B, Bein T, Schlitt HJ, Bergler T.
Biomarker-guided Intervention to Prevent Acute Kidney Injury After Major Surgery: The Prospective Randomized BigpAK Study.
Ann Surg. 2018;267(6):1013-1020.
- Haberl EM, Pohl R, Rein-Fischboeck L, Feder S, Eisinger K, Krautbauer S, Sinal CJ, Buechler C.
Ex vivo analysis of serum chemerin activity in murine models of obesity.
Cytokine. 2018;104:42-45.
- Holcapek M, Liebisch G, Ekroos K.
Lipidomic Analysis.
Anal Chem. 2018;90(7):4249-4257.
- Hösl J, Gessner A, El-Najjar N.
Liquid chromatography-tandem mass spectrometry for the quantification of moxifloxacin, ciprofloxacin, daptomycin, caspofungin, and isavuconazole in human plasma.
J Pharm Biomed Anal. 2018;157:92-99.
- Hutchinson JA, Weigand K, Adenugba A, Kronenberg K, Haarer J, Zeman F, Riquelme P, Hornung M, Ahrens N, Schlitt HJ, Geissler EK, Werner JM.
Predicting Early Viral Control under Direct-Acting Antiviral Therapy for Chronic Hepatitis C Virus Using Pretreatment Immunological Markers.
Front Immunol. 2018;9:146.
- Just S, Mondot S, Ecker J, Wegner K, Rath E, Gau L, Streidl T, Hery-Arnaud G, Schmidt S, Lesker TR, Bieth V, Dunkel A, Strowig T, Hofmann T, Haller D, Liebisch G, Gérard P, Rohn S, Lepage P, Clavel T.
The gut microbiota drives the impact of bile acids and fat source in diet on mouse metabolism.
Microbiome. 2018;6(1):134.
- Karnati S, Garikapati V, Liebisch G, Van Veldhoven PP, Spengler B, Schmitz G, Baumgart-Vogt E.
Quantitative lipidomic analysis of mouse lung during postnatal development by electrospray ionization tandem mass spectrometry.
PLoS ONE. 2018;13(9):e0203464.
- Kentala H, Koponen A, Vihinen H, Pirhonen J, Liebisch G, Pataj Z, Kivelä A, Li S, Karhinen L, Jääskeläinen E, Andrews R, Meriläinen L, Matysik S, Ikonen E, Zhou Y, Jokitalo E, Olkkonen VM.
OSBP-related protein-2 (ORP2): a novel Akt effector that controls cellular energy metabolism.
Cell Mol Life Sci. 2018;75(21):4041-4057.

- Kindt A, Liebisch G, Clavel T, Haller D, Hormannsperger G, Yoon H, Kolmeder D, Sigrüener A, Krautbauer S, Seeliger C, Ganzha A, Schweizer S, Morisset R, Strowig T, Daniel H, Helm D, Kuster B, Krumsiek J, Ecker J.
The gut microbiota promotes hepatic fatty acid desaturation and elongation in mice.
Nature communications. 2018;9(1):3760.
- Kors L, Rampanelli E, Stokman G, Butter LM, Held NM, Claessen N, Larsen PWB, Verheij J, Zuurbier CJ, Liebisch G, Schmitz G, Girardin SE, Florquin S, Houtkooper RH, Leemans JC.
Deletion of NLRX1 increases fatty acid metabolism and prevents diet-induced hepatic steatosis and metabolic syndrome.
Biochim Biophys Acta. 2018;1864(5 Pt A):1883-1895.
- Krautbauer S, Liebisch G.
LC-MS/MS Analysis of Bile Acids.
Methods Mol Biol. 2018;1730:103-110.
- Krautbauer S, Rein-Fischboeck L, Haberl EM, Pohl R, Wiest R, Buechler C.
Circulating fibroblast growth factor 21 in patients with liver cirrhosis.
Clinical and experimental medicine. 2018;18(1):63-69.
- Lütjohann D, Björkhem I, Friedrichs S, Kerksiek A, Geilenkeuser WJ, Lövgren-Sandblom A, Ansorena D, Astiasarán I, Baila-Rueda L, Barriuso B, Bretillon L, Browne RW, Caccia C, Cenarro A, Crick PJ, Fauler G, García-Llatas G, Griffiths WJ, Iuliano L, Lagarda MJ, Leoni V, Lottenberg AM, Matysik S, McDonald J, Rideout TC, Schmitz G, Nunes VS, Wang Y, Zerbinati C, Diczfalusy U, Schött HF.
International descriptive and interventional survey for oxysterol determination by gas- and liquid-chromatographic methods.
Biochimie. 2018;153:26-32.
- Orso E, Florquin S, Schmitz G, Leemans JC, Rampanelli E. Oxidized low-density-lipoprotein uptake by renal tubular epithelial cells causes alterations of plasma membrane microdomain composition and signaling.
Int J Nephrol Kidney Fail. 2018;4(4):dx.doi.org/10.16966/12380-15498.16163.
- Platek T, Orso E, Zapala B, Polus A, Kiec-Wilk B, Piwowar M, Chojnacka M, Cialowicz U, Malczewska-Malec M, Schmitz G, Solnica B, Dembinska-Kie A.
Case report of dysregulation of primary bile acid synthesis in a family with X-linked adrenoleukodystrophy.
Medicine (Baltimore). 2018;97(49):e13353.
- Pujol-Lereis LM, Liebisch G, Schick T, Lin Y, Grassmann F, Uchida K, Zipfel PF, Fauser S, Skerka C, Weber BHF.
Evaluation of serum sphingolipids and the influence of genetic risk factors in age-related macular degeneration.
PLoS ONE. 2018;13(8):e0200739.
- Rampanelli E, Ochodnický P, Vissers JPC, Butter LM, Claessen N, Calcagni A, Kors L, Gethings LA, Bakker SJL, de Borst MH, Navis GJ, Liebisch G, Speijer D, van den Bergh Weerman MA, Jung B, Aten J, Steenbergen E, Schmitz G, Ballabio A, Florquin S, Aerts J, Leemans JC.
Excessive dietary lipid intake provokes an acquired form of lysosomal lipid storage disease in the kidney.
J Pathol. 2018;246(4):470-484.

- Rein-Fischboeck L, Haberl EM, Pohl R, Schmid V, Feder S, Krautbauer S, Liebisch G, Buechler C.
Alpha-syntrophin null mice are protected from non-alcoholic steatohepatitis in the methionine-
choline-deficient diet model but not the atherogenic diet model.
Biochim Biophys Acta. 2018;1863(5):526-537.
- Riquelme P, Haarer J, Kammler A, Walter L, Tomiuk S, Ahrens N, Wege AK, Goetze I, Zecher D, Banas
B, Spang R, Fändrich F, Lutz MB, Sawitzki B, Schlitt HJ, Ochando J, Geissler EK, Hutchinson JA.
TIGIT iTregs elicited by human regulatory macrophages control T cell immunity.
Nat Commun. 2018;9(1):2858.
- Sawierucha J, Posset M, Hähnel V, Johnson CL, Hutchinson JA, Ahrens N.
Comparison of two column agglutination tests for red blood cell antibody testing.
PLoS ONE. 2018;13(12):e0210099.
- Schindlbeck U, Wittmann T, Höppner S, Kinting S, Liebisch G, Hegermann J, Griese M.
ABCA3 missense mutations causing surfactant dysfunction disorders have distinct cellular
phenotypes.
Hum Mutat. 2018;39(6):841-850.
- Schott HF, Krautbauer S, Horing M, Liebisch G, Matysik S.
A Validated, Fast Method for Quantification of Sterols and Gut Microbiome Derived 5alpha/beta-
Stanols in Human Feces by Isotope Dilution LC-High-Resolution MS.
Analytical chemistry. 2018;90(14):8487-8494.
- von Hardenberg S, Gnewuch C, Schmitz G, Borlak J.
ApoE is a major determinant of hepatic bile acid homeostasis in mice.
J Nutr Biochem. 2018;52:82-91.
- Wallner S, Orsó E, Grandl M, Konovalova T, Liebisch G, Schmitz G.
Phosphatidylcholine and phosphatidylethanolamine plasmalogens in lipid loaded human
macrophages.
PLoS ONE. 2018;13(10):e0205706.
- Weickert MO, Hattersley JG, Kyrou I, Arafat AM, Rudovich N, Roden M, Nowotny P, von Loeffelholz C,
Matysik S, Schmitz G, Pfeiffer AFH.
Effects of supplemented isoenergetic diets varying in cereal fiber and protein content on the bile
acid metabolic signature and relation to insulin resistance.
Nutr Diabetes. 2018;8(1):11.
- Wonner R, Wallner S, Orsó E, Schmitz G.
Effects of acute exercise on monocyte subpopulations in metabolic syndrome patients.
Cytometry B Clin Cytom. 2018;94(4):596-605.
- Yan X, Wang Z, Bishop CA, Weitkunat K, Feng X, Tarbier M, Luo JK, Friedlander MR, Burkhardt R, Klaus
S, Willnow TE, Poy MN.
Control of hepatic gluconeogenesis by Argonaute2.
Mol Metab. 2018;18:15-24.

- Black, A., Heimerl, S., Oertli, L., Wilczek, W., Greinacher, A., Spannagl, M., Herr, W., Hart, C.
Implementation of a rapid HIT immunoassay at a university hospital - Retrospective analysis of HIT laboratory orders in patients with thrombocytopenia.
Thromb Res 2017; 158:65-70
- Black, A., Orsó, E., Kelsch, R., Pereira, M., Kamhieh-Milz, J., Salama, A., Fischer, M. B., Meyer, E., Frey, B. M., Schmitz, G.
Analysis of platelet-derived extracellular vesicles in plateletpheresis concentrates: a multicenter study.
Transfusion 2017; 57:1459-1469
- Buechler, C., Haberl, E. M., Rein-Fischboeck, L., Aslanidis, C.
Adipokines in Liver Cirrhosis.
Int J Mol Sci 2017; 18
- Buechler, C., Pohl, R., Aslanidis, C.
Pro-Resolving Molecules-New Approaches to Treat Sepsis?
Int J Mol Sci 2017; 18
- Dullinger, K., Pamler, I., Brosig, A., Mohrez, M., Hähnel, V., Offner, R., Dormann, F., Becke, C., Holler, E., Ahrens, N.
Granulocytapheresis with modified fluid gelatin versus high-molecular-weight hydroxyethyl starch: a matched-pair analysis.
Transfusion 2017; 57:397-403
- El-Najjar, N., Hösl, J., Holzmann, T., Jantsch, J., Gessner, A.
UPLC-MS/MS method for therapeutic drug monitoring of 10 antibiotics used in intensive care units.
Drug Test Anal 2017;
- El-Najjar, N., Jantsch, J., Gessner, A.
The use of liquid chromatography-tandem mass spectrometry for therapeutic drug monitoring of antibiotics in cancer patients.
Clin Chem Lab Med 2017; 55:1246-1261
- El-Najjar, N., Jantsch, J., Gessner, A.
A rapid liquid chromatography-tandem mass spectrometry for the quantification of Fosfomycin in plasma, urine, and aqueous fluids.
J Chromatogr B Analyt Technol Biomed Life Sci 2017; 1061-1062:57-64
- El-Najjar, N., Kulkarni, R. P., Nader, N., Hodeify, R., Machaca, K.
Effects of Hyperglycemia on Vascular Smooth Muscle Ca(2+) Signaling.
Biomed Res Int 2017; 2017:3691349
- Gessner, D. K., Winkler, A., Koch, C., Dusel, G., Liebisch, G., Ringseis, R., Eder, K.
Analysis of hepatic transcript profile and plasma lipid profile in early lactating dairy cows fed grape seed and grape marc meal extract.
BMC Genomics 2017; 18:253
- Göcze, I., Jauch, D., Götz, M., Kennedy, P., Jung, B., Zeman, F., Gnewuch, C., Graf, B. M., Gnann, W., Banas, B., Bein, T., Schlitt, H. J., Bergler, T.

- Biomarker-guided Intervention to Prevent Acute Kidney Injury After Major Surgery: The Prospective Randomized BigpAK Study.
Ann Surg 2017;
- Hähnel, V., Dormann, F., Nitsopoulos, A., Friedle, A., Ahrens, N.
A method for the quantification of 8-methoxypsoralen by mass spectrometry for offline extracorporeal photopheresis.
Photochem Photobiol Sci 2017; 16:193-200
- Hutchinson, J. A., Ahrens, N., Geissler, E. K.
MITAP-compliant characterization of human regulatory macrophages.
Transpl Int 2017; 30:765-775
- Hutchinson, J. A., Riquelme, P., Bach, C., Kekarainen, T., Fändrich, F., Geissler, E. K., Ahrens, N.
Donor-specific Anti-HLA Antibodies Present in Pooled Human Serum Do Not Prevent Development of Human Mreg_UKR From Monocytes in Culture.
Transplantation 2017; 101:e188-e190
- Jiao, L., Gan-Schreier, H., Zhu, X., Wei, W., Tuma-Kellner, S., Liebisch, G., Stremmel, W., Chamulitrat, W.
Ageing sensitized by iPLA2 β deficiency induces liver fibrosis and intestinal atrophy involving suppression of homeostatic genes and alteration of intestinal lipids and bile acids.
Biochim Biophys Acta 2017; 1862:1520-1533
- Kaiser, T., Kinny-Köster, B., Gnewuch, C., Karailieva, D., Kiehntopf, M., Kessler, A., Ritter-Sket, C., Schmidt, M., Brand, K., Thiery, J., Lichtinghagen, R.
Limited comparability of creatinine assays in patients with liver cirrhosis and their impact on the MELD score.
Pract Lab Med 2017; 8:41-48
- Kozik-Jaromin, J., Röseler, E., Heigl, F., Spitthöver, R., Ringel, J., Schmitz, G., Heinzler, R., Abdul-Rahman, N., Leistikow, F., Himmelsbach, F., Schettler, V., Uhlenbusch-Körwer, I., Ramlow, W.
Safety aspects of lipidapheresis using DALI and MONET - Multicenter observational study.
Atheroscler Suppl 2017; 30:225-231
- Krautbauer, S., Weiss, T. S., Wiest, R., Schacherer, D., Liebisch, G., Buechler, C.
Diagnostic Value of Systemic Cholesteryl Ester/Free Cholesterol Ratio in Hepatocellular Carcinoma.
Anticancer Res 2017; 37:3527-3535
- Krautbauer, S., Wiest, R., Liebisch, G., Buechler, C.
Associations of systemic sphingolipids with measures of hepatic function in liver cirrhosis are related to cholesterol.
Prostaglandins Other Lipid Mediat 2017; 131:25-32
- Kröner, C., Wittmann, T., Reu, S., Teusch, V., Klemme, M., Rauch, D., Hengst, M., Kappler, M., Cobanoglu, N., Sismanlar, T., Aslan, A. T., Campo, I., Proesmans, M., Schaible, T., Terheggen-Lagro, S., Regamey, N., Eber, E., Seidenberg, J., Schwerk, N., Aslanidis, C., Lohse, P., Brasch, F., Zarbock, R., Griese, M.
Lung disease caused by ABCA3 mutations.
Thorax 2017; 72:213-220

- Liebisch, G., Ekroos, K., Hermansson, M., Ejsing, C. S.
Reporting of lipidomics data should be standardized.
Biochim Biophys Acta 2017; 1862:747-751
- Matysik, S., Liebisch, G.
Quantification of steroid hormones in human serum by liquid chromatography-high resolution tandem mass spectrometry.
J Chromatogr A 2017; 1526:112-118
- Melnik, B. C., Schmitz, G.
MicroRNAs: Milk's epigenetic regulators.
Best Pract Res Clin Endocrinol Metab 2017; 31:427-442
- Melnik, B. C., Schmitz, G.
Milk's Role as an Epigenetic Regulator in Health and Disease.
Diseases 2017; 5
- Mysore, R., Liebisch, G., Zhou, Y., Olkkonen, V. M., Nidhina Haridas, P. A.
Angiopoietin-like 8 (Angptl8) controls adipocyte lipolysis and phospholipid composition.
Chem Phys Lipids 2017; 207:246-252
- Orsó, E., Schmitz, G.
Lipoprotein(a) and its role in inflammation, atherosclerosis and malignancies.
Clin Res Cardiol Suppl 2017; 12:31-37
- Pachakkil Antharaparambat, N. H., Mysore, R., Liebisch, G., Zhou, Y., Olkkonen, V.
Angiopoietin-like 8 (Angptl8) controls adipocyte lipolysis and phospholipid composition.
Atherosclerosis 2017; 263:e51
- Pienimaeki-Roemer, A., Konovalova, T., Musri, M. M., Sigrüener, A., Boettcher, A., Meister, G., Schmitz, G.
Transcriptomic profiling of platelet senescence and platelet extracellular vesicles.
Transfusion 2017; 57:144-156
- Pohl, R., Meier, E. M., Rein-Fischboeck, L., Zimny, S., Neumann, M., Aslanidis, C., Schacherer, D., Krautbauer, S., Eisinger, K., Weiss, T. S., Buechler, C.
Hepatic chemerin mRNA expression is reduced in human nonalcoholic steatohepatitis.
Eur J Clin Invest 2017; 47:7-18
- Ramlow, W., Röseler, E., Heigl, F., Spitthöver, R., Ringel, J., Schmitz, G., Heinzler, R., Abdul-Rahman, N., Leistikow, F., Himmelsbach, F., Schettler, V., Pham, J., Kozik-Jaromin, J.
Efficacy of lipid reduction with DALI and MONET.
Atheroscler Suppl 2017; 30:217-224
- Rampanelli, E., Orsó, E., Ochodnický, P., Liebisch, G., Bakker, P. J., Claessen, N., Butter, L. M., Van Den Bergh Weerman, M. A., Florquin, S., Schmitz, G., Leemans, J. C.
Metabolic injury-induced NLRP3 inflammasome activation dampens phospholipid degradation.
Sci Rep 2017; 7:2861
- Reinders, Y., Felthaus, O., Brockhoff, G., Pohl, F., Ahrens, N., Prantl, L., Haubner, F.
Impact of Platelet-Rich Plasma on Viability and Proliferation in Wound Healing Processes after External Radiation.

- Int J Mol Sci 2017; 18
Riquelme, P., Amodio, G., Macedo, C., Moreau, A., Obermajer, N., Brochhausen, C., Ahrens, N., Kekarainen, T., Fändrich, F., Cuturi, C., Gregori, S., Metes, D., Schlitt, H. J., Thomson, A. W., Geissler, E. K., Hutchinson, J. A.
DHRS9 Is a Stable Marker of Human Regulatory Macrophages.
Transplantation 2017; 101:2731-2738
- Schröder, C., Leitão, E., Wallner, S., Schmitz, G., Klein-Hitpass, L., Sinha, A., Jöckel, K. H., Heilmann-Heimbach, S., Hoffmann, P., Nöthen, M. M., Steffens, M., Ebert, P., Rahmann, S., Horsthemke, B.
Regions of common inter-individual DNA methylation differences in human monocytes: genetic basis and potential function.
Epigenetics Chromatin 2017; 10:37
- Sigruener, A., Wolfrum, C., Boettcher, A., Kopf, T., Liebisch, G., Orsó, E., Schmitz, G.
Lipidomic and metabolic changes in the P4-type ATPase ATP10D deficient C57BL/6J wild type mice upon rescue of ATP10D function.
PLoS ONE 2017; 12:e0178368
- Sluzalska, K. D., Liebisch, G., Lochnit, G., Ishaque, B., Hackstein, H., Schmitz, G., Rickert, M., Steinmeyer, J.
Interleukin-1 β affects the phospholipid biosynthesis of fibroblast-like synoviocytes from human osteoarthritic knee joints.
Osteoarthritis Cartilage 2017; 25:1890-1899
- Sluzalska, K. D., Liebisch, G., Wilhelm, J., Ishaque, B., Hackstein, H., Schmitz, G., Rickert, M., Steinmeyer, J.
Growth factors regulate phospholipid biosynthesis in human fibroblast-like synoviocytes obtained from osteoarthritic knees.
Sci Rep 2017; 7:13469
- Tafelmeier, M., Fischer, A., Orsó, E., Konovalova, T., Böttcher, A., Liebisch, G., Matysik, S., Schmitz, G.
Mildly oxidized HDL decrease agonist-induced platelet aggregation and release of pro-coagulant platelet extracellular vesicles.
J Steroid Biochem Mol Biol 2017; 169:176-188
- Von Hardenberg, S., Gnewuch, C., Schmitz, G., Borlak, J.
ApoE is a major determinant of hepatic bile acid homeostasis in mice.
J Nutr Biochem 2017; 52:82-91

2016

- Ahrens, N., Hutchinson, J. A.
Passenger Leucocyte Syndrome.
Transplantation 2016; 100:1787-1788
- Brosig, A., Hähnel, V., Orsó, E., Wolff, D., Holler, E., Ahrens, N.
Technical comparison of four different extracorporeal photopheresis systems.
Transfusion 2016; 56:2510-2519

- Deng, X., Wang, J., Jiao, L., Utaipan, T., Tuma-Kellner, S., Schmitz, G., Liebisch, G., Stremmel, W., Chamulitrat, W.
iPLA2? deficiency attenuates obesity and hepatic steatosis in ob/ob mice through hepatic fatty-acyl phospholipid remodeling.
Biochim Biophys Acta 2016; 1861:449-461
- Dozio, E., Vianello, E., Briganti, S., Lamont, J., Tacchini, L., Schmitz, G., Corsi Romanelli, M. M.
Expression of the Receptor for Advanced Glycation End Products in Epicardial Fat: Link with Tissue Thickness and Local Insulin Resistance in Coronary Artery Disease.
J Diabetes Res 2016; 2016:2327341
- Griese, M., Lorenz, E., Hengst, M., Schams, A., Wesselak, T., Rauch, D., Wittmann, T., Kirchberger, V., Escribano, A., Schaible, T., Baden, W., Schulze, J., Krude, H., Aslanidis, C., Schwerk, N., Kappler, M., Hartl, D., Lohse, P., Zarbock, R.
Surfactant proteins in pediatric interstitial lung disease.
Pediatr Res 2016; 79:34-41
- Grube, M., Wolff, D., Ahrens, N., Herzberg, P. Y., Herr, W., Holler, E.
ABO blood group antigen mismatch has an impact on outcome after allogeneic peripheral blood stem cell transplantation.
Clin Transplant 2016; 30:1457-1465
- Heimerl, S., Boettcher, A., Kaul, H., Liebisch, G.
Lipid profiling of lipoprotein X: Implications for dyslipidemia in cholestasis.
Biochim Biophys Acta 2016; 1861:681-687
- Kosinska, M. K., Mastbergen, S. C., Liebisch, G., Wilhelm, J., Dettmeyer, R. B., Ishaque, B., Rickert, M., Schmitz, G., Lafeber, F. P., Steinmeyer, J.
Comparative lipidomic analysis of synovial fluid in human and canine osteoarthritis.
Osteoarthritis Cartilage 2016; 24:1470-1478
- Krautbauer, S., Büchler, C., Liebisch, G.
Relevance in the Use of Appropriate Internal Standards for Accurate Quantification Using LC-MS/MS: Tauro-Conjugated Bile Acids as an Example.
Anal Chem 2016; 88:10957-10961
- Krautbauer, S., Eisinger, K., Wiest, R., Liebisch, G., Buechler, C.
Systemic saturated lysophosphatidylcholine is associated with hepatic function in patients with liver cirrhosis.
Prostaglandins Other Lipid Mediat 2016; 124:27-33
- Krautbauer, S., Meier, E. M., Rein-Fischboeck, L., Pohl, R., Weiss, T. S., Sigrüener, A., Aslanidis, C., Liebisch, G., Buechler, C.
Ceramide and polyunsaturated phospholipids are strongly reduced in human hepatocellular carcinoma.
Biochim Biophys Acta 2016; 1861:1767-1774
- Mardare, C., Krüger, K., Liebisch, G., Seimetz, M., Couturier, A., Ringseis, R., Wilhelm, J., Weissmann, N., Eder, K., Mooren, F. C.
Endurance and Resistance Training Affect High Fat Diet-Induced Increase of Ceramides, Inflammasome Expression, and Systemic Inflammation in Mice.
J Diabetes Res 2016; 2016:4536470

Meier, E. M., Rein-Fischboeck, L., Pohl, R., Wanninger, J., Hoy, A. J., Grewal, T., Eisinger, K., Krautbauer, S., Liebisch, G., Weiss, T. S., Buechler, C.
Annexin A6 protein is downregulated in human hepatocellular carcinoma.
Mol Cell Biochem 2016; 418:81-90

Meier, J., Filipescu, D., Kozek-Langenecker, S., Llau Pitarch, J., Mallett, S., Martus, P., Matot, I., Collaborators, Etpos, Accurso, G., Ahrens, N., Akan, M., Åkeröy, K., Aksoy, O., Alano?Lu, Z., Alfredo, M., Alkis, N., Almeida, V., Alousi, M., Alves, C., Amaral, J., Ambrosi, X., Ana, I., Anastase, D., Andersson, M., Andreou, A., Anthopoulos, G., Apanaviciute, D., Arbelaez, A., Arcade, A. L., Arion-Balescu, C., Arun, O., Azenha, M., Bacalbasa, N., Baeten, W., Balandin, A., Barquero López, M., Barsan, V., Bascuas, B., Basora, M., Baumann, H., Bayer, A., Bell, A., Belmonte Cuenca, J., Bengisun, Z. K., Bento, C., Beran, M., Bermudez Lopez, M., Bernardino, A., Berthelsen, K. G., Bigat, Z., Bilshiene, D., Bilska, M., Bisbe Vives, E., Biscioni, T., Björn, H., Blom, T., Bogdan Prodan, A., Bogdanovic Dvorscak, M., Boisson, M., Bolten, J., Bona, F., Borg, F., Boros, C., Borys, M., Boveroux, P., Boztug Uz, N., Brettner, F., Brisard, L., Britta, de W., Browne, G., Budow, K., Buerkle, H., Buggy, D., Cain, A., Calancea, E., Calarasu, F., Calder, V., Camci, A. E., Campiglia, L., Campos, B., Camps, A., Carlos, D., Carreira, C., Carrilho, A., Carvalho, P., Cassinello, C., Cattan, A., Cenni, L., Cerny, V., Ceyda Meço, B., Chesov, I., Chishti, A., Chupin, A. M., Cikova, A., Cindea, I., Cintula, D., Ciobanasu, R., Clements, D., Cobiletchi, S., Coburn, M., Coghlan, L., Collyer, T., Copotoiu, S. M., Copotoiu, R., Corneci, D., Cortegiani, A., Coskunfirat, O. K., Costea, D., Czuczwar, M., Davies, K., De Baerdemaeker, L., De Hert, S., Debernardi, F., Decagny, S., Deger Coskunfirat, N., Diana, T., Diana, G. M., Dias, S., Dickinson, M., Dobisova, A., Dragan, A., Droc, G., Duarte, S., Dunk, N., Ekelund, K., Ekmeççi, P., Elena, C., Ellimah, T., Espie, L., Everett, L., Ferguson, A., Fernandes, M., Fernández, J. A., Ferner, M., Ferreira, D., Ferrie, R., Filipescu, D., Flassikova, Z., Fleischer, A., Font, A., Galkova, K., Garcia, I., Garner, M., Gasenkampf, A., Gelmanas, A., Gherghina, V., Gilsanz, F., Giokas, G., Goebel, U., Gomes, P., Gonçalves Aguiar, J. M., Gonzalez Monzon, V., Gottschalk, A., Gouraud, J. P., Gramigni, E., Grintescu, I., Grynyuk, A., Grytsan, A., Guasch, E., Gustin, D., Hans, G., Harazim, H., Hervig, T., Hidalgo, F., Higham, C., Hirschauer, N., Hoeft, A., Innerhofer, P., Innerhofer-Pompernigg, N., Jacobs, S., Jakobs, N., Jamaer, L., James, S., Jawad, M., Jesus, J., Jhanji, S., Jipa Lavina, N., Jokinen, J., Jovanovic, G., Jubera, M. P., Kahn, D., Karjagin, J., Kasnik, D., Katsanoulas, K., Kelle, H., Kelleher, M., Kessler, F., Kirigin, B., Kiskira, O., Kivik, P., Klimi, P., Klu?Ka, J., Koers, L., Kontrimaviciut, E., Koopman-Van Gemert, A. W., Korfiotis, D., Kosinová, M., Koursoumi, E., Kozek Langenecker, S., Kranke, P., Kresic, M., Krobot, R., Kropman, L., Kulikov, A., Kvolik, S., Kvrgetic, I., Kytteri, A., Lagarto, F., Lance, M. D., Laufenberg, R., Lauwick, S., Lecoq, J. P., Leech, L., Lidzborski, L., Liliana, H., Linda, F., Llau Pitarch, J. V., Lopes, A., Lopez, L., Lopez Alvarez, A., Lorenzi, I., Lorre, G., Lucian, H., Lupis, T., Lupu, M. N., Macas, A., Macedo, A., Maggi, G., Mallett, S., Mallor, T., Manoleli, A., Manolescu, R., Manrique, S., Maquoi, I., Marios-Konstantinos, T., Markovic Bozic, J., Markus W, H., Marques, M., Martinez, R., Martinez, E., Martínez, E., Martinho, H., Martins, D., Martires, E., Martus, P., Matias, F., Matot, I., Mauff, S., Meale, P., Meier, J., Merz, H., Meybohm, P., Militello, M. G., Mincu, N., Miranda, M. L., Mirea, L., Moghildea, V., Moise, A., Molano Diaz, P., Moltó, L., Monedero, P., Moral, V., Moreira, Z., Moret, E., Mulders, F., Munteanu, A. M., Nadia Diana, K., Nair, A., Neskovic, V., Ninane, V., Nitu, D., Oberhofer, D., Odeberg-Werner, S., Oganjan, J., Omur, D., Orallo Moran, M. A., Ozkardesler, S., Pacasová, R., Paklar, N., Pandazi, A., Papaspyros, F., Paraskeuopoulos, T., Parente, S., Paunescu, M. A., Pavi?!? ?Ari, J., Pereira, F., Pereira, E., Pereira, L., Perry, C., Petri, A., Petrovic, U., Pica, S., Pinheiro, F., Pinto, J., Pinto, F., Piwowarczyk, P., Platteau, S., Poeira, R., Popescu, R., Popica, G., Poredos, P., Prasser, C., Preckel, B., Prospiech, A., Pujol, R., Raimundo, A., Raineri, S. M., Rakic, D., Ramadan, M., Ramazano?Lu, A., Rantis, A., Raquel, F., Rätsep, I., Real, C., Reikvam, T., Reis, L., Rigal, J. C., Rohner, A., Rokk, A., Roman Fernandez, A., Rosenberger, P., Rossaint, R., Rozec, B., Rudolph, T., Saeed, Y., Safonov, S., Saka, E., Samama, C. M., Sánchez López, Ó, Sanchez Perez, D., Sanchez Sanchez, Y. E., Sandeep, V., Sandu, M. N., Sanl, S., Saraiva, A., Scarlatescu, E., Schiraldi, R., Schitteck, G., Schnitter, B., Schuster,

M., Seco, C., Selvi, O., Senard, M., Serra, S., Serrano, H., Shmigelsky, A., Silva, L., Simeson, K., Singh, R., Sipylaite, J., Skitek, K., Skok, I., Smékalová, O., Smirnova, N., Sofia, M., Soler Pedrola, M., Söndergaard, S., Sörmus, A., Sørvoll, I. H., Soumelidis, C., Spindler Yesel, A., Stefan, M., Stevanovic, A., Stevikova, J., Stivan, S., Toura, P., Striteska, J., Stryls, L., Suljevic, I., Tania, M., Tareco, G., Tena, B., Theodoraki, K., Tifrea, M., Tikuisis, R., Tolós, R., Tomasi, R., Tomescu, D., Tomkute, G., Tormos, P., Trepenaitis, D., Troyan, G., Unic-Stojanovic, D., Unterrainer, A., Uranjek, J., Valsamidis, D., Van Dasselaar, N., Van Limmen, J., Van Noord, P., Van Poorten, J. F., Vanderlaenen, M., Varela Garcia, O., Velasco, A., Veljovic, M., Vera Bella, J., Vercauteren, M., Verdouw, B., Verenkin, V., Veselovsky, T., Vieira, H., Villar, T., Visnja, I., Voje, M., Von Dossow-Hanfstingl, V., Von Langen, D., Vorotyntsev, S., Vujanovi, V., Vukovic, R., Watt, P., Werner, E., Wernerman, J., Wittmann, M., Wright, M., Wunder, C., Wyffels, P., Yakymenko, Y., Y?Ld?R?M, Ç, Y?Lmaz, H., Zacharowski, K., Záhorec, R., Zarif, M., Zielinska-Skitek, E., Zsisku, L.

Intraoperative transfusion practices in Europe.

Br J Anaesth 2016; 116:255-261

Melnik, B. C., John, S. M., Carrera-Bastos, P., Schmitz, G.

Milk: a postnatal imprinting system stabilizing FoxP3 expression and regulatory T cell differentiation.

Clin Transl Allergy 2016; 6:18

Melnik, B. C., John, S. M., Schmitz, G.

Milk: An epigenetic inducer of FoxP3 expression.

J Allergy Clin Immunol 2016; 138:937-938

Melnik, B. C., Kakulas, F., Geddes, D. T., Hartmann, P. E., John, S. M., Carrera-Bastos, P., Cordain, L., Schmitz, G.

Milk miRNAs: simple nutrients or systemic functional regulators?

Nutr Metab (Lond) 2016; 13:42

Neumann, M., Meier, E. M., Rein-Fischboeck, L., Krautbauer, S., Eisinger, K., Aslanidis, C., Pohl, R., Weiss, T. S., Buechler, C.

Chemokine-Like Receptor 1 mRNA Weakly Correlates with Non-Alcoholic Steatohepatitis Score in Male but Not Female Individuals.

Int J Mol Sci 2016; 17

Pataj, Z., Liebisch, G., Schmitz, G., Matysik, S.

Quantification of oxysterols in human plasma and red blood cells by liquid chromatography high-resolution tandem mass spectrometry.

J Chromatogr A 2016; 1439:82-88

Pink, M., Ratsch, B. A., Mardahl, M., Durek, P., Polansky, J. K., Karl, M., Baumgrass, R., Wallner, S., Cadenas, C., Gianmoena, K., Floess, S., Chen, W., Nordstroem, K., Tierling, S., Olek, S., Walter, J., Hamann, A., Syrbe, U.

Imprinting of Skin/Inflammation Homing in CD4+ T Cells Is Controlled by DNA Methylation within the Fucosyltransferase 7 Gene.

J Immunol 2016; 197:3406-3414

Schmid, A., Neumann, H., Karrasch, T., Liebisch, G., Schäffler, A.

Bile Acid Metabolome after an Oral Lipid Tolerance Test by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS).

PLoS ONE 2016; 11:e0148869

Soronen, J., Yki-Järvinen, H., Zhou, Y., Sädevirta, S., Sarin, A. P., Leivonen, M., Sevastianova, K., Perttilä, J., Laurila, P. P., Sigruener, A., Schmitz, G., Olkkonen, V. M.
Novel hepatic microRNAs upregulated in human nonalcoholic fatty liver disease.
Physiol Rep 2016; 4

Stunnenberg, H. G., International Human Epigenome Consortium, Hirst, M., Abrignani, S., Adams, D., De Almeida, M., Altucci, L., Amin, V., Amit, I., Antonarakis, S. E., Aparicio, S., Arima, T., Arrighoni, L., Arts, R., Asnafi, V., Esteller, M., Bae, J. B., Bassler, K., Beck, S., Berkman, B., Bernstein, B. E., Bilenky, M., Bird, A., Bock, C., Boehm, B., Bourque, G., Breeze, C. E., Brors, B., Bujold, D., Burren, O., Bussemakers, M. J., Butterworth, A., Campo, E., Carrillo-De-Santa-Pau, E., Chadwick, L., Chan, K. M., Chen, W., Cheung, T. H., Chiapperino, L., Choi, N. H., Chung, H. R., Clarke, L., Connors, J. M., Cronet, P., Danesh, J., Dermitzakis, M., Drewes, G., Durek, P., Dyke, S., Dylag, T., Eaves, C. J., Ebert, P., Eils, R., Eils, J., Ennis, C. A., Enver, T., Feingold, E. A., Felder, B., Ferguson-Smith, A., Fitzgibbon, J., Flicek, P., Foo, R. S., Fraser, P., Frontini, M., Furlong, E., Gakkhar, S., Gasparoni, N., Gasparoni, G., Geschwind, D. H., Gla?Ar, P., Graf, T., Grosveld, F., Guan, X. Y., Guigo, R., Gut, I. G., Hamann, A., Han, B. G., Harris, R. A., Heath, S., Helin, K., Hengstler, J. G., Heravi-Moussavi, A., Herrup, K., Hill, S., Hilton, J. A., Hitz, B. C., Horsthemke, B., Hu, M., Hwang, J. Y., Ip, N. Y., Ito, T., Javierre, B. M., Jenko, S., Jenuwein, T., Joly, Y., Jones, S. J., Kanai, Y., Kang, H. G., Karsan, A., Kiemer, A. K., Kim, S. C., Kim, B. J., Kim, H. H., Kimura, H., Kinkley, S., Klironomos, F., Koh, I. U., Kostadima, M., Kressler, C., Kreuzhuber, R., Kundaje, A., Küppers, R., Larabell, C., Lasko, P., Lathrop, M., Lee, D. H., Lee, S., Lehrach, H., Leitão, E., Lengauer, T., Lernmark, Å, Leslie, R. D., Leung, G. K., Leung, D., Loeffler, M., Ma, Y., Mai, A., Manke, T., Marcotte, E. R., Marra, M. A., Martens, J. H., Martin-Subero, J. I., Maschke, K., Merten, C., Milosavljevic, A., Minucci, S., Mitsuyama, T., Moore, R. A., Müller, F., Mungall, A. J., Netea, M. G., Nordström, K., Norstedt, I., Okae, H., Onuchic, V., Ouellette, F., Ouwehand, W., Pagani, M., Pancaldi, V., Pap, T., Pastinen, T., Patel, R., Paul, D. S., Pazin, M. J., Pelicci, P. G., Phillips, A. G., Polansky, J., Porse, B., Pospisilik, J. A., Prabhakar, S., Procaccini, D. C., Radbruch, A., Rajewsky, N., Rakyen, V., Reik, W., Ren, B., Richardson, D., Richter, A., Rico, D., Roberts, D. J., Rosenstiel, P., Rothstein, M., Salhab, A., Sasaki, H., Satterlee, J. S., Sauer, S., Schacht, C., Schmidt, F., Schmitz, G., Schreiber, S., Schröder, C., Schübeler, D., Schultze, J. L., Schulyer, R. P., Schulz, M., Seifert, M., Shirahige, K., Siebert, R., Sierocinski, T., Siminoff, L., Sinha, A., Soranzo, N., Spicuglia, S., Spivakov, M., Steidl, C., Stratton, J. S., Stratton, M., Südbek, P., Sun, H., Suzuki, N., Suzuki, Y., Tanay, A., Torrents, D., Tyson, F. L., Ulas, T., Ullrich, S., Ushijima, T., Valencia, A., Vellenga, E., Vingron, M., Wallace, C., Wallner, S., Walter, J., Wang, H., Weber, S., Weiler, N., Weller, A., Weng, A., Wilder, S., Wiseman, S. M., Wu, A. R., Wu, Z., Xiong, J., Yamashita, Y., Yang, X., Yap, D. Y., Yip, K. Y., Yip, S., Yoo, J. I., Zerbino, D., Zipprich, G.
The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery.
Cell 2016; 167:1145-1149

Teumer, A., Qi, Q., Nethander, M., Aschard, H., Bandinelli, S., Beekman, M., Berndt, S. I., Bidlingmaier, M., Broer, L., Group, Charge Longevity Working, Cappola, A., Ceda, G. P., Chanock, S., Chen, M. H., Chen, T. C., Chen, Y. D., Chung, J., Del Greco Miglianico, F., Eriksson, J., Ferrucci, L., Friedrich, N., Gnewuch, C., Goodarzi, M. O., Grarup, N., Guo, T., Hammer, E., Hayes, R. B., Hicks, A. A., Hofman, A., Houwing-Duistermaat, J. J., Hu, F., Hunter, D. J., Husemoen, L. L., Isaacs, A., Jacobs, K. B., Janssen, J. A., Jansson, J. O., Jehmlich, N., Johnson, S., Juul, A., Karlsson, M., Kilpelainen, T. O., Kovacs, P., Kraft, P., Li, C., Linneberg, A., Liu, Y., Loos, R. J., Body Composition Genetics Consortium, Lorentzon, M., Lu, Y., Maggio, M., Magi, R., Meigs, J., Mellström, D., Nauck, M., Newman, A. B., Pollak, M. N., Pramstaller, P. P., Prokopenko, I., Psaty, B. M., Reincke, M., Rimm, E. B., Rotter, J. I., Saint Pierre, A., Schurmann, C., Seshadri, S., Sjögren, K., Slagboom, P. E., Strickler, H. D., Stumvoll, M., Suh, Y., Sun, Q., Zhang, C., Svensson, J., Tanaka, T., Tare, A., Tönjes, A., Uh, H. W., Van Duijn, C. M., Van Heemst, D., Vandenput, L., Vasani, R. S., Völker, U., Willems, S. M., Ohlsson, C., Wallaschofski, H., Kaplan, R. C.

Genomewide meta-analysis identifies loci associated with IGF-I and IGFBP-3 levels with impact on age-related traits.
Aging Cell 2016; 15:811-824

Vianello, E., Dozio, E., Arnaboldi, F., Marazzi, M. G., Martinelli, C., Lamont, J., Tacchini, L., Sigrüner, A., Schmitz, G., Corsi Romanelli, M. M.
Epicardial adipocyte hypertrophy: Association with M1-polarization and toll-like receptor pathways in coronary artery disease patients.
Nutr Metab Cardiovasc Dis 2016; 26:246-253

Vijayakumar, V., Liebisch, G., Buer, B., Xue, L., Gerlach, N., Blau, S., Schmitz, J., Bucher, M.
Integrated multi-omics analysis supports role of lysophosphatidylcholine and related glycerophospholipids in the Lotus japonicus-Glomus intraradices mycorrhizal symbiosis.
Plant Cell Environ 2016; 39:393-415

Wallner, S., Grandl, M., Liebisch, G., Peer, M., Orsó, E., Sigrüner, A., Sobota, A., Schmitz, G.
oxLDL and eLDL Induced Membrane Microdomains in Human Macrophages.
PLoS ONE 2016; 11:e0166798

Wallner, S., Schröder, C., Leitão, E., Berulava, T., Haak, C., Beißer, D., Rahmann, S., Richter, A. S., Manke, T., Bönisch, U., Arrigoni, L., Fröhler, S., Klironomos, F., Chen, W., Rajewsky, N., Müller, F., Ebert, P., Lengauer, T., Barann, M., Rosenstiel, P., Gasparoni, G., Nordström, K., Walter, J., Brors, B., Zipprich, G., Felder, B., Klein-Hitpass, L., Attenberger, C., Schmitz, G., Horsthemke, B.
Epigenetic dynamics of monocyte-to-macrophage differentiation.
Epigenetics Chromatin 2016; 9:33

Wittmann, T., Frixel, S., Höppner, S., Schindlbeck, U., Schams, A., Kappler, M. V., Hegermann, J., Wrede, C., Liebisch, G., Vierzig, A., Zacharasiewicz, A., Kopp, M., Poets, C. F., Baden, W., Hartl, D., Van Kaam, A. H., Lohse, P., Aslanidis, C., Zarbock, R., Griese, M.
Increased risk of interstitial lung disease in children with a single R288K variant of ABCA3.
Mol Med 2016;

Wittmann, T., Schindlbeck, U., Höppner, S., Kinting, S., Frixel, S., Kröner, C., Liebisch, G., Hegermann, J., Aslanidis, C., Brasch, F., Reu, S., Lasch, P., Zarbock, R., Griese, M.
Tools to explore ABCA3 mutations causing interstitial lung disease.
Pediatr Pulmonol 2016; 51:1284-1294

Wonner, R., Wallner, S., Orsó, E., Schmitz, G.
Effects of acute exercise on monocyte subpopulations in metabolic syndrome patients.
Cytometry B Clin Cytom 2016;

Zeller, J., Strack, C., Fenk, S., Mohr, M., Loew, T., Schmitz, G., Maier, L., Fischer, M., Baessler, A.
Relation Between Obesity, Metabolic Syndrome, Successful Long-Term Weight Reduction, and Right Ventricular Function.
Int Heart J 2016; 57:441-448

2015

Beck, C., Pérez-Álvarez, J. C., Siguener, A., Haubner, F., Seidler, T., Aslanidis, C., Strutz, J., Schmitz, G.

- Identification and genotype/phenotype correlation of mutations in a large German cohort with hearing loss.
Eur Arch Otorhinolaryngol 2015; 272:2765-2776
- Black, A., Pienimaeki-Roemer, A., Kenyon, O., Orsó, E., Schmitz, G.
Platelet-derived extracellular vesicles in plateletpheresis concentrates as a quality control approach.
Transfusion 2015; 55:2184-2196
- Dannhausen, K., Karlstetter, M., Caramoy, A., Volz, C., Jäggle, H., Liebisch, G., Utermöhlen, O., Langmann, T.
Acid sphingomyelinase (aSMase) deficiency leads to abnormal microglia behavior and disturbed retinal function.
Biochem Biophys Res Commun 2015; 464:434-440
- Dozio, E., Briganti, S., Vianello, E., Dogliotti, G., Barassi, A., Malavazos, A. E., Ermetici, F., Morricone, L., Sigrüener, A., Schmitz, G., Corsi Romanelli, M. M.
Epicardial adipose tissue inflammation is related to vitamin D deficiency in patients affected by coronary artery disease.
Nutr Metab Cardiovasc Dis 2015; 25:267-273
- El-Najjar, N., Orsó, E., Wallner, S., Liebisch, G., Schmitz, G.
Increased Levels of Sphingosylphosphorylcholine (SPC) in Plasma of Metabolic Syndrome Patients.
PLoS ONE 2015; 10:e0140683
- Fenk, S., Fischer, M., Strack, C., Schmitz, G., Loew, T., Lahmann, C., Baessler, A.
Successful weight reduction improves left ventricular diastolic function and physical performance in severe obesity.
Int Heart J 2015; 56:196-202
- Griese, M., Kirmeier, H. G., Liebisch, G., Rauch, D., Stückler, F., Schmitz, G., Zarbock, R., Kids-Lung-Register, Ild-Bal working group of the.
Surfactant lipidomics in healthy children and childhood interstitial lung disease.
PLoS ONE 2015; 10:e0117985
- Haubner, F., Muschter, D., Schuster, N., Pohl, F., Ahrens, N., Prantl, L., Gassner, H. G.
Platelet-rich plasma stimulates dermal microvascular endothelial cells and adipose derived stem cells after external radiation.
Clin Hemorheol Microcirc 2015; 61:279-290
- Hebel, T., Eisinger, K., Neumeier, M., Rein-Fischboeck, L., Pohl, R., Meier, E. M., Boettcher, A., Froehner, S. C., Adams, M. E., Liebisch, G., Krautbauer, S., Buechler, C.
Lipid abnormalities in alpha/beta2-syntrophin null mice are independent from ABCA1.
Biochim Biophys Acta 2015; 1851:527-536
- Kosinska, M. K., Ludwig, T. E., Liebisch, G., Zhang, R., Siebert, H. C., Wilhelm, J., Kaesser, U., Dettmeyer, R. B., Klein, H., Ishaque, B., Rickert, M., Schmitz, G., Schmidt, T. A., Steinmeyer, J.
Articular Joint Lubricants during Osteoarthritis and Rheumatoid Arthritis Display Altered Levels and Molecular Species.
PLoS ONE 2015; 10:e0125192
- Liebisch, G., Ejsing, C. S., Ekroos, K.

- Identification and Annotation of Lipid Species in Metabolomics Studies Need Improvement.
Clin Chem 2015; 61:1542-1544
- Liebisch, G., Matysik, S.
Accurate and reliable quantification of 25-hydroxy-vitamin D species by liquid chromatography high-resolution tandem mass spectrometry.
J Lipid Res 2015; 56:1234-1239
- Matysik, S., Schmitz, G.
Determination of steroid hormones in human plasma by GC-triple quadrupole MS.
Steroids 2015; 99:151-154
- Melnik, B. C., John, S., Schmitz, G.
Milk consumption during pregnancy increases birth weight, a risk factor for the development of diseases of civilization.
J Transl Med 2015; 13:13
- Orsó, E., Matysik, S., Grandl, M., Liebisch, G., Schmitz, G.
Human native, enzymatically modified and oxidized low density lipoproteins show different lipidomic pattern.
Biochim Biophys Acta 2015; 1851:299-306
- Padrissa-Altés, S., Bachofner, M., Bogorad, R. L., Pohlmeier, L., Rossolini, T., Böhm, F., Liebisch, G., Hellerbrand, C., Koteliansky, V., Speicher, T., Werner, S.
Control of hepatocyte proliferation and survival by Fgf receptors is essential for liver regeneration in mice.
Gut 2015; 64:1444-1453
- Pathil, A., Liebisch, G., Okun, J. G., Chamulitrat, W., Schmitz, G., Stremmel, W.
Ursodeoxycholy Lysophosphatidylethanolamide modifies aberrant lipid profiles in NAFLD.
Eur J Clin Invest 2015; 45:925-931
- Pienimaeki-Roemer, A., Kuhlmann, K., Böttcher, A., Konovalova, T., Black, A., Orsó, E., Liebisch, G., Ahrens, M., Eisenacher, M., Meyer, H. E., Schmitz, G.
Lipidomic and proteomic characterization of platelet extracellular vesicle subfractions from senescent platelets.
Transfusion 2015; 55:507-521
- Polus, A., Kiec-Wilk, B., Razny, U., Gielicz, A., Schmitz, G., Dembinska-Kiec, A.
Influence of dietary fatty acids on differentiation of human stromal vascular fraction preadipocytes.
Biochim Biophys Acta 2015; 1851:1146-1155
- Reichel, M., Höning, S., Liebisch, G., Lüth, A., Kleuser, B., Gulbins, E., Schmitz, G., Kornhuber, J.
Alterations of plasma glycerophospholipid and sphingolipid species in male alcohol-dependent patients.
Biochim Biophys Acta 2015; 1851:1501-1510
- Robinson, M. W., Aranday-Cortes, E., Gatherer, D., Swann, R., Liefhebber, J. M., Filipe, Ada S., Sigrüener, A., Barclay, S. T., Mills, P. R., Patel, A. H., Mclauchlan, J.
Viral genotype correlates with distinct liver gene transcription signatures in chronic hepatitis C virus infection.

Liver Int 2015; 35:2256-2264

- Robinson, M. W., Swann, R., Siguener, A., Barclay, S. T., Mills, P. R., Mclauchlan, J., Patel, A. H.
Elevated interferon-stimulated gene transcription in peripheral blood mononuclear cells occurs in patients infected with genotype 1 but not genotype 3 hepatitis C virus.
J Viral Hepat 2015; 22:384-390
- Sbiera, S., Leich, E., Liebisch, G., Sbiera, I., Schirbel, A., Wiemer, L., Matysik, S., Eckhardt, C., Gardill, F., Gehl, A., Kendl, S., Weigand, I., Bala, M., Ronchi, C. L., Deutschbein, T., Schmitz, G., Rosenwald, A., Allolio, B., Fassnacht, M., Kroiss, M.
Mitotane Inhibits Sterol-O-Acyl Transferase 1 Triggering Lipid-Mediated Endoplasmic Reticulum Stress and Apoptosis in Adrenocortical Carcinoma Cells.
Endocrinology 2015; 156:3895-3908
- Schmitz, G., Orsó, E.
Lipoprotein(a) hyperlipidemia as cardiovascular risk factor: pathophysiological aspects.
Clin Res Cardiol Suppl 2015; 10:21-25
- Seeßle, J., Liebisch, G., Schmitz, G., Stremmel, W., Chamulitrat, W.
Palmitate activation by fatty acid transport protein 4 as a model system for hepatocellular apoptosis and steatosis.
Biochim Biophys Acta 2015; 1851:549-565
- Soeder, Y., Loss, M., Johnson, C. L., Hutchinson, J. A., Haarer, J., Ahrens, N., Offner, R., Deans, R. J., Van Bokkelen, G., Geissler, E. K., Schlitt, H. J., Dahlke, M. H.
First-in-Human Case Study: Multipotent Adult Progenitor Cells for Immunomodulation After Liver Transplantation.
Stem Cells Transl Med 2015; 4:899-904
- Specht, H. M., Ahrens, N., Blankenstein, C., Duell, T., Fietkau, R., Gaipl, U. S., Günther, C., Gunther, S., Habl, G., Hautmann, H., Hautmann, M., Huber, R. M., Molls, M., Offner, R., Rödel, C., Rödel, F., Schütz, M., Combs, S. E., Multhoff, G.
Heat Shock Protein 70 (Hsp70) Peptide Activated Natural Killer (NK) Cells for the Treatment of Patients with Non-Small Cell Lung Cancer (NSCLC) after Radiochemotherapy (RCTx) - From Preclinical Studies to a Clinical Phase II Trial.
Front Immunol 2015; 6:162
- Steinke, T., Moritz, S., Beck, S., Gnewuch, C., Kees, M. G.
Estimation of creatinine clearance using plasma creatinine or cystatin C: a secondary analysis of two pharmacokinetic studies in surgical ICU patients.
BMC Anesthesiol 2015; 15:62
- Zarbock, R., Kaltenborn, E., Frixel, S., Wittmann, T., Liebisch, G., Schmitz, G., Griese, M.
ABCA3 protects alveolar epithelial cells against free cholesterol induced cell death.
Biochim Biophys Acta 2015; 1851:987-995

2014

- Almlöf, J. C., Lundmark, P., Lundmark, A., Ge, B., Pastinen, T., Cardiogenics, Consortium, Goodall, A. H., Cambien, F., Deloukas, P., Ouwehand, W. H., Syvänen, A. C., Schunkert, H., Attwood, T., Belz, S., Braund, P., Brocheton, J., Cooper, J., Crisp-Hihn, A., Diemert, P., Erdmann, J., Foad, N., Godefroy, T., Gracey, J., Gray, E., Gwilliams, R., Heimerl, S., Hengstenberg, C., Jolley, J., Krishnan, U., Lloyd-Jones, H., Liljedahl, U., Lugauer, I., Maouche, S., Moore, J. S., Montalescot, G., Muir, D., Murray, E., Nelson, C. P., Neudert, J., Niblett, D., O'leary, K., Pollard, H., Proust, C., Rankin, A., Rendon, A., Rice, C. M., Sager, H., Samani, N. J., Sambrook, J., Schunkert, H., Schmitz, G., Scholz, M., Schroeder, L., Stephens, J., Tennstedt, S., Wallace, C.
Single nucleotide polymorphisms with cis-regulatory effects on long non-coding transcripts in human primary monocytes.
PLoS ONE 2014; 9:e102612
- Baessler, A., Lamounier-Zepter, V., Fenk, S., Strack, C., Lahmann, C., Loew, T., Schmitz, G., Blüher, M., Bornstein, S. R., Fischer, M.
Adipocyte fatty acid-binding protein levels are associated with left ventricular diastolic dysfunction in morbidly obese subjects.
Nutr Diabetes 2014; 4:e106
- Boero, C., Casulli, M. A., Olivo, J., Foglia, L., Orso, E., Mazza, M., Carrara, S., De Micheli, G.
Design, development, and validation of an in-situ biosensor array for metabolite monitoring of cell cultures.
Biosens Bioelectron 2014; 61:251-259
- Broichhausen, C., Riquelme, P., Ahrens, N., Wege, A. K., Koehl, G. E., Schlitt, H. J., Banas, B., Fändrich, F., Geissler, E. K., Hutchinson, J. A.
In question: the scientific value of preclinical safety pharmacology and toxicology studies with cell-based therapies.
Mol Ther Methods Clin Dev 2014; 1:14026
- Campo, I., Zorzetto, M., Mariani, F., Kadija, Z., Morbini, P., Dore, R., Kaltenborn, E., Frixel, S., Zarbock, R., Liebisch, G., Hegermann, J., Wrede, C., Griese, M., Luisetti, M.
A large kindred of pulmonary fibrosis associated with a novel ABCA3 gene variant.
Respir Res 2014; 15:43
- Dozio, E., Malavazos, A. E., Vianello, E., Briganti, S., Dogliotti, G., Bandera, F., Giacomazzi, F., Castelvechchio, S., Menicanti, L., Sigrüener, A., Schmitz, G., Corsi Romanelli, M. M.
Interleukin-15 and soluble interleukin-15 receptor ? in coronary artery disease patients: association with epicardial fat and indices of adipose tissue distribution.
PLoS ONE 2014; 9:e90960
- Dozio, E., Vianello, E., Briganti, S., Fink, B., Malavazos, A. E., Scognamiglio, E. T., Dogliotti, G., Sigrüener, A., Schmitz, G., Corsi Romanelli, M. M.
Increased reactive oxygen species production in epicardial adipose tissues from coronary artery disease patients is associated with brown-to-white adipocyte trans-differentiation.
Int J Cardiol 2014; 174:413-414
- Dozsa, A., Dezso, B., Toth, B. I., Bacsi, A., Poliska, S., Camera, E., Picardo, M., Zouboulis, C. C., Bíró, T., Schmitz, G., Liebisch, G., Rühl, R., Remenyik, E., Nagy, L.
PPAR?-mediated and arachidonic acid-dependent signaling is involved in differentiation and lipid production of human sebocytes.
J Invest Dermatol 2014; 134:910-920

- Ecker, J., Liebisch, G.
Application of stable isotopes to investigate the metabolism of fatty acids, glycerophospholipid and sphingolipid species.
Prog Lipid Res 2014; 54C:14-31
- Eisinger, K., Krautbauer, S., Hebel, T., Schmitz, G., Aslanidis, C., Liebisch, G., Buechler, C.
Lipidomic analysis of the liver from high-fat diet induced obese mice identifies changes in multiple lipid classes.
Exp Mol Pathol 2014; 97:37-43
- Eisinger, K., Liebisch, G., Schmitz, G., Aslanidis, C., Krautbauer, S., Buechler, C.
Lipidomic analysis of serum from high fat diet induced obese mice.
Int J Mol Sci 2014; 15:2991-3002
- El Magraoui, F., Eisenacher, M., Schrötter, A., Kuhlmann, K., Heinsen, H., Andrén, P., Nilsson, P., Häggmark, A., Schmitz, G., Verhaert, P., Borchers, C., Yoo, J. S., Lee, B. H., Meyer, H. E., Grinberg, L. T.
Developing New Methods to Answer Old and New Questions in Neurodegenerative Diseases: 21(st) Workshop of the HUPO Brain Proteome Project (HBPP) 23-24 January 2014, Honolulu, Hawaii.
Proteomics 2014; 14:1308-1310
- Georgieva, I. A., Mauerer, A., Groesser, L., Herschberger, E., Aslanidis, C., Dietmaier, W., Landthaler, M., Hafner, C.
Low incidence of oncogenic EGFR, HRAS, and KRAS mutations in seborrheic keratosis.
Am J Dermatopathol 2014; 36:635-642
- Heimerl, S., Fischer, M., Baessler, A., Liebisch, G., Siguener, A., Wallner, S., Schmitz, G.
Alterations of plasma lysophosphatidylcholine species in obesity and weight loss.
PLoS ONE 2014; 9:e111348
- Hewitt, P. G., Singh, P. K., Kumar, A., Gnewuch, C., Liebisch, G., Schmitz, G., Borlak, J.
A rat toxicogenomics study with the calcium sensitizer EMD82571 reveals a pleiotropic cause of teratogenicity.
Reprod Toxicol 2014; 47:89-101
- Hutchinson, J. A., Ahrens, N., Riquelme, P., Walter, L., Gruber, M., Böger, C. A., Farkas, S., Scherer, M. N., Broichhausen, C., Bein, T., Schlitt, H. J., Fändrich, F., Banas, B., Geissler, E. K.
Clinical management of patients receiving cell-based immunoregulatory therapy.
Transfusion 2014; 54:2336-2343
- Kopf, T., Schaefer, H. L., Troetzmueller, M., Koefeler, H., Broenstrup, M., Konovalova, T., Schmitz, G.
Influence of fenofibrate treatment on triacylglycerides, diacylglycerides and fatty acids in fructose fed rats.
PLoS ONE 2014; 9:e106849
- Kosinska, M. K., Liebisch, G., Lochnit, G., Wilhelm, J., Klein, H., Kaesser, U., Lasczkowski, G., Rickert, M., Schmitz, G., Steinmeyer, J.
Sphingolipids in human synovial fluid--a lipidomic study.
PLoS ONE 2014; 9:e91769

- Krautbauer, S., Eisinger, K., Neumeier, M., Hader, Y., Buettner, R., Schmid, P. M., Aslanidis, C., Buechler, C.
Free Fatty Acids, Lipopolysaccharide and IL-1 β Induce Adipocyte Manganese Superoxide Dismutase Which Is Increased in Visceral Adipose Tissues of Obese Rodents.
PLoS ONE 2014; 9:e86866
- Leucht, K., Fischbeck, A., Caj, M., Liebisch, G., Hartlieb, E., Benes, P., Fried, M., Humpf, H. U., Rogler, G., Hausmann, M.
Sphingomyelin and phosphatidylcholine contrarily affect the induction of apoptosis in intestinal epithelial cells.
Mol Nutr Food Res 2014; 58:782-798
- Mahavadi, P., Henneke, I., Ruppert, C., Knudsen, L., Venkatesan, S., Liebisch, G., Chambers, R. C., Ochs, M., Schmitz, G., Vancheri, C., Seeger, W., Korfei, M., Guenther, A.
Altered surfactant homeostasis and alveolar epithelial cell stress in amiodarone-induced lung fibrosis.
Toxicol Sci 2014; 142:285-297
- Managh, A. J., Hutchinson, R. W., Riquelme, P., Broichhausen, C., Wege, A. K., Ritter, U., Ahrens, N., Koehl, G. E., Walter, L., Florian, C., Schlitt, H. J., Reid, H. J., Geissler, E. K., Sharp, B. L., Hutchinson, J. A.
Laser ablation-inductively coupled plasma mass spectrometry: an emerging technology for detecting rare cells in tissue sections.
J Immunol 2014; 193:2600-2608
- Matysik, S., Schmitz, G., Bauer, S., Kiermaier, J., Matysik, F. M.
Potential of gas chromatography-atmospheric pressure chemical ionization-time-of-flight mass spectrometry for the determination of sterols in human plasma.
Biochem Biophys Res Commun 2014; 446:751-755
- Melnik, B. C., John, S. M., Schmitz, G.
Milk: an exosomal microRNA transmitter promoting thymic regulatory T cell maturation preventing the development of atopy?
J Transl Med 2014; 12:43
- Melnik, B. C., John, S. M., Schmitz, G.
Adipogenic and insulin resistance- promoting effects of milk consumption.
Mol Nutr Food Res 2014; 58:1166-1167
- Menon, G. K., Orsó, E., Aslanidis, C., Crumrine, D., Schmitz, G., Elias, P. M.
Ultrastructure of skin from Refsum disease with emphasis on epidermal lamellar bodies and stratum corneum barrier lipid organization.
Arch Dermatol Res 2014; 306:731-737
- Orsó, E., Schmitz, G.
Apolipoprotein A-IV in the follicle-associated epithelium: a further piece in the puzzle.
Dig Dis Sci 2014; 59:2609-2610
- Pienimaeki-Roemer, A., Fischer, A., Tafelmeier, M., Orsó, E., Konovalova, T., Böttcher, A., Liebisch, G., Reidel, A., Schmitz, G.
High-density lipoprotein 3 and apolipoprotein A-I alleviate platelet storage lesion and release of platelet extracellular vesicles.

Transfusion 2014; 54:2301-2314

Rademacher, K., Schröder, C., Kanber, D., Klein-Hitpass, L., Wallner, S., Zeschnigk, M., Horsthemke, B.
Evolutionary Origin and Methylation Status of Human Intronic CpG Islands that Are Not Present in
Mouse.

Genome Biol Evol 2014; 6:1579-1588

Renner, O., Harsch, S., Matysik, S., Lütjohann, D., Schmitz, G., Stange, E. F.

Upregulation of hepatic bile acid synthesis via fibroblast growth factor 19 is defective in gallstone
disease but functional in overweight individuals.

United European Gastroenterol J 2014; 2:216-225

Rocanin-Arjo, A., Cohen, W., Carcaillon, L., Frère, C., Saut, N., Letenneur, L., Alhenc-Gelas, M., Dupuy,
A. M., Bertrand, M., Alessi, M. C., Germain, M., Wild, P. S., Zeller, T., Cambien, F., Goodall, A. H.,
Amouyel, P., Scarabin, P. Y., Trégouët, D. A., Morange, P. E., Cardiogenics Consortium, Attwood,
T., Belz, S., Braund, P., Brocheton, J., Cooper, J., Crisp-Hihn, A., Diemert, P., Foad, N., Godefroy, T.,
Gracey, J., Gray, E., Gwilliams, R., Heimerl, S., Jolley, J., Krishnan, U., Lloyd-Jones, H., Liljedahl, U.,
Lugauer, I., Lundmark, P., Maouche, S., Moore, J. S., Montalescot, G., Muir, D., Murray, E., Nelson,
C. P., Neudert, J., Niblett, D., O'leary, K., Pollard, H., Proust, C., Rankin, A., Rendon, A., Rice, C. M.,
Sager, H., Sambrook, J., Schmitz, G., Scholz, M., Schroeder, L., Stephens, J., Syvannen, A. C.,
Tennstedt, S., Wallace, C.

A meta-analysis of genome-wide association studies identifies ORM1 as a novel gene controlling
thrombin generation potential.

Blood 2014; 123:777-785

Sigruener, A., Kleber, M. E., Heimerl, S., Liebisch, G., Schmitz, G., Maerz, W.

Glycerophospholipid and sphingolipid species and mortality: the Ludwigshafen Risk and
Cardiovascular Health (LURIC) study.

PLoS ONE 2014; 9:e85724

Wallner, S., Grandl, M., Konovalova, T., Sigrüner, A., Kopf, T., Peer, M., Orsó, E., Liebisch, G., Schmitz,
G.

Monocyte to Macrophage Differentiation Goes along with Modulation of the Plasmalogen Pattern
through Transcriptional Regulation.

PLoS ONE 2014; 9:e94102

Wanninger, J., Liebisch, G., Eisinger, K., Neumeier, M., Aslanidis, C., Voggenreiter, L., Pohl, R., Weiss,
T. S., Krautbauer, S., Buechler, C.

Adiponectin isoforms differentially affect gene expression and the lipidome of primary human
hepatocytes.

Metabolites 2014; 4:394-407

Weiss, K., Mihály, J., Liebisch, G., Marosvölgyi, T., Garcia, A. L., Schmitz, G., Decsi, T., Rühl, R.

Effect of high versus low doses of fat and vitamin A dietary supplementation on fatty acid
composition of phospholipids in mice.

Genes Nutr 2014; 9:368

Weiss, R., Spittler, A., Schmitz, G., Fischer, M. B., Weber, V.

Thrombocyte adhesion and release of extracellular microvesicles correlate with surface
morphology of adsorbent polymers for lipid apheresis.

Biomacromolecules 2014; 15:2648-2655

Winter, J., Essmann, S., Kidszun, A., Aslanidis, C., Griese, M., Poplawska, K., Bartsch, M., Schmitz, G., Mildenerger, E.
Neonatal respiratory insufficiency caused by an (homozygous) ABCA3-stop mutation: a systematic evaluation of therapeutic options.
Klin Padiatr 2014; 226:53-58

2013

Chamulitrat, W., Liebisch, G., Xu, W., Gan-Schreier, H., Pathil, A., Schmitz, G., Stremmel, W.
Ursodeoxycholyly lysophosphatidylethanolamide inhibits lipoapoptosis by shifting fatty acid pools toward monosaturated and polyunsaturated fatty acids in mouse hepatocytes.
Mol Pharmacol 2013; 84:696-709

Demirkan, A., Isaacs, A., Ugocsai, P., Liebisch, G., Struchalin, M., Rudan, I., Wilson, J. F., Pramstaller, P. P., Gyllensten, U., Campbell, H., Schmitz, G., Oostra, B. A., Van Duijn, C. M.
Plasma phosphatidylcholine and sphingomyelin concentrations are associated with depression and anxiety symptoms in a Dutch family-based lipidomics study.
J Psychiatr Res 2013; 47:357-362

Dharuri, H., Henneman, P., Demirkan, A., Van Klinken, J. B., Mook-Kanamori, D. O., Wang-Sattler, R., Gieger, C., Adamski, J., Hettne, K., Roos, M., Suhre, K., Van Duijn, C. M., Consortia, Eurospan, Van Dijk, K. W., T Hoen, P. A., Demirkan, A., Van Duijn, C. M., Ugocsai, P., Isaacs, A., Pramstaller, P. P., Liebisch, G., Wilson, J. F., Johansson, Å, Rudan, I., Aulchenko, Y. S., Kirichenko, A. V., Janssens, A. C., Jansen, R. C., Gnewuch, C., Domingues, F. S., Pattaro, C., Wild, S. H., Jonasson, I., Polasek, O., Zorkoltseva, I. V., Hofman, A., Karssen, L., Struchalin, M., Floyd, J., Igl, W., Biloglav, Z., Broer, L., Pfeufer, A., Pichler, I., Campbell, S., Zaboli, G., Kolcic, I., Rivadeneira, F., Huffman, J., Hastie, N. D., Uitterlinden, A., Franke, L., Franklin, C. S., Vitart, V., Witteman, J. C., Axenovich, T., Oostra, B. A., Meitinger, T., Hicks, A. A., Hayward, C., Wright, A. F., Gyllensten, U., Campbell, H., Schmitz, G.
Automated workflow-based exploitation of pathway databases provides new insights into genetic associations of metabolite profiles.
BMC Genomics 2013; 14:865

Eisinger, K., Krautbauer, S., Wiest, R., Karrasch, T., Hader, Y., Scherer, M. N., Farkas, S., Aslanidis, C., Buechler, C.
Portal vein omentin is increased in patients with liver cirrhosis but is not associated with complications of portal hypertension.
Eur J Clin Invest 2013; 43:926-932

Garnier, S., Truong, V., Brocheton, J., Zeller, T., Rovital, M., Wild, P. S., Ziegler, A., Cardiogenics, Consortium, Munzel, T., Tiret, L., Blankenberg, S., Deloukas, P., Erdmann, J., Hengstenberg, C., Samani, N. J., Schunkert, H., Ouwehand, W. H., Goodall, A. H., Cambien, F., Trégouët, D. A., Attwood, T., Belz, S., Braund, P., Brocheton, J., Cooper, J., Crisp-Hihn, A., Diemert, P., Foad, N., Godefroy, T., Gracey, J., Gray, E., Gwilliams, R., Heimerl, S., Jolley, J., Krishnan, U., Lloyd-Jones, H., Liljedahl, U., Lugauer, I., Lundmark, P., Maouche, S., Moore, J. S., Montalescot, G., Muir, D., Murray, E., Nelson, C. P., Neudert, J., Niblett, D., Pollard, H., Proust, C., Rankin, A., Rendon, A., Rice, C. M., Sager, H., Sambrook, J., Schmitz, G., Scholz, M., Schroeder, L., Stephens, J., Syvannen, A. C., Tennstedt, S., Wallace, C.
Genome-wide haplotype analysis of cis expression quantitative trait loci in monocytes.
PLoS Genet 2013; 9:e1003240

Gauss, A., Buchholz, I., Zahn, A., Schmitz, G., Stremmel, W., Fuellekrug, J., Ehehalt, R.

- Flotillin-2 expression in the human gut: from a cell model to human tissue in health and inflammatory bowel diseases.
Int J Med Sci 2013; 10:1259-1270
- Hautmann, A. H., Wolff, D., Hahn, J., Edinger, M., Schirmer, N., Ammer, J., Holler, B., Landfried, K., Hautmann, M. G., Ahrens, N., Ugocsai, P., Andreesen, R., Holler, E.
Extracorporeal photopheresis in 62 patients with acute and chronic GVHD: Results of treatment with the COBE Spectra System.
Bone Marrow Transplant 2013; 48:439-445
- Herber-Jonat, S., Mittal, R., Huppmann, M., Hammel, M., Liebisch, G., Yildirim, AÖ, Eickelberg, O., Schmitz, G., Hrabé De Angelis, M., Flemmer, A. W., Holzinger, A.
Abca3 haploinsufficiency is a risk factor for lung injury induced by hyperoxia or mechanical ventilation in a murine model.
Pediatr Res 2013; 74:384-392
- Igl, W., Kamal-Eldin, A., Johansson, A., Liebisch, G., Gnewuch, C., Schmitz, G., Gyllensten, U.
Animal source food intake and association with blood cholesterol, glycerophospholipids and sphingolipids in a northern Swedish population.
Int J Circumpolar Health 2013; 72
- Kopf, T., Schmitz, G.
Analysis of non-esterified fatty acids in human samples by solid-phase-extraction and gas chromatography/mass spectrometry.
J Chromatogr B Analyt Technol Biomed Life Sci 2013; 938:22-26
- Kosinska, M. K., Liebisch, G., Lochnit, G., Wilhelm, J., Klein, H., Kaesser, U., Lasczkowski, G., Rickert, M., Schmitz, G., Steinmeyer, J.
A lipidomic study of phospholipid classes and species in human synovial fluid.
Arthritis Rheum 2013; 65:2323-2333
- Krautbauer, S., Neumeier, M., Eisinger, K., Hader, Y., Dada, A., Schmitz, G., Aslanidis, C., Buechler, C.
LDL but not HDL increases adiponectin release of primary human adipocytes.
Exp Mol Pathol 2013; 95:325-329
- Kurnik, K., Bartsch, I., Maul-Pavicic, A., Ehl, S., Sandrock-Lang, K., Bidlingmaier, C., Rombach, N., Busse, A., Belohradsky, B. H., Müller-Höcker, J., Aslanidis, C., Schmitz, G., Zieger, B.
Novel mutation in Hermansky-Pudlak syndrome type 2 with mild immunological phenotype.
Platelets 2013; 24:538-543
- Liebisch, G., Vizcaíno, J. A., Köfeler, H., Trötz Müller, M., Griffiths, W. J., Schmitz, G., Spener, F., Wakelam, M. J.
Shorthand notation for lipid structures derived from mass spectrometry.
J Lipid Res 2013; 54:1523-1530
- Martin, M. L., Barceló-Coblijn, G., De Almeida, R. F., Noguera-Salvà, M. A., Terés, S., Higuera, M., Liebisch, G., Schmitz, G., Busquets, X., Escribá, P. V.
The role of membrane fatty acid remodeling in the antitumor mechanism of action of 2-hydroxyoleic acid.
BBA - BIOMEMBRANES 2013; 1828:1405-1413
- Martin, M. L., Liebisch, G., Lehneis, S., Schmitz, G., Alonso-Sande, M., Bestard-Escalas, J., Lopez, D. H., García-Verdugo, J. M., Soriano-Navarro, M., Busquets, X., Escribá, P. V., Barceló-Coblijn, G.

Sustained activation of sphingomyelin synthase by 2-hydroxyoleic acid induces sphingolipidosis in tumor cells.
J Lipid Res 2013; 54:1457-1465

Matysik, S., Schmitz, G.

Application of gas chromatography-triple quadrupole mass spectrometry to the determination of sterol components in biological samples in consideration of the ionization mode.
Biochimie 2013; 95:489-495

Melnik, B. C., John, S. M., Schmitz, G.

Milk is not just food but most likely a genetic transfection system activating mTORC1 signaling for postnatal growth.
Nutr J 2013; 12:103

Melnik, B. C., Schmitz, G.

Are therapeutic effects of antiacne agents mediated by activation of FoxO1 and inhibition of mTORC1?
Exp Dermatol 2013; 22:502-504

Melnik, B. C., Schmitz, G., John, S., Carrera-Bastos, P., Lindeberg, S., Cordain, L.

Metabolic effects of milk protein intake strongly depend on pre-existing metabolic and exercise status.
Nutr Metab (Lond) 2013; 10:60

Pienimaeki-Roemer, A., Ruebsaamen, K., Boettcher, A., Orsó, E., Scherer, M., Liebisch, G., Kilalic, D., Ahrens, N., Schmitz, G.

Stored platelets alter glycerophospholipid and sphingolipid species, which are differentially transferred to newly released extracellular vesicles.
Transfusion 2013; 53:612-626

Ramm Sander, P., Peer, M., Grandl, M., Bogdahn, U., Schmitz, G., Kalbitzer, H. R.

NMR spectroscopy of macrophages loaded with native, oxidized or enzymatically degraded lipoproteins.
PLoS ONE 2013; 8:e56360

Schmid, A., Kopp, A., Aslanidis, C., Wabitsch, M., Müller, M., Schäffler, A.

Regulation and function of C1Q/TNF-related protein-5 (CTRP-5) in the context of adipocyte biology.
Exp Clin Endocrinol Diabetes 2013; 121:310-317

Sigruener, A., Tarabin, V., Paragh, G., Liebisch, G., Koehler, T., Farwick, M., Schmitz, G.

Effects of sphingoid bases on the sphingolipidome in early keratinocyte differentiation.
Exp Dermatol 2013; 22:677-679

Vihervaara, T., Käkälä, R., Liebisch, G., Tarasov, K., Schmitz, G., Olkkonen, V. M.

Modification of the lipidome in RAW264.7 macrophage subjected to stable silencing of oxysterol-binding proteins.
Biochimie 2013; 95:538-547

Wanninger, J., Liebisch, G., Schmitz, G., Bauer, S., Eisinger, K., Neumeier, M., Ouchi, N., Walsh, K., Buechler, C.
Lipidomic analysis of the liver identifies changes of major and minor lipid species in adiponectin deficient mice.
Exp Mol Pathol 2013; 94:412-417

2012

Ameur, A., Enroth, S., Johansson, A., Zaboli, G., Igl, W., Johansson, A. C., Rivas, M. A., Daly, M. J., Schmitz, G., Hicks, A. A., Meitinger, T., Feuk, L., Van Duijn, C., Oostra, B., Pramstaller, P. P., Rudan, I., Wright, A. F., Wilson, J. F., Campbell, H., Gyllenstein, U.
Genetic adaptation of Fatty-Acid metabolism: a human-specific haplotype increasing the biosynthesis of long-chain omega-3 and omega-6 Fatty acids.
Am J Hum Genet 2012; 90:809-820

Baessler, A., Strack, C., Rousseva, E., Wagner, F., Bruxmeier, J., Schmiedel, M., Riegger, G., Lahmann, C., Loew, T., Schmitz, G., Fischer, M.
Growth-differentiation factor-15 improves reclassification for the diagnosis of heart failure with normal ejection fraction in morbid obesity.
Eur J Heart Fail 2012; 14:1240-1248

Bauer, S., Eisinger, K., Wiest, R., Karrasch, T., Scherer, M. N., Farkas, S., Aslanidis, C., Buechler, C.
Connective tissue growth factor level is increased in patients with liver cirrhosis but is not associated with complications or extent of liver injury.
Regul Pept 2012; 179:10-14

Börgel, D., Van Den Berg, M., Hüller, T., Andrea, H., Liebisch, G., Boles, E., Schorsch, C., Van Der Pol, R., Arink, A., Boogers, I., Van Der Hoeven, R., Korevaar, K., Farwick, M., Köhler, T., Schaffer, S.
Metabolic engineering of the non-conventional yeast *Pichia ciferrii* for production of rare sphingoid bases.
Metab Eng 2012; 14:412-426

Davison, L. J., Wallace, C., Cooper, J. D., Cope, N. F., Wilson, N. K., Smyth, D. J., Howson, J. M., Saleh, N., Al-Jeffery, A., Angus, K. L., Stevens, H. E., Nutland, S., Duley, S., Coulson, R. M., Walker, N. M., Burren, O. S., Rice, C. M., Cambien, F., Zeller, T., Munzel, T., Lackner, K., Blankenberg, S., Cardiogenics, Consortium, Fraser, P., Gottgens, B., Todd, J. A., Attwood, T., Belz, S., Braund, P., Cambien, F., Cooper, J., Crisp-Hihn, A., Diemert, P., Deloukas, P., Foad, N., Erdmann, J., Goodall, A. H., Gracey, J., Gray, E., Gwilliams, R., Heimerl, S., Hengstenberg, C., Jolley, J., Krishnan, U., Lloyd-Jones, H., Lugauer, I., Lundmark, P., Maouche, S., Moore, J. S., Muir, D., Murray, E., Nelson, C. P., Neudert, J., Niblett, D., O'leary, K., Ouwehand, W. H., Pollard, H., Rankin, A., Rice, C. M., Sager, H., Samani, N. J., Sambrook, J., Schmitz, G., Scholz, M., Schroeder, L., Schunkert, H., Syvannen, A. C., Tennstedt, S., Wallace, C.
Long-range DNA looping and gene expression analyses identify DEXI as an autoimmune disease candidate gene.
Hum Mol Genet 2012; 21:322-333

De Smet, C. H., Vittone, E., Scherer, M., Houweling, M., Liebisch, G., Brouwers, J. F., De Kroon, A. I.
The yeast acyltransferase Sct1p regulates fatty acid desaturation by competing with the desaturase Ole1p.
Mol Biol Cell 2012; 23:1146-1156

Demirkan, A., Van Duijn, C. M., Ugocsai, P., Isaacs, A., Pramstaller, P. P., Liebisch, G., Wilson, J. F., Johansson, A., Rudan, I., Aulchenko, Y. S., Kirichenko, A. V., Janssens, A. C., Jansen, R. C., Gnewuch, C., Domingues, F. S., Pattaro, C., Wild, S. H., Jonasson, I., Polasek, O., Zorkoltseva, I. V., Hofman, A., Karssen, L. C., Struchalin, M., Floyd, J., Igl, W., Biloglav, Z., Broer, L., Pfeufer, A., Pichler, I., Campbell, S., Zaboli, G., Kolcic, I., Rivadeneira, F., Huffman, J., Hastie, N. D., Uitterlinden, A., Franke, L., Franklin, C. S., Vitart, V., Consortium, Diagram, Nelson, C. P., Preuss, M., Consortium, C. ARDIoGRAM, Bis, J. C., O'donnell, C. J., Franceschini, N., Consortium, Charge, Witteman, J. C., Axenovich, T., Oostra, B. A., Meitinger, T., Hicks, A. A., Hayward, C., Wright, A. F., Gyllenstein, U., Campbell, H., Schmitz, G., On Behalf of The, Eurospan consortium.
Genome-Wide Association Study Identifies Novel Loci Associated with Circulating Phospho- and Sphingolipid Concentrations.
PLoS Genet 2012; 8:e1002490

Dozio, E., Dogliotti, G., Malavazos, A. E., Bandera, F., Cassetti, G., Vianello, E., Zelaschi, R., Barassi, A., Pellissero, G., Solimene, U., Morricone, L., Sigrüener, A., Tarabin, V., Schmitz, G., Menicanti, L., Corsi Romanelli, M. M.
IL-18 level in patients undergoing coronary artery bypass grafting surgery or valve replacement: which link with epicardial fat depot?
Int J Immunopathol Pharmacol 2012; 25:1011-1020

Ecker, J., Scherer, M., Schmitz, G., Liebisch, G.
A rapid GC-MS method for quantification of positional and geometric isomers of fatty acid methyl esters.
J Chromatogr B Analyt Technol Biomed Life Sci 2012; 897:98-104

Gassenmaier, T., Buchner, S., Birner, C., Jungbauer, C. G., Resch, M., Debl, K., Endemann, D. H., Riegger, G. A., Lehn, P., Schmitz, G., Luchner, A.
High-sensitive Troponin I in acute cardiac conditions: Implications of baseline and sequential measurements for diagnosis of myocardial infarction.
Atherosclerosis 2012; 222:116-122

Greliche, N., Zeller, T., Wild, P. S., Rotival, M., Schillert, A., Ziegler, A., Deloukas, P., Erdmann, J., Hengstenberg, C., Ouwehand, W. H., Samani, N. J., Schunkert, H., Munzel, T., Lackner, K. J., Cambien, F., Goodall, A. H., Tiret, L., Blankenberg, S., Trégouët, D. A., Cardiogenics, Consortium, Attwood, T., Belz, S., Braund, P., Brocheton, J., Cooper, J., Crisp-Hihn, A., Diemert, P., Foad, N., Godefroy, T., Gracey, J., Gray, E., Gwilliams, R., Heimerl, S., Jolley, J., Krishnan, U., Lloyd-Jones, H., Liljedahl, U., Lugauer, I., Lundmark, P., Maouche, S., Moore, J. S., Montalescot, G., Muir, D., Murray, E., Nelson, C. P., Neudert, J., Niblett, D., O'leary, K., Pollard, H., Proust, C., Rankin, A., Rendon, A., Rice, C. M., Sager, H., Sambrook, J., Schmitz, G., Scholz, M., Schroeder, L., Stephens, J., Syvannen, A. C., Tennstedt, S., Wallace, C.
Comprehensive exploration of the effects of miRNA SNPs on monocyte gene expression.
PLoS ONE 2012; 7:e45863

Hambruch, E., Miyazaki-Anzai, S., Hahn, U., Matsysik, S., Boettcher, A., Perovi-Ottstadt, S., Schlüter, T., Kinzel, O., Krol, H. D., Deuschle, U., Burnet, M., Levi, M., Schmitz, G., Miyazaki, M., Kremoser, C.
Synthetic farnesoid X receptor agonists induce high-density lipoprotein-mediated transhepatic cholesterol efflux in mice and monkeys and prevent atherosclerosis in cholesteryl ester transfer protein transgenic low-density lipoprotein receptor (-/-) mice.
J Pharmacol Exp Ther 2012; 343:556-567

Liebisch, G., Scherer, M.

- Quantification of bioactive sphingo- and glycerophospholipid species by electrospray ionization tandem mass spectrometry in blood.
J Chromatogr B Analyt Technol Biomed Life Sci 2012; 883-884:141-146
- Lindner, C., Sigrüner, A., Walther, F., Bogdahn, U., Couraud, P. O., Schmitz, G., Schlachetzki, F.
 ATP-binding cassette transporters in immortalised human brain microvascular endothelial cells in normal and hypoxic conditions.
Exp Transl Stroke Med 2012; 4:9
- Lorenz, M., Fechner, M., Kalkowski, J., Fröhlich, K., Trautmann, A., Böhm, V., Liebisch, G., Lehneis, S., Schmitz, G., Ludwig, A., Baumann, G., Stangl, K., Stangl, V.
 Effects of lycopene on the initial state of atherosclerosis in New Zealand White (NZW) rabbits.
PLoS ONE 2012; 7:e30808
- Markó, L., Paragh, G., Ugocsai, P., Boettcher, A., Vogt, T., Schling, P., Balogh, A., Tarabin, V., Orsó, E., Wikonkál, N., Mandl, J., Remenyik, E., Schmitz, G.
 Keratinocyte ATP binding cassette transporter expression is regulated by ultraviolet light.
J Photochem Photobiol B 2012; 116:79-88
- Matysik, S., Klünemann, H. H., Schmitz, G.
 Gas chromatography-tandem mass spectrometry method for the simultaneous determination of oxysterols, plant sterols, and cholesterol precursors.
Clin Chem 2012; 58:1557-1564
- Meyer, S. G., Wendt, A. E., Scherer, M., Liebisch, G., Kerkweg, U., Schmitz, G., De Groot, H.
 Myriocin, an inhibitor of serine palmitoyl transferase, impairs the uptake of transferrin and low-density lipoprotein in mammalian cells.
Arch Biochem Biophys 2012; 526:60-68
- Péter, M., Balogh, G., Gombos, I., Liebisch, G., Horváth, I., Török, Z., Nagy, E., Maslyanko, A., Benk, S., Schmitz, G., Harwood, J. L., Vigh, L.
 Nutritional lipid supply can control the heat shock response of B16 melanoma cells in culture.
Mol Membr Biol 2012; 29:274-289
- Ridinger, M., Köhl, P., Gäbele, E., Wodarz, N., Schmitz, G., Kiefer, P., Hellerbrand, C.
 Analysis of carbohydrate deficient transferrin serum levels during abstinence.
Exp Mol Pathol 2012; 92:50-53
- Stewart, J. D., Marchan, R., Lesjak, M. S., Lambert, J., Hergenroeder, R., Ellis, J. K., Lau, C. H., Keun, H. C., Schmitz, G., Schiller, J., Eibisch, M., Hedberg, C., Waldmann, H., Lausch, E., Tanner, B., Sehoul, J., Sagemueller, J., Staude, H., Steiner, E., Hengstler, J. G.
 Choline-releasing glycerophosphodiesterase EDI3 drives tumor cell migration and metastasis.
Proc Natl Acad Sci U S A 2012; 109:8155-8160
- Strack, C., Baessler, A., Wagner, F., Bruxmeier, J., Yaroslavskii, O., Rousseva, E., Loew, T., Riegger, G., Schmitz, G., Fischer, M.
 Mannose-binding lectin in obesity with different degrees of metabolic syndrome abnormalities: association with atherogenic and metabolic traits.
J Atheroscler Thromb 2012; 19:539-551

Zaboli, G., Ameer, A., Igl, W., Johansson, Å, Hayward, C., Vitart, V., Campbell, S., Zgaga, L., Polasek, O., Schmitz, G., Van Duijn, C., Oostra, B., Pramstaller, P., Hicks, A., Meitinger, T., Rudan, I., Wright, A., Wilson, J. F., Campbell, H., Gyllenstein, U., Consortium, Eurospan.
Sequencing of high-complexity DNA pools for identification of nucleotide and structural variants in regions associated with complex traits.
Eur J Hum Genet 2012; 20:77-83

Zarbock, R., Woischnik, M., Sparr, C., Thurm, T., Kern, S., Kaltenborn, E., Hector, A., Hartl, D., Liebisch, G., Schmitz, G., Griese, M.
The surfactant protein C mutation A116D alters cellular processing, stress tolerance, surfactant lipid composition, and immune cell activation.
BMC Pulm Med 2012; 12:15