



## DZD Publications 2022

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- Aboolian, A., S. Urner, M. Roden, J.C. Jha, and K. Jandeleit-Dahm. 2022. Diabetic Kidney Disease: From Pathogenesis to Novel Treatment Possibilities. *Handb Exp Pharmacol.* 274:269-307.
- Aboulmaouahib, B., G. Kastenmuller, K. Suhre, S. Zollner, H. Weissensteiner, C. Prehn, J. Adamski, C. Gieger, R. Wang-Sattler, P. Lichtner, K. Strauch, and A. Flaquer. 2022. First mitochondrial genome-wide association study with metabolomics. *Hum Mol Genet.* 31:3367-3376.
- Achenbach, P., M. Hippich, J. Zapardiel-Gonzalo, B. Karges, R.W. Holl, A. Petrera, E. Bonifacio, A.G. Ziegler, g. DiMelli Study, and D.P.V.S. group. 2022. A classification and regression tree analysis identifies subgroups of childhood type 1 diabetes. *EBioMedicine.* 82:104118.
- Aga, H., G. Soultoukis, M. Stadion, F. Garcia-Carrizo, M. Jahnert, P. Gottmann, H. Vogel, T.J. Schulz, and A. Schurmann. 2022. Distinct Adipogenic and Fibrogenic Differentiation Capacities of Mesenchymal Stromal Cells from Pancreas and White Adipose Tissue. *Int J Mol Sci.* 23.
- Al-Dabet, M.M., K. Shahzad, A. Elwakiel, A. Sulaj, S. Kopf, F. Bock, I. Gadi, S. Zimmermann, R. Rana, S. Krishnan, D. Gupta, J. Manoharan, S. Fatima, S. Nazir, C. Schwab, R. Baber, M. Scholz, R. Geffers, P.R. Mertens, P.P. Nawroth, J.H. Griffin, M. Keller, C. Dockendorff, S. Kohli, and B. Isermann. 2022. Reversal of the renal hyperglycemic memory in diabetic kidney disease by targeting sustained tubular p21 expression. *Nat Commun.* 13:5062.
- Al-Saoudi, E., M.M.B. Christensen, P. Nawroth, T. Fleming, E.E. Hommel, M.E. Jorgensen, J. Fleischer, and C.S. Hansen. 2022. Advanced glycation end-products are associated with diabetic neuropathy in young adults with type 1 diabetes. *Front Endocrinol (Lausanne).* 13:891442.
- Albanese-O'Neill, A., J.M. Grimsman, A.M. Svensson, K.M. Miller, K. Raile, K. Akesson, P. Calhoun, B. Biesenbach, K. Eeg-Olofsson, R.W. Holl, D.M. Maahs, and R. Hanas. 2022. Changes in HbA1c Between 2011 and 2017 in Germany/Austria, Sweden, and the United States: A Lifespan Perspective. *Diabetes Technol Ther.* 24:32-41.
- Altun, I., X. Yan, and S. Ussar. 2022. Immune Cell Regulation of White Adipose Progenitor Cell Fate. *Front Endocrinol (Lausanne).* 13:859044.
- Ansari, S.A., W. Dantoft, J. Ruiz-Orera, A.P. Syed, S. Blachut, S. van Heesch, N. Hubner, and N.H. Uhlenhaut. 2022. Integrative analysis of macrophage ribo-Seq and RNA-Seq data define glucocorticoid receptor regulated inflammatory response genes into distinct regulatory classes. *Comput Struct Biotechnol J.* 20:5622-5638.
- Arshadipour, A., B. Thorand, B. Linkohr, S. Rospleszcz, K.H. Ladwig, M. Heier, and A. Peters. 2022. Impact of prenatal and childhood adversity effects around World War II on multimorbidity: results from the KORA-Age study. *BMC Geriatr.* 22:115.
- Artati, A., C. Prehn, D. Lutter, and K.A. Dyar. 2022. Untargeted and Targeted Circadian Metabolomics Using Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) and Flow Injection-Electrospray Ionization-Tandem Mass Spectrometry (FIA-ESI-MS/MS). *Methods Mol Biol.* 2482:311-327.
- Artunc, F., B.N. Bohnert, J.C. Schneider, T. Staudner, F. Sure, A.V. Ilyaskin, M. Worn, D. Essigke, A. Janessa, N.V. Nielsen, A.L. Birkenfeld, M. Etscheid, S. Haerteis, C. Korbmacher, and S.M. Kanse. 2022. Proteolytic activation of the epithelial sodium channel (ENaC) by factor VII activating protease (FSAP) and its relevance for sodium retention in nephrotic mice. *Pflugers Arch.* 474:217-229.

- Askani, E., S. Rospleszcz, R. Lorbeer, C. Kulka, R. von Kruchten, K. Muller-Peltzer, D. Hasic, E. Kellner, M. Reiser, W. Rathmann, A. Peters, C.L. Schlett, F. Bamberg, and C. Storz. 2022. Association of MRI-based adrenal gland volume and impaired glucose metabolism in a population-based cohort study. *Diabetes Metab Res Rev.* 38:e3528.
- Asplund, O., P. Storm, V. Chandra, G. Hatem, E. Ottosson-Laakso, D. Mansour-Aly, U. Krus, H. Ibrahim, E. Ahlqvist, T. Tuomi, E. Renstrom, O. Korsgren, N. Wierup, M. Ibberson, M. Solimena, P. Marchetti, C. Wollheim, I. Artner, H. Mulder, O. Hansson, T. Otonkoski, L. Groop, and R.B. Prasad. 2022. Islet Gene View-a tool to facilitate islet research. *Life Sci Alliance.* 5.
- Atasoy, S., H. Johar, T. Fleischer, M. Beutel, H. Binder, E. Braehler, G. Schomerus, D. Zoller, J. Kruse, and K.H. Ladwig. 2022a. Depression Mediates the Association Between Childhood Emotional Abuse and the Onset of Type 2 Diabetes: Findings From German Multi-Cohort Prospective Studies. *Front Psychiatry.* 13:825678.
- Atasoy, S., H. Johar, J. Kruse, K. Lukaschek, A. Peters, and K.H. Ladwig. 2022b. The Association of Social Connectivity and Body Weight With the Onset of Type 2 Diabetes: Findings From the Population-Based Prospective MONICA/KORA Cohort. *Psychosom Med.* 84:1050-1055.
- Auzanneau, M., J. Rosenbauer, K. Warncke, W. Maier, C. Kamrath, T. Hofmann, M. Wurm, J. Hammersen, C. Schroder, K. Hake, and R.W. Holl. 2022. Frequency of Ketoacidosis at Diagnosis of Pediatric Type 1 Diabetes Associated With Socioeconomic Deprivation and Urbanization: Results From the German Multicenter DPV Registry. *Diabetes Care.* 45:1807-1813.
- Badpa, M., K. Wolf, A. Schneider, C. Winkler, F. Haupt, A. Peters, and A.G. Ziegler. 2022. Association of long-term environmental exposures in pregnancy and early life with islet autoimmunity development in children in Bavaria, Germany. *Environ Res.* 212:113503.
- Baechle, C., W. Scherler, A. Lang, T. Filla, and O. Kuss. 2022a. Is HbA1c a valid surrogate for mortality in type 2 diabetes? Evidence from a meta-analysis of randomized trials. *Acta Diabetol.* 59:1257-1263.
- Baechle, C., A. Stahl-Pehe, K. Castillo, R.W. Holl, and J. Rosenbauer. 2022b. Family Structure is Associated with Mental Health and Attention Deficit (Hyperactivity) Disorders in Adolescents with Type 1 Diabetes. *Exp Clin Endocrinol Diabetes.* 130:604-613.
- Baechle, C., A. Stahl-Pehe, K. Castillo, K. Lange, R.W. Holl, J. Rosenbauer, and t.D.P.V.s.i.s.b.t.G.C.f.D.R.D.Z.D. In cooperation with the German Pediatric Surveillance Unit Esped. 2022c. Course of screening-based depression in young adults with a long type 1 diabetes duration: Prevalence and transition probabilities - A cohort study. *Diabetes Res Clin Pract.* 185:109220.
- Baechle, C., A. Stahl-Pehe, N. Prinz, T. Meissner, C. Kamrath, R.W. Holl, J. Rosenbauer, t.D.P.V.i. in cooperation with the German Paediatric Surveillance Unit, and R. the German Center for Diabetes. 2022d. Prevalence trends of type 1 and type 2 diabetes in children and adolescents in North Rhine-Westphalia, the most populous federal state in Germany, 2002-2020. *Diabetes Res Clin Pract.* 190:109995.
- Bakhti, M., A. Bastidas-Ponce, S. Tritschler, O. Czarnecki, M. Tarquis-Medina, E. Nedvedova, J. Jaki, S.J. Willmann, K. Scheibner, P. Cota, C. Salinno, K. Boldt, N. Horn, M. Ueffing, I. Burtcher, F.J. Theis, U. Coskun, and H. Lickert. 2022. Synaptotagmin-13 orchestrates pancreatic endocrine cell egression and islet morphogenesis. *Nat Commun.* 13:4540.
- Bakhti, M., and H. Lickert. 2022. New insights into beta-cell failure, regeneration and replacement. *Nat Rev Endocrinol.* 18:79-80.
- Bakker, W., M. Imbernon, C.G. Salinas, D.H. Moro Chao, R. Hassouna, C. Morel, C. Martin, C. Leger, R.G.P. Denis, J. Castel, A. Peter, M. Heni, W. Maetzler, H.S. Nielsen, M. Duquenne, M. Schwaninger, S. Lundh, W.F. Johan Hogendorf, G. Gangarossa, A. Secher, J. Hecksher-Sorensen, T.A. Pedersen, V. Prevot, and S. Luquet. 2022. Acute changes in systemic glycemia gate access and action of GLP-1R agonist on brain structures controlling energy homeostasis. *Cell Rep.* 41:111698.
- Barber, T.M., S. Kabisch, H.S. Randeve, A.F.H. Pfeiffer, and M.O. Weickert. 2022. Implications of Resveratrol in Obesity and Insulin Resistance: A State-of-the-Art Review. *Nutrients.* 14.

- Barbone, G.E., A. Bravin, A. Mittone, A. Pacureanu, G. Mascio, P. Di Pietro, M.J. Kraiger, M. Eckermann, M. Romano, M. Hrabe de Angelis, P. Cloetens, V. Bruno, G. Battaglia, and P. Coan. 2022. X-ray multiscale 3D neuroimaging to quantify cellular aging and neurodegeneration postmortem in a model of Alzheimer's disease. *Eur J Nucl Med Mol Imaging*. 49:4338-4357.
- Bauer, I., F. Schleger, J. Hartkopf, R. Veit, M. Breuer, N. Schneider, J. Pauluschke-Frohlich, A. Peter, H. Preissl, A. Fritsche, and L. Fritsche. 2022. Pre-pregnancy BMI but not mild stress directly influences Interleukin-6 levels and insulin sensitivity during late pregnancy. *Front Biosci (Landmark Ed)*. 27:56.
- Baum Martinez, I., B. Peters, J. Schwarz, B. Schuppelius, N. Steckhan, D.A. Koppold-Liebscher, A. Michalsen, and O. Pivovarov-Ramich. 2022. Validation of a Smartphone Application for the Assessment of Dietary Compliance in an Intermittent Fasting Trial. *Nutrients*. 14.
- Baur, K., Y. Abdullah, C. Mandl, G. Holz-Wenig, Y. Shi, U. Edelkraut, P. Khatri, A.M. Hagenston, M. Irmeler, J. Beckers, and F. Ciccolini. 2022. A novel stem cell type at the basal side of the subventricular zone maintains adult neurogenesis. *EMBO Rep*. 23:e54078.
- Bechmann, N., B. Calsina, S. Richter, and J. Pietzsch. 2022. Therapeutic Potential of Nitric Oxide–Releasing Selective Estrogen Receptor Modulators in Malignant Melanoma. *J Invest Dermatol*. 142:2217-2227.
- Bechmann, N., and G. Eisenhofer. 2022. Hypoxia-inducible Factor 2alpha: A Key Player in Tumorigenesis and Metastasis of Pheochromocytoma and Paraganglioma? *Exp Clin Endocrinol Diabetes*. 130:282-289.
- Bendig, E., A. Schmitt, A. Wittenberg, B. Kulzer, N. Hermanns, M. Moshagen, and H. Baumeister. 2022. ACTonDiabetes: study protocol of a pragmatic randomised controlled trial for the evaluation of an acceptance and commitment-based internet-based and mobile-based intervention for adults living with type 1 or type 2 diabetes. *BMJ Open*. 12:e059336.
- Beran, M., R. Muzambi, A. Geraets, J.R. Albertorio-Diaz, M.C. Adriaanse, M.M. Iversen, A. Kokoszka, G. Nefs, A. Nouwen, F. Pouwer, J.W. Huber, A. Schmitt, M.T. Schram, and C. European Depression in Diabetes Research. 2022. The bidirectional longitudinal association between depressive symptoms and HbA(1c) : A systematic review and meta-analysis. *Diabet Med*. 39:e14671.
- Bhatia, H.S., A.D. Brunner, F. Ozturk, S. Kapoor, Z. Rong, H. Mai, M. Thielert, M. Ali, R. Al-Maskari, J.C. Paetzold, F. Kofler, M.I. Todorov, M. Molbay, Z.I. Kolabas, M. Negwer, L. Hoehner, H. Steinke, A. Dima, B. Gupta, D. Kaltenecker, O.S. Caliskan, D. Brandt, N. Kraemer, S. Muller, S.F. Lichtenthaler, F. Hellal, I. Bechmann, B. Menze, F. Theis, M. Mann, and A. Erturk. 2022. Spatial proteomics in three-dimensional intact specimens. *Cell*. 185:5040-5058 e5019.
- Bierhansl, L., H.P. Hartung, O. Aktas, T. Ruck, M. Roden, and S.G. Meuth. 2022. Thinking outside the box: non-canonical targets in multiple sclerosis. *Nat Rev Drug Discov*. 21:578-600.
- Billeter, A.T., K.M. Scheurlen, B. Israel, B.K. Straub, P. Schirmacher, S. Kopf, P.P. Nawroth, and B.P. Muller-Stich. 2022. Gastric Bypass Resolves Metabolic Dysfunction-Associated Fatty Liver Disease (MAFLD) in Low-BMI Patients: A Prospective Cohort Study. *Ann Surg*. 276:814-821.
- Birkebaek, N.H., C. Kamrath, J.M. Grimsman, K. Aakesson, V. Cherubini, K. Dovc, C. de Beaufort, G.T. Alonso, J.W. Gregory, M. White, T. Skriverhaug, Z. Sumnik, C. Jefferies, T. Hortenhuber, A. Haynes, M. De Bock, J. Svensson, J.T. Warner, O. Gani, R. Gesuita, R. Schiaffini, R. Hanas, A. Rewers, A.J. Eckert, R.W. Holl, and O. Cinek. 2022. Impact of the COVID-19 pandemic on long-term trends in the prevalence of diabetic ketoacidosis at diagnosis of paediatric type 1 diabetes: an international multicentre study based on data from 13 national diabetes registries. *Lancet Diabetes Endocrinol*. 10:786-794.
- Birukov, A., D. Glinborg, M.B. Schulze, T.K. Jensen, O. Kuxhaus, L.B. Andersen, K. Kraker, E. Polemiti, B.L. Jensen, J.S. Jorgensen, R. Dechend, and M.S. Andersen. 2022a. Elevated blood pressure in pregnant women with gestational diabetes according to the WHO criteria: importance of overweight. *J Hypertens*. 40:1614-1623.

- Birukov, A., B. Plavska, F. Eichelmann, O. Kuxhaus, R.A. Hoshi, N. Rudman, T. Stambuk, I. Trbojevic-Akmacic, C. Schiborn, J. Morze, M. Mihelcic, A. Cindric, Y. Liu, O. Demler, M. Perola, S. Mora, M.B. Schulze, G. Lauc, and C. Wittenbecher. 2022b. Immunoglobulin G N-Glycosylation Signatures in Incident Type 2 Diabetes and Cardiovascular Disease. *Diabetes Care*. 45:2729-2736.
- Birukov, A., E. Polemiti, S. Jager, N. Stefan, and M.B. Schulze. 2022c. Fetuin-A and risk of diabetes-related vascular complications: a prospective study. *Cardiovasc Diabetol*. 21:6.
- Bodis, K., B. Knebel, B. Nowotny, P. Bobrov, Y. Kupriyanova, O.P. Zaharia, Y. Karusheva, M. Schon, M. Wolkersdorfer, V. Burkart, H. Al-Hasani, D. Markgraf, K. Mussig, M. Roden, J. Szendroedi, and G.D.S.s. group. 2022. Hepatic energy metabolism in a family with a glucokinase gene mutation and dysglycemia. *Diabetes Res Clin Pract*. 185:109779.
- Bohnert, B.N., R. Lehmann, and F. Artunc. 2022. [79-year-old female patient with nephrotic-range proteinuria]. *Dtsch Med Wochenschr*. 147:377-378.
- Bongaerts, B., B. Kollhorst, O. Kuss, I. Pigeot, and W. Rathmann. 2022. Dispensation Patterns of Glucose-Lowering Drugs in Newly Diagnosed Type 2 Diabetes: Routine Data Analysis of Insurance Claims in Germany. *Exp Clin Endocrinol Diabetes*. 130:587-595.
- Bonhof, G.J., C. Herder, and D. Ziegler. 2022a. Diagnostic Tools, Biomarkers, and Treatments in Diabetic polyneuropathy and Cardiovascular Autonomic Neuropathy. *Curr Diabetes Rev*. 18:e120421192781.
- Bonhof, G.J., G. Sipola, A. Strom, C. Herder, K. Strassburger, B. Knebel, C. Reule, J.C. Wollmann, A. Icks, H. Al-Hasani, M. Roden, O. Kuss, and D. Ziegler. 2022b. BOND study: a randomised double-blind, placebo-controlled trial over 12 months to assess the effects of benfotiamine on morphometric, neurophysiological and clinical measures in patients with type 2 diabetes with symptomatic polyneuropathy. *BMJ Open*. 12:e057142.
- Bonhof, G.J., A. Strom, M. Apostolopoulou, Y. Karusheva, T. Sarabhai, D. Pesta, M. Roden, and D. Ziegler. 2022c. High-intensity interval training for 12 weeks improves cardiovascular autonomic function but not somatosensory nerve function and structure in overweight men with type 2 diabetes. *Diabetologia*. 65:1048-1057.
- Bonner, F., M. Gastl, F. Nienhaus, M. Rothe, A. Jahn, S. Pfeiler, U. Gross, H.P. Schultheiss, B. Ibanez, S. Kozerke, J. Szendroedi, M. Roden, R. Westenfeld, J. Schrader, U. Flogel, G. Heusch, and M. Kelm. 2022. Regional analysis of inflammation and contractile function in reperfused acute myocardial infarction by in vivo (19)F cardiovascular magnetic resonance in pigs. *Basic Res Cardiol*. 117:21.
- Borgmann, S.O., M. Verket, V. Gontscharuk, B. Bucker, S. Arnolds, O. Sporkel, S. Wilm, and A. Icks. 2022. Diabetes-related research priorities of people with type 1 and type 2 diabetes: a cross-sectional study in Germany. *Sci Rep*. 12:20835.
- Bornstein, S.R., B. Ludwig, and C. Steenblock. 2022a. Progress in islet transplantation is more important than ever. *Nat Rev Endocrinol*. 18:389-390.
- Bornstein, S.R., K. Voit-Bak, T. Donate, R.N. Rodionov, R.R. Gainetdinov, S. Tselmin, W. Kanczkowski, G.M. Muller, M. Achleitner, J. Wang, J. Licinio, M. Bauer, A.H. Young, S. Thuret, N. Bechmann, and R. Straube. 2022b. Chronic post-COVID-19 syndrome and chronic fatigue syndrome: Is there a role for extracorporeal apheresis? *Mol Psychiatry*. 27:34-37.
- Bramlage, P., S.R. Tittel, S. Muther, B. Reinhart-Steininger, H. Haberland, S. Khodaverdi, S. Zimny, U. Ohlenschlager, S. Lanzinger, and T. Haak. 2022. A comparison of the rapid-acting insulin analogue glulisine with lispro and aspart for the pump treatment of patients with type 1 diabetes. *Acta Diabetol*. 59:1453-1460.
- Bratina, N., M. Auzanneau, N. Birkebaek, C. de Beaufort, V. Cherubini, M.E. Craig, D. Dabelea, K. Dovc, S.E. Hofer, R.W. Holl, E.T. Jensen, D. Mul, K. Nagl, H. Robinson, U. Schierloh, J. Svensson, V. Tiberi, H.J. Veeze, J.T. Warner, K.C. Donaghue, and t.P.D.F.-u.R.i.D.N.D.R.N.P.D.A.R.M.R.f.D.D.D.S.C. Australasian Diabetes Data Network Study Group. 2022. Differences in retinopathy prevalence and associated risk factors across 11 countries in three continents: A cross-sectional study of 156,090 children and adolescents with type 1 diabetes. *Pediatr Diabetes*. 23:1656-1664.

- Brech, D., A.S. Herbstritt, S. Diederich, T. Straub, E. Kokolakis, M. Irmeler, J. Beckers, F.A. Buttner, E. Schaeffeler, S. Winter, M. Schwab, P.J. Nelson, and E. Noessner. 2022. Dendritic Cells or Macrophages? The Microenvironment of Human Clear Cell Renal Cell Carcinoma Imprints a Mosaic Myeloid Subtype Associated with Patient Survival. *Cells*. 11.
- Brecklinghaus, T., W. Albrecht, J. Duda, F. Kappenberg, L. Grundler, K. Edlund, R. Marchan, A. Ghallab, C. Cadenas, A. Rieck, N. Vartak, L. Tolosa, J.V. Castell, I. Gardner, E. Halilbasic, M. Trauner, A. Ullrich, A. Zeigerer, O. Demirci Turgunbayer, G. Damm, D. Seehofer, J. Rahnenfuhrer, and J.G. Hengstler. 2022. In vitro/in silico prediction of drug induced steatosis in relation to oral doses and blood concentrations by the Nile Red assay. *Toxicol Lett*. 368:33-46.
- Breur, M., P. Ferrari, L. Dossus, M. Jenab, M. Johansson, S. Rinaldi, R.C. Travis, M. His, T.J. Key, J.A. Schmidt, K. Overvad, A. Tjonneland, C. Kyro, J.A. Rothwell, N. Laouali, G. Severi, R. Kaaks, V. Katzke, M.B. Schulze, F. Eichelmann, D. Palli, S. Grioni, S. Panico, R. Tumino, C. Sacerdote, B. Bueno-de-Mesquita, K.S. Olsen, T.M. Sandanger, T.H. Nost, J.R. Quiros, C. Bonet, M.R. Barranco, M.D. Chirlaque, E. Ardanaz, M. Sandsveden, J. Manjer, L. Vidman, M. Rentoft, D. Muller, K. Tsilidis, A.K. Heath, H. Keun, J. Adamski, P. Keski-Rahkonen, A. Scalbert, M.J. Gunter, and V. Viallon. 2022. Pan-cancer analysis of pre-diagnostic blood metabolite concentrations in the European Prospective Investigation into Cancer and Nutrition. *BMC Med*. 20:351.
- Bretschneider, M.P., J. Klasek, M. Karbanova, P. Timpel, S. Herrmann, and P.E.H. Schwarz. 2022. Impact of a Digital Lifestyle Intervention on Diabetes Self-Management: A Pilot Study. *Nutrients*. 14.
- Buchmann, N., T. Ittermann, I. Demuth, M.R.P. Markus, H. Volzke, M. Dorr, N. Friedrich, M.M. Lerch, R.D. Santos, S. Schipf, and E. Steinhagen-Thiessen. 2022. Lipoprotein(a) and Metabolic Syndrome. *Dtsch Arztebl Int*. 119:270-276.
- Buckert, M., M. Hartmann, N. Monzer, K. Wolff, P. Nawroth, T. Fleming, C. Streibel, N. Henningsen, and B. Wild. 2022. Pronounced cortisol response to acute psychosocial stress in type 2 diabetes patients with and without complications. *Horm Behav*. 141:105120.
- Buttner, B.R., S.R. Tittel, C. Kamrath, B. Karges, K. Kostner, A. Melmer, E. Muller-Rossberg, F. Richter, T.R. Rohrer, and R.W. Holl. 2022. Type 1 diabetes mellitus and SARS-CoV-2 in pediatric and adult patients - Data from the DPV network. *J Diabetes*. 14:758-766.
- Caldi Gomes, L., A. Galhoz, G. Jain, A.E. Roser, F. Maass, E. Carboni, E. Barski, C. Lenz, K. Lohmann, C. Klein, M. Bahr, A. Fischer, M.P. Menden, and P. Lingor. 2022. Multi-omic landscaping of human midbrains identifies disease-relevant molecular targets and pathways in advanced-stage Parkinson's disease. *Clin Transl Med*. 12:e692.
- Caliskan, O.S., G. Massacci, N. Krahmer, and F. Sacco. 2022. Phosphoproteomics and Organelle Proteomics in Pancreatic Islets. *Methods Mol Biol*. 2456:123-140.
- Castaneda, A.B., L.E. Petty, M. Scholz, R. Jansen, S. Weiss, X. Zhang, K. Schramm, F. Beutner, H. Kirsten, U. Schminke, S.J. Hwang, C. Marzi, K. Dhana, A. Seldenrijk, K. Krohn, G. Homuth, P. Wolf, M.J. Peters, M. Dorr, A. Peters, J.B.J. van Meurs, A.G. Uitterlinden, M. Kavousi, D. Levy, C. Herder, G. van Grootheest, M. Waldenberger, C. Meisinger, W. Rathmann, J. Thiery, J. Polak, W. Koenig, J. Seissler, J.C. Bis, N. Franceschini, C. Giambartolomei, H. Cohorts for, G. Aging Research in Genomic Epidemiology Subclinical Working, A. Hofman, O.H. Franco, B. Penninx, H. Prokisch, H. Volzke, M. Loeffler, C.J. O'Donnell, J.E. Below, A. Dehghan, and P.S. de Vries. 2022. Associations of carotid intima media thickness with gene expression in whole blood and genetically predicted gene expression across 48 tissues. *Hum Mol Genet*. 31:1171-1182.
- Chakaroun, R., L. Massier, N. Musat, and P. Kovacs. 2022. New Paradigms for Familiar Diseases: Lessons Learned on Circulatory Bacterial Signatures in Cardiometabolic Diseases. *Exp Clin Endocrinol Diabetes*. 130:313-326.
- Chamorro, R., S. Kannenberg, B. Wilms, C. Kleineruschkamp, S. Meyhofer, S.Q. Park, H. Lehnert, H. Oster, and S.M. Meyhofer. 2022. Meal Timing and Macronutrient Composition Modulate Human Metabolism and Reward-Related Drive to Eat. *Nutrients*. 14.

- Chapouton, P., and H. Lickert. 2022. Co-receptor regulation of insulin signaling. *Nat Metab.* 4:1093-1094.
- Clemen, C.S., A. Schmidt, L. Winter, F. Canneva, I. Wittig, L. Becker, R. Coras, C. Berwanger, C. German Mouse Clinic, A. Hofmann, B. Eggers, K. Marcus, V. Gailus-Durner, H. Fuchs, M.H. de Angelis, M. Kruger, S. von Horsten, L. Eichinger, and R. Schroder. 2022. N471D WASH complex subunit strumpellin knock-in mice display mild motor and cardiac abnormalities and BPTF and KLHL11 dysregulation in brain tissue. *Neuropathol Appl Neurobiol.* 48:e12750.
- Coassin, S., K. Chemello, I. Khantalin, L. Forer, P. Dottelmayer, S. Schonherr, R. Gruneis, C. Chong-Hong-Fong, B. Nativel, S. Ramin-Mangata, A. Gallo, M. Roche, B. Muelegger, C. Gieger, A. Peters, J. Zschocke, C. Marimoutou, O. Meilhac, C. Lamina, F. Kronenberg, V. Blanchard, and G. Lambert. 2022. Genome-Wide Characterization of a Highly Penetrant Form of Hyperlipoprotein(a)emia Associated With Genetically Elevated Cardiovascular Risk. *Circ Genom Precis Med.* 15:e003489.
- Comas-Armangué, G., L. Makharadze, M. Gomez-Velazquez, and R. Teperino. 2022. The Legacy of Parental Obesity: Mechanisms of Non-Genetic Transmission and Reversibility. *Biomedicines.* 10.
- Cortizo, F.G., D. Pfaff, A. Wirth, A. Schlotterer, R. Medert, J. Morgenstern, T. Weber, H.P. Hammes, T. Fleming, P.P. Nawroth, M. Freichel, and A.A. Teleman. 2022. The activity of glyoxylase 1 is regulated by glucose-responsive phosphorylation on Tyr136. *Mol Metab.* 55:101406.
- Dahal, C., N. Wawro, C. Meisinger, T.A. Breuninger, B. Thorand, W. Rathmann, W. Koenig, H. Hauner, A. Peters, and J. Linseisen. 2022. Optimized Metabotype Definition Based on a Limited Number of Standard Clinical Parameters in the Population-Based KORA Study. *Life (Basel).* 12.
- Danielsson, O., J. Nano, K. Pakkala, S. Rospleszcz, T. Lehtimäki, C.L. Schlett, M. Kahonen, F. Bamberg, O. Raitakari, A. Peters, M.J. Nissinen, and F.O. Aberg. 2022. Validity of fatty liver disease indices in the presence of alcohol consumption. *Scand J Gastroenterol.* 57:1349-1360.
- De Angelis, M., G. Maity-Kumar, S.C. Schriever, E.V. Kozlova, T.D. Muller, P.T. Pfluger, M.C. Curras-Collazo, and K.W. Schramm. 2022. Development and validation of an LC-MS/MS methodology for the quantification of thyroid hormones in dko MCT8/OATP1C1 mouse brain. *J Pharm Biomed Anal.* 221:115038.
- Delpero, M., D. Arends, M. Spreichert, F. Krause, O. Kluth, A. Schurmann, G.A. Brockmann, and D. Hesse. 2022. Identification of four novel QTL linked to the metabolic syndrome in the Berlin Fat Mouse. *Int J Obes (Lond).* 46:307-315.
- Demir, S., G. Wolff, A. Wieder, A. Maida, L. Buhler, M. Brune, O. Hautzinger, A. Feuchtinger, T. Poth, J. Szendroedi, S. Herzig, and B. Ekim Ustunel. 2022. TSC22D4 interacts with Akt1 to regulate glucose metabolism. *Sci Adv.* 8:eabo5555.
- Deshpande, S.S., S.C. Malik, P. Conforti, J.D. Lin, Y.H. Chu, S. Nath, F. Greulich, M.A. Dumbach, N.H. Uhlénhaut, and C. Schachtrup. 2022. P75 neurotrophin receptor controls subventricular zone neural stem cell migration after stroke. *Cell Tissue Res.* 387:415-431.
- Dieckmann, S., A. Strohmeier, M. Willershauser, S.F. Maurer, W. Wurst, S. Marschall, M.H. de Angelis, R. Kuhn, A. Worthmann, M.M. Fuh, J. Heeren, N. Kohler, J.K. Pauling, and M. Klingenspor. 2022. Susceptibility to diet-induced obesity at thermoneutral conditions is independent of UCP1. *Am J Physiol Endocrinol Metab.* 322:E85-E100.
- Dille, M., A. Nikolic, N. Wahlers, P. Fahlbusch, S. Jacob, S. Hartwig, S. Lehr, D. Kabra, O. Klymenko, H. Al-Hasani, J. Kotzka, and B. Knebel. 2022. Long-term adjustment of hepatic lipid metabolism after chronic stress and the role of FGF21. *Biochim Biophys Acta Mol Basis Dis.* 1868:166286.

- Dima, D., A. Modabbernia, E. Papachristou, G.E. Doucet, I. Agartz, M. Aghajani, T.N. Akudjedu, A. Albajes-Eizagirre, D. Alnaes, K.I. Alpert, M. Andersson, N.C. Andreasen, O.A. Andreassen, P. Asherson, T. Banaschewski, N. Bargallo, S. Baumeister, R. Baur-Streubel, A. Bertolino, A. Bonvino, D.I. Boomsma, S. Borgwardt, J. Bourque, D. Brandeis, A. Breier, H. Brodaty, R.M. Brouwer, J.K. Buitelaar, G.F. Busatto, R.L. Buckner, V. Calhoun, E.J. Canales-Rodriguez, D.M. Cannon, X. Caseras, F.X. Castellanos, S. Cervenka, T.M. Chaim-Avancini, C.R.K. Ching, V. Chubar, V.P. Clark, P. Conrod, A. Conzelmann, B. Crespo-Facorro, F. Crivello, E.A. Crone, U. Dannlowski, A.M. Dale, C. Davey, E.J.C. de Geus, L. de Haan, G.I. de Zubicaray, A. den Braber, E.W. Dickie, A. Di Giorgio, N.T. Doan, E.S. Dorum, S. Ehrlich, S. Erk, T. Espeseth, H. Fatouros-Bergman, S.E. Fisher, J.P. Fouche, B. Franke, T. Frodl, P. Fuentes-Claramonte, D.C. Glahn, I.H. Gotlib, H.J. Grabe, O. Grimm, N.A. Groenewold, D. Grotegerd, O. Gruber, P. Gruner, R.E. Gur, R.C. Gur, T. Hahn, B.J. Harrison, C.A. Hartman, S.N. Hatton, A. Heinz, D.J. Heslenfeld, D.P. Hibar, I.B. Hickie, B.C. Ho, P.J. Hoekstra, S. Hohmann, A.J. Holmes, M. Hoogman, N. Hosten, F.M. Howells, H.E. Hulshoff Pol, C. Huyser, N. Jahanshad, A. James, T.L. Jernigan, J. Jiang, E.G. Jonsson, J.A. Joska, R. Kahn, A. Kalnin, et al. 2022. Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3-90 years. *Hum Brain Mapp.* 43:452-469.
- Doersam, A.F., J. Moser, J. Throm, M. Weiss, S. Zipfel, N. Micali, H. Preissl, and K.E. Giel. 2022. Maternal eating disorder severity is associated with increased latency of foetal auditory event-related brain responses. *Eur Eat Disord Rev.* 30:75-81.
- Duin, S., S. Bhandarkar, S. Lehmann, E. Kemter, E. Wolf, M. Gelinsky, B. Ludwig, and A. Lode. 2022. Viability and Functionality of Neonatal Porcine Islet-like Cell Clusters Bioprinted in Alginate-Based Bioinks. *Biomedicines.* 10.
- Eckert, A.J., M. Plaumann, S. Pehlke, C. Beck, S. Muhlendorfer, U. Weickert, M. Laimer, M. Pfeifer, L. Stechemesser, and R. Holl. 2022. Idiopathic Frozen Shoulder in Individuals with Diabetes: Association with Metabolic Control, Obesity, Antidiabetic Treatment and Demographic Characteristics in Adults with Type 1 or 2 Diabetes from the DPV Registry. *Exp Clin Endocrinol Diabetes.* 130:468-474.
- Ehlich, H., H.L. Cater, A.M. Flenniken, I. Goncalves Da Cruz, A.M. Mura, V. Ntafis, M. Raess, M. Selloum, C. Stoeger, S. Suchanova, R. Vuolteenaho, S.D.M. Brown, Y. Herault, R. Hinttala, M. Hrabe de Angelis, G. Kollias, D.L. Kontoyiannis, B. Malissen, C. McKerlie, R. Sedlacek, S.E. Wells, A. Zarubica, J. Rozman, and T. Sorg. 2022. INFRAFRONTIER quality principles in systemic phenotyping. *Mamm Genome.* 33:120-122.
- Ehrmann, D., A. Schmitt, L. Priesterroth, B. Kulzer, T. Haak, and N. Hermanns. 2022. Time With Diabetes Distress and Glycemia-Specific Distress: New Patient-Reported Outcome Measures for the Psychosocial Burden of Diabetes Using Ecological Momentary Assessment in an Observational Study. *Diabetes Care.* 45:1522-1531.
- Eichelmann, F., L. Sellem, C. Wittenbecher, S. Jager, O. Kuxhaus, M. Prada, R. Cuadrat, K.G. Jackson, J.A. Lovegrove, and M.B. Schulze. 2022. Deep Lipidomics in Human Plasma: Cardiometabolic Disease Risk and Effect of Dietary Fat Modulation. *Circulation.* 146:21-35.
- Eisinger, F., E. Walter, S. Nadalin, A.L. Birkenfeld, N. Heyne, M. Guthoff, and T. Muhlbacher. 2022. Late Onset Cerebral Nocardiosis in a Sensitized Renal Transplant Recipient Following Alemtuzumab Induction: A Case Report. *Transplant Proc.* 54:116-119.
- Ellis, J.L., K.J. Evason, C. Zhang, M.N. Fourman, J. Liu, N. Ninov, M. Delous, B. Vanhollebeke, I. Fiddes, J.P. Otis, Y. Houvras, S.A. Farber, X. Xu, X. Lin, D.Y.R. Stainier, and C. Yin. 2022. A missense mutation in the proprotein convertase gene furinb causes hepatic cystogenesis during liver development in zebrafish. *Hepatol Commun.* 6:3083-3097.
- Essigke, D., B.N. Bohnert, A. Janessa, M. Worn, K. Oimage, H. Kalbacher, A.L. Birkenfeld, T.H. Bugge, R. Szabo, and F. Artunc. 2022. Sodium retention in nephrotic syndrome is independent of the activation of the membrane-anchored serine protease prostaticin (CAP1/PRSS8) and its enzymatic activity. *Pflugers Arch.* 474:613-624.
- Ester, T., and S. Kullmann. 2022. Neurobiological regulation of eating behavior: Evidence based on non-invasive brain stimulation. *Rev Endocr Metab Disord.* 23:753-772.

- Evers, S.S., Y. Shao, S.K. Ramakrishnan, J.H. Shin, N. Bozadjieva-Kramer, M. Irmeler, K. Stemmer, D.A. Sandoval, Y.M. Shah, and R.J. Seeley. 2022. Gut HIF2alpha signaling is increased after VSG, and gut activation of HIF2alpha decreases weight, improves glucose, and increases GLP-1 secretion. *Cell Rep.* 38:110270.
- Fahlbusch, P., A. Nikolic, S. Hartwig, S. Jacob, U. Kettel, C. Kollmer, H. Al-Hasani, S. Lehr, D. Muller-Wieland, B. Knebel, and J. Kotzka. 2022. Adaptation of Oxidative Phosphorylation Machinery Compensates for Hepatic Lipotoxicity in Early Stages of MAFLD. *Int J Mol Sci.* 23.
- Farnoud, A., A.J. Ohnmacht, M. Meinel, and M.P. Menden. 2022. Can artificial intelligence accelerate preclinical drug discovery and precision medicine? *Expert Opin Drug Discov.* 17:661-665.
- Feher, A., A. Schnur, S. Muenthaisong, T. Bellak, F. Ayaydin, G. Varady, E. Kemter, E. Wolf, and A. Dinnyes. 2022. Establishment and characterization of a novel human induced pluripotent stem cell line stably expressing the iRFP720 reporter. *Sci Rep.* 12:9874.
- Foesleitner, O., A. Sulaj, V. Sturm, M. Kronlage, T. Godel, F. Preisner, P.P. Nawroth, M. Bendszus, S. Heiland, and D. Schwarz. 2022. Diffusion MRI in Peripheral Nerves: Optimized b Values and the Role of Non-Gaussian Diffusion. *Radiology.* 302:153-161.
- Forcisi, S., F. Moritz, C.J. Thompson, B. Kanawati, J. Uhl, C. Afonso, C.D. Bader, A. Barsch, B.A. Boughton, R.K. Chu, J. Ferey, F. Fernandez-Lima, C. Gueguen, D. Heintz, M. Gomez-Hernandez, K.S. Jang, N. Kessler, V. Mangal, R. Muller, R. Nakabayashi, E. Nicol, S. Nicolardi, M. Palmblad, L. Pasa-Tolic, J. Porter, I. Schmitz-Afonso, J.B. Seo, E. Sommella, Y.E.M. van der Burgt, C. Villette, M. Witt, A. Wittrig, J.J. Wolff, M.L. Easterling, F.H. Laukien, and P. Schmitt-Kopplin. 2022. Large-Scale Interlaboratory DI-FT-ICR MS Comparability Study Employing Various Systems. *J Am Soc Mass Spectrom.* 33:2203-2214.
- Frangou, S., A. Modabbernia, S.C.R. Williams, E. Papachristou, G.E. Doucet, I. Agartz, M. Aghajani, T.N. Akudjedu, A. Albajes-Eizagirre, D. Alnaes, K.I. Alpert, M. Andersson, N.C. Andreasen, O.A. Andreassen, P. Asherson, T. Banaschewski, N. Bargallo, S. Baumeister, R. Baur-Streubel, A. Bertolino, A. Bonvino, D.I. Boomsma, S. Borgwardt, J. Bourque, D. Brandeis, A. Breier, H. Brodaty, R.M. Brouwer, J.K. Buitelaar, G.F. Busatto, R.L. Buckner, V. Calhoun, E.J. Canales-Rodriguez, D.M. Cannon, X. Caseras, F.X. Castellanos, S. Cervenka, T.M. Chaim-Avancini, C.R.K. Ching, V. Chubar, V.P. Clark, P. Conrod, A. Conzelmann, B. Crespo-Facorro, F. Crivello, E.A. Crone, A.M. Dale, U. Dannlowski, C. Davey, E.J.C. de Geus, L. de Haan, G.I. de Zubicaray, A. den Braber, E.W. Dickie, A. Di Giorgio, N.T. Doan, E.S. Dorum, S. Ehrlich, S. Erk, T. Espeseth, H. Fatouros-Bergman, S.E. Fisher, J.P. Fouche, B. Franke, T. Frodl, P. Fuentes-Claramonte, D.C. Glahn, I.H. Gotlib, H.J. Grabe, O. Grimm, N.A. Groenewold, D. Grotegerd, O. Gruber, P. Gruner, R.E. Gur, R.C. Gur, T. Hahn, B.J. Harrison, C.A. Hartman, S.N. Hatton, A. Heinz, D.J. Heslenfeld, D.P. Hibar, I.B. Hickie, B.C. Ho, P.J. Hoekstra, S. Hohmann, A.J. Holmes, M. Hoogman, N. Hosten, F.M. Howells, H.E. Hulshoff Pol, C. Huyser, N. Jahanshad, A. James, T.L. Jernigan, J. Jiang, E.G. Jonsson, J.A. Joska, R. Kahn, et al. 2022. Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. *Hum Brain Mapp.* 43:431-451.
- Franco, A., M. Irmeler, C. Prehn, S.S. Heinzmann, P. Schmitt-Kopplin, J. Adamski, J. Beckers, J.C. von Kleist-Retzow, R. Wiesner, H.U. Haring, M. Heni, A.L. Birkenfeld, and M.H. de Angelis. 2022. Bezafibrate Reduces Elevated Hepatic Fumarate in Insulin-Deficient Mice. *Biomedicines.* 10.
- Fraszczyk, E., A.M.W. Spijkerman, Y. Zhang, S. Brandmaier, F.R. Day, L. Zhou, P. Wackers, M.E.T. Dolle, V.W. Bloks, X. Gao, C. Gieger, J. Kooner, J. Kriebel, H.S.J. Picavet, W. Rathmann, B. Schottker, M. Loh, W.M.M. Verschuren, J.V. van Vliet-Ostaptchouk, N.J. Wareham, J.C. Chambers, K.K. Ong, H. Grallert, H. Brenner, M. Luijten, and H. Snieder. 2022. Epigenome-wide association study of incident type 2 diabetes: a meta-analysis of five prospective European cohorts. *Diabetologia.* 65:763-776.
- Freitag, M., S. Jaklin, F. Padovani, E. Radzichevici, S. Zernia, K.M. Schmoller, and J. Stigler. 2022. Single-molecule experiments reveal the elbow as an essential folding guide in SMC coiled-coil arms. *Biophys J.* 121:4702-4713.
- Fritsche, A., M. Heni, A. Peter, B. Gallwitz, M. Kellerer, A.L. Birkenfeld, H.U. Haring, and R. Wagner. 2022a. Considering Insulin Secretory Capacity as Measured by a Fasting C-Peptide/Glucose Ratio in Selecting Glucose-Lowering Medications. *Exp Clin Endocrinol Diabetes.* 130:200-204.



- Fritsche, L., J. Hartkopf, J. Hummel, D.S. Loffler, H. Yamazaki, H.U. Haring, A. Peter, A.L. Birkenfeld, R. Wagner, A. Fritsche, H. Preissl, and M. Heni. 2022b. Maternal Weight Gain during Pregnancy and the Developing Autonomic Nervous System-Possible Impact of GDM. *Nutrients*. 14.
- Fritsche, L., M. Heni, S.S. Eckstein, J. Hummel, A. Schurmann, H.U. Haring, H. Preissl, A.L. Birkenfeld, A. Peter, A. Fritsche, and R. Wagner. 2022c. Incretin Hypersecretion in Gestational Diabetes Mellitus. *J Clin Endocrinol Metab*. 107:e2425-e2430.
- Fritsche, L., J. Hummel, R. Wagner, D. Loffler, J. Hartkopf, J. Machann, J. Hilberath, K. Kantartzis, P. Jakubowski, J. Pauluschke-Frohlich, S. Brucker, S. Horber, H.U. Haring, M. Roden, A. Schurmann, M. Solimena, M.H. de Angelis, A. Peter, A.L. Birkenfeld, H. Preissl, A. Fritsche, and M. Heni. 2022d. The German Gestational Diabetes Study (PREG), a prospective multicentre cohort study: rationale, methodology and design. *BMJ Open*. 12:e058268.
- Fritz, V., P. Martirosian, J. Machann, R. Daniels, and F. Schick. 2022. A comparison of emulsifiers for the formation of oil-in-water emulsions: stability of the emulsions within 9 h after production and MR signal properties. *MAGMA*. 35:401-410.
- Gadd, D.A., R.F. Hillary, D.L. McCartney, S.B. Zaghlool, A.J. Stevenson, Y. Cheng, C. Fawns-Ritchie, C. Nangle, A. Campbell, R. Flaig, S.E. Harris, R.M. Walker, L. Shi, E.M. Tucker-Drob, C. Gieger, A. Peters, M. Waldenberger, J. Graumann, A.F. McRae, I.J. Deary, D.J. Porteous, C. Hayward, P.M. Visscher, S.R. Cox, K.L. Evans, A.M. McIntosh, K. Suhre, and R.E. Marioni. 2022. Epigenetic scores for the circulating proteome as tools for disease prediction. *Elife*. 11.
- Galhuber, M., H. Michenthaler, C. Heiningner, I. Reinisch, C. Nossing, J. Krstic, N. Kupper, E. Moyschewitz, M. Auer, E. Heitzer, P. Ulz, R. Birner-Gruenberger, L. Liesinger, G.N. Lenihan-Geels, M. Oster, E. Spreitzer, R. Zenezini Chiozzi, T.J. Schulz, M. Schupp, T. Madl, A.J.R. Heck, and A. Prokesch. 2022. Complementary omics strategies to dissect p53 signaling networks under nutrient stress. *Cell Mol Life Sci*. 79:326.
- Gancheva, S., S. Kahl, D. Pesta, L. Mastrototaro, B. Dewidar, K. Strassburger, E. Sabah, I. Esposito, J. Weiss, T. Sarabhai, M. Wolkersdorfer, T. Fleming, P. Nawroth, M. Zimmermann, A.S. Reichert, M. Schlensak, and M. Roden. 2022. Impaired Hepatic Mitochondrial Capacity in Nonalcoholic Steatohepatitis Associated With Type 2 Diabetes. *Diabetes Care*. 45:928-937.
- Gar, C., B. Thorand, C. Herder, C. Sujana, M. Heier, C. Meisinger, A. Peters, W. Koenig, W. Rathmann, M. Roden, M. Stumvoll, H. Maalmi, T. Meitinger, H. Then, J. Seissler, and C. Then. 2022. Association of circulating MR-proADM with all-cause and cardiovascular mortality in the general population: Results from the KORA F4 cohort study. *PLoS One*. 17:e0262330.
- Garcia-Gavilan, J., S.K. Nishi, I. Paz-Graniel, M. Guasch-Ferre, C. Razquin, C.B. Clish, E. Toledo, M. Ruiz-Canela, D. Corella, A. Deik, J.P. Drouin-Chartier, C. Wittenbecher, N. Babio, R. Estruch, E. Ros, M. Fito, F. Aros, M. Fiol, L. Serra-Majem, L. Liang, M.A. Martinez-Gonzalez, F.B. Hu, and J. Salas-Salvado. 2022. Plasma Metabolite Profiles Associated with the Amount and Source of Meat and Fish Consumption and the Risk of Type 2 Diabetes. *Mol Nutr Food Res*. 66:e2200145.
- Garrett, L., P. Da Silva-Buttkus, B. Rathkolb, R. Gerlini, L. Becker, A. Sanz-Moreno, C. Seisenberger, A. Zimprich, A. Aguilar-Pimentel, O.V. Amarie, Y.L. Cho, M. Kraiger, N. Spielmann, J. Calzada-Wack, S. Marschall, D. Busch, C. Schmitt-Weber, E. Wolf, W. Wurst, H. Fuchs, V. Gailus-Durner, S.M. Holter, and M. Hrabe de Angelis. 2022. Post-synaptic scaffold protein TANC2 in psychiatric and somatic disease risk. *Dis Model Mech*. 15.
- Gaul, S., K. Shahzad, R. Medert, I. Gadi, C. Mader, D. Schumacher, A. Wirth, S. Ambreen, S. Fatima, J.N. Boeckel, H. Khawaja, J. Haas, M. Brune, P.P. Nawroth, B. Isermann, U. Laufs, and M. Freichel. 2022. Novel Nongenetic Murine Model of Hyperglycemia and Hyperlipidemia-Associated Aggravated Atherosclerosis. *Front Cardiovasc Med*. 9:813215.

- Gaziano, I., S. Corneliussen, N. Biglari, R. Neuhaus, L. Shen, T. Sotelo-Hitschfeld, P. Klemm, L. Steuernagel, A.J. De Solis, W. Chen, F.T. Wunderlich, P. Kloppenburg, and J.C. Bruning. 2022a. Dopamine-inhibited POMCDrd2+ neurons in the ARC acutely regulate feeding and body temperature. *JCI Insight*. 7.
- Gaziano, L., L. Sun, M. Arnold, S. Bell, K. Cho, S.K. Kaptoge, R.J. Song, S. Burgess, D.C. Posner, K. Mosconi, C. Robinson-Cohen, A.M. Mason, T.R. Bolton, R. Tao, E. Allara, P. Schubert, L. Chen, J.R. Staley, N. Staplin, S. Altay, P. Amiano, V. Arndt, J. Arnlov, E.L.M. Barr, C. Bjorkelund, J.M.A. Boer, H. Brenner, E. Casiglia, P. Chiodini, J.A. Cooper, J. Coresh, M. Cushman, R. Dankner, K.W. Davidson, R.T. de Jongh, C. Donfrancesco, G. Engstrom, H. Freisling, A.G. de la Camara, V. Gudnason, G.J. Hankey, P.O. Hansson, A.K. Heath, E.J. Hoorn, H. Imano, S.K. Jassal, R. Kaaks, V. Katzke, J. Kauhanen, S. Kiechl, W. Koenig, R.A. Kronmal, C. Kyro, D.A. Lawlor, B. Ljungberg, C. MacDonald, G. Masala, C. Meisinger, O. Melander, C. Moreno Iribas, T. Ninomiya, D. Nitsch, B.G. Nordestgaard, C. Onland-Moret, L. Palmieri, D. Petrova, J.R.Q. Garcia, A. Rosengren, C. Sacerdote, M. Sakurai, C. Santiuste, M.B. Schulze, S. Sieri, J. Sundstrom, V. Tikhonoff, A. Tjonneland, T. Tong, R. Tumino, I. Tzoulaki, Y.T. van der Schouw, W.M. Monique Verschuren, H. Volzke, R.B. Wallace, S.G. Wannamethee, E. Weiderpass, P. Willeit, M. Woodward, K. Yamagishi, R. Zamora-Ros, E.A. Akwo, S. Pyarajan, D.R. Gagnon, P.S. Tsao, S. Muralidhar, T.L. Edwards, S.M. Damrauer, J. Joseph, L. Pennells, P.W.F. Wilson, S. Harrison, et al. 2022b. Mild-to-Moderate Kidney Dysfunction and Cardiovascular Disease: Observational and Mendelian Randomization Analyses. *Circulation*. 146:1507-1517.
- Gehlert, S., P. Weinisch, W. Romisch-Margl, R.T. Jaspers, A. Artati, J. Adamski, K.A. Dyar, T. Aussieker, D. Jacko, W. Bloch, H. Wackerhage, and G. Kastenmuller. 2022. Effects of Acute and Chronic Resistance Exercise on the Skeletal Muscle Metabolome. *Metabolites*. 12.
- Geissler, C., C. Krause, A.M. Neumann, J.H. Britsemmer, N. Taege, M. Grohs, M. Kaehler, I. Cascorbi, A.G. Lewis, R.J. Seeley, H. Oster, and H. Kirchner. 2022. Dietary induction of obesity and insulin resistance is associated with changes in Fgf21 DNA methylation in liver of mice. *J Nutr Biochem*. 100:108907.
- Georgiev, A., C. Granata, and M. Roden. 2022. The role of mitochondria in the pathophysiology and treatment of common metabolic diseases in humans. *Am J Physiol Cell Physiol*. 322:C1248-C1259.
- Giansanti, P., P. Samaras, Y. Bian, C. Meng, A. Coluccio, M. Frejno, H. Jakubowsky, S. Dobiasch, R.R. Hazarika, J. Rechenberger, J. Calzada-Wack, J. Krumm, S. Mueller, C.Y. Lee, N. Wimberger, L. Lautenbacher, Z. Hassan, Y.C. Chang, C. Falcomata, F.P. Bayer, S. Barthel, T. Schmidt, R. Rad, S.E. Combs, M. The, F. Johannes, D. Saur, M.H. de Angelis, M. Wilhelm, G. Schneider, and B. Kuster. 2022. Mass spectrometry-based draft of the mouse proteome. *Nat Methods*. 19:803-811.
- Giel, K.E., K. Schag, E.J. Leehr, I. Mack, L.S. Schuster, A. Wiegand, S. Zipfel, M. Hallschmid, and V. Nieratschker. 2022. OXTR DNA methylation differentiates men on the obesity spectrum with and without binge eating disorder. *Clin Epigenetics*. 14:108.
- Gloyn, A.L., M. Ibberson, P. Marchetti, A.C. Powers, P. Rorsman, M. Sander, and M. Solimena. 2022. Every islet matters: improving the impact of human islet research. *Nat Metab*. 4:970-977.
- Goldel, J.M., C. Kamrath, K. Minden, S. Wiegand, S. Lanzinger, C. Sengler, S. Weihrauch-Blüher, R.W. Holl, S.R. Tittel, and P. Warschburger. 2022. Access to Healthcare for Children and Adolescents with a Chronic Health Condition during the COVID-19 Pandemic: First Results from the KICK-COVID Study in Germany. *Children (Basel)*. 10.
- Goletzke, J., K.S. Weber, T. Kossler, O.P. Zaharia, K. Bodis, K. Mussig, J. Szendroedi, V. Burkart, B. Stutz, U. Nothlings, A.E. Buyken, M. Roden, and G.D.S. Group. 2022. Relative validity of a glycemic index extended food-frequency questionnaire. *Nutr Metab Cardiovasc Dis*. 32:2310-2320.
- Goni, L., C. Razquin, E. Toledo, M. Guasch-Ferre, C.B. Clish, N. Babio, C. Wittenbecher, A. Atzeni, J. Li, L. Liang, C. Dennis, A. Alonso-Gomez, M. Fito, D. Corella, E. Gomez-Gracia, R. Estruch, M. Fiol, J. Lapetra, L. Serra-Majem, E. Ros, F. Aros, J. Salas-Salvado, F.B. Hu, M.A. Martinez-Gonzalez, and M. Ruiz-Canela. 2022. Arginine catabolism metabolites and atrial fibrillation or heart failure risk: 2 case-control studies within the Prevencion con Dieta Mediterranea (PREDIMED) trial. *Am J Clin Nutr*. 116:653-662.

- Gonzalez-Garcia, I., A. Urisarri, R. Nogueiras, C. Dieguez, M.L. Couce, and M. Lopez. 2022. An updated view on human neonatal thermogenesis. *Nat Rev Endocrinol.* 18:263-264.
- Gorigk, S., D.M. Ouwens, T. Kuhn, D. Altenhofen, C. Binsch, M. Damen, J.M. Khuong, K. Kaiser, B. Knebel, H. Vogel, A. Schurmann, A. Chadt, and H. Al-Hasani. 2022. Nudix hydrolase NUDT19 regulates mitochondrial function and ATP production in murine hepatocytes. *Biochim Biophys Acta Mol Cell Biol Lipids.* 1867:159153.
- Gorski, M., H. Rasheed, A. Teumer, L.F. Thomas, S.E. Graham, G. Sveinbjornsson, T.W. Winkler, F. Gunther, K.J. Stark, J.F. Chai, B.O. Tayo, M. Wuttke, Y. Li, A. Tin, T.S. Ahluwalia, J. Arnlöv, B.O. Asvold, S.J.L. Bakker, B. Banas, N. Bansal, M.L. Biggs, G. Biino, M. Bohnke, E. Boerwinkle, E.P. Bottinger, H. Brenner, B. Brumpton, R.J. Carroll, L. Chaker, J. Chalmers, M.L. Chee, M.L. Chee, C.Y. Cheng, A.Y. Chu, M. Ciullo, M. Cocca, J.P. Cook, J. Coresh, D. Cusi, M.H. de Borst, F. Degenhardt, K.U. Eckardt, K. Endlich, M.K. Evans, M.F. Feitosa, A. Franke, S. Freitag-Wolf, C. Fuchsberger, P. Gampawar, R.T. Gansevoort, M. Ghanbari, S. Ghasemi, V. Giedraitis, C. Gieger, D.F. Gudbjartsson, S. Hallan, P. Hamet, A. Hishida, K. Ho, E. Hofer, B. Holleczeck, H. Holm, A. Hoppmann, K. Horn, N. Hutri-Kahonen, K. Hveem, S.J. Hwang, M.A. Ikram, N.S. Josyula, B. Jung, M. Kahonen, I. Karabegovic, C.C. Khor, W. Koenig, H. Kramer, B.K. Kramer, B. Kuhnel, J. Kuusisto, M. Laakso, L.A. Lange, T. Lehtimäki, M. Li, W. Lieb, S. Lifelines Cohort, L. Lind, C.M. Lindgren, R.J.F. Loos, M.A. Lukas, L.P. Lytikainen, A. Mahajan, P.R. Matias-Garcia, C. Meisinger, T. Meitinger, O. Melander, Y. Milaneschi, P.P. Mishra, N. Mononen, A.P. Morris, J.C. Mychaleckyj, G.N. Nadkarni, et al. 2022. Genetic loci and prioritization of genes for kidney function decline derived from a meta-analysis of 62 longitudinal genome-wide association studies. *Kidney Int.* 102:624-639.
- Gottmann, P., T. Speckmann, M. Stadion, E. Zuljan, H. Aga, M. Sterr, M. Buttner, P.M. Santos, M. Jahnert, S.R. Bornstein, F.J. Theis, H. Lickert, and A. Schurmann. 2022. Heterogeneous Development of beta-Cell Populations in Diabetes-Resistant and -Susceptible Mice. *Diabetes.* 71:1962-1978.
- Grapin-Botton, A., and B. Ludwig. 2022. Stem cell-derived beta cells go in monkeys. *Cell Stem Cell.* 29:500-502.
- Grimsman, J.M., S.R. Tittel, P. Bramlage, B. Mayer, A. Fritsche, J. Seufert, M. Laimer, S. Zimny, S.M. Meyhoefer, M. Hummel, and R.W. Holl. 2022. Disease heterogeneity of adult diabetes based on routine clinical variables at diagnosis: Results from the German/Austrian Diabetes Follow-up Registry. *Diabetes Obes Metab.* 24:2253-2262.
- Gruber, T., and C. Garcia-Caceres. 2022. Astroglial clean-up of satiety synapses. *Nat Metab.* 4:505-506.
- Grunberg, D., J.A. Martin, J.F. Cryan, K.D. O'Halloran, E. Kelleher, T.G. Dinan, and G. Clarke. 2021. The effect of exercise interventions on inflammatory markers in major depressive disorder: protocol for a systematic review and meta-analysis. *HRB Open Res.* 4:42.
- Gruneis, R., C. Lamina, S. Di Maio, S. Schonherr, P. Zoescher, L. Forer, G. Streiter, A. Peters, C. Gieger, A. Kottgen, F. Kronenberg, and S. Coassin. 2022a. The effect of LPA Thr3888Pro on lipoprotein(a) and coronary artery disease is modified by the LPA KIV-2 variant 4925G>A. *Atherosclerosis.* 349:151-159.
- Gruneis, R., H. Weissensteiner, C. Lamina, S. Schonherr, L. Forer, S. Di Maio, G. Streiter, A. Peters, C. Gieger, F. Kronenberg, and S. Coassin. 2022b. The kringle IV type 2 domain variant 4925G>A causes the elusive association signal of the LPA pentanucleotide repeat. *J Lipid Res.* 63:100306.
- Gutebier, L., T. Bleimehl, R. Henkel, J. Munro, S. Müller, A. Morgner, J. Laenge, A. Pachauer, A. Erdl, J. Weimar, K. Walther Langendorf, V. Vialard, T. Liebig, M. Preusse, D. Waltemath, and A. Jarasch. 2022. CovidGraph: a graph to fight COVID-19. *Bioinformatics.* 38:4843-4845.
- Haberbosch, L., L. Maurer, A. Sandforth, C. Wernicke, J. Spranger, K. Mai, and R. Jumpertz von Schwartzberg. 2022. Spironolactone is associated with reduced mitotane levels in adrenocortical carcinoma patients. *Endocr Relat Cancer.* 29:121-128.
- Hackl, L., W. Bonfig, S. Bechtold-Dalla Pozza, S. Lanzinger, N. Treptau, K. Raile, U. Elpel, K.H. Ludwig, G. Buchal, R.W. Holl, and D.P.V. registry. 2022. Size matters: Influence of center size on quality of diabetes control in children and adolescents with type 1 diabetes-A longitudinal analysis of the DPV cohort. *Pediatr Diabetes.* 23:64-72.

- Haile, A., M. Watts, S. Aichner, F. Stahlberg, V. Hoffmann, M.H. Tschoep, and K. Meissner. 2022. Central correlates of placebo effects in nausea differ between men and women. *Brain Behav.* 12:e2685.
- Hammerle, M., L. Forer, S. Schonherr, A. Peters, H. Grallert, F. Kronenberg, C. Gieger, and C. Lamina. 2022. A Family and a Genome-Wide Polygenic Risk Score Are Independently Associated With Stroke in a Population-Based Study. *Stroke.* 53:2331-2339.
- Hammerschmidt, P., and J.C. Bruning. 2022. Contribution of specific ceramides to obesity-associated metabolic diseases. *Cell Mol Life Sci.* 79:395.
- Hammersen, J., F. Reschke, S.R. Tittel, A. Pappa, A. Dost, K. Kostner, J. Rosenbauer, T.M. Kapellen, T.R. Rohrer, and R.W. Holl. 2022. Metabolic control during the SARS-CoV-2 lockdown in a large German cohort of pediatric patients with type 1 diabetes: Results from the DPV initiative. *Pediatr Diabetes.* 23:351-361.
- Hardrich, M., A. Haase-Fielitz, J. Fielitz, M. Boschmann, O. Pivovarova-Ramich, A.F.H. Pfeiffer, N. Rudovich, K.H. Weylandt, and C. Butter. 2022. Physical Performance and Non-Esterified Fatty Acids in Men and Women after Transcatheter Aortic Valve Implantation (TAVI). *Nutrients.* 14.
- Harkotte, M., M.P. Contreras, M. Inostroza, and J. Born. 2022. Effects of Information Load on Schema and Episodic Memory Formation. *Front Behav Neurosci.* 16:923713.
- Hartmann, B., S.R. Tittel, M. Femerling, M. Pfeifer, S. Meyhofer, K. Lange, S. Milek, L. Stemler, F. Best, and R.W. Holl. 2022. COVID-19 Lockdown Periods in 2020: Good Maintenance of Metabolic Control in Adults with Type 1 and Type 2 Diabetes. *Exp Clin Endocrinol Diabetes.* 130:621-626.
- Haschka, S.J., C. Gar, A.L. Potzel, V. Sacco, S. Kern-Matschilles, I. Benz, C. Then, J. Seissler, and A. Lechner. 2022a. A Normalized Real-Life Glucose Profile After Diet-Induced Remission of Type 2 Diabetes: A Pilot Trial. *Cureus.* 14:e23916.
- Haschka, S.J., C. Gar, V. Sacco, F. Banning, U. Ferrari, I. Freibothe, S. Kern-Matschilles, A.L. Potzel, B. Rauch, L.U. Fueessl, M. Meisel, I. Benz, C. Then, J. Seissler, and A. Lechner. 2022b. Pre-diabetes, diabetes and fluctuations of glucose tolerance after gestational diabetes mellitus: 5-year follow-up of a contemporary, prospective study in Germany. *BMJ Open Diabetes Res Care.* 10.
- Hatzigelaki, E., S.A. Paschou, M. Schon, T. Psaltopoulou, and M. Roden. 2022. NAFLD and thyroid function: pathophysiological and therapeutic considerations. *Trends Endocrinol Metab.* 33:755-768.
- Hauffe, R., M. Rath, W. Agyapong, W. Jonas, H. Vogel, T.J. Schulz, M. Schwarz, A.P. Kipp, M. Bluher, and A. Kleinridders. 2022. Obesity Hinders the Protective Effect of Selenite Supplementation on Insulin Signaling. *Antioxidants (Basel).* 11.
- Hawe, J.S., A. Saha, M. Waldenberger, S. Kunze, S. Wahl, M. Muller-Nurasyid, H. Prokisch, H. Grallert, C. Herder, A. Peters, K. Strauch, F.J. Theis, C. Gieger, J. Chambers, A. Battle, and M. Heinig. 2022a. Network reconstruction for trans acting genetic loci using multi-omics data and prior information. *Genome Med.* 14:125.
- Hawe, J.S., R. Wilson, K.T. Schmid, L. Zhou, L.N. Lakshmanan, B.C. Lehne, B. Kuhnel, W.R. Scott, M. Wielscher, Y.W. Yew, C. Baumbach, D.P. Lee, E. Marouli, M. Bernard, L. Pfeiffer, P.R. Matias-Garcia, M.I. Autio, S. Bourgeois, C. Herder, V. Karhunen, T. Meitinger, H. Prokisch, W. Rathmann, M. Roden, S. Sebert, J. Shin, K. Strauch, W. Zhang, W.L.W. Tan, S.M. Hauck, J. Merl-Pham, H. Grallert, E.G.V. Barbosa, T.C. Mu, T. Illig, A. Peters, T. Paus, Z. Pausova, P. Deloukas, R.S.Y. Foo, M.R. Jarvelin, J.S. Kooner, M. Loh, M. Heinig, C. Gieger, M. Waldenberger, and J.C. Chambers. 2022b. Genetic variation influencing DNA methylation provides insights into molecular mechanisms regulating genomic function. *Nat Genet.* 54:18-29.
- Heine, S., A. Aguilar-Pimentel, D. Russkamp, F. Alessandrini, V. Gailus-Durner, H. Fuchs, M. Ollert, R. Bredehorst, C. Ohnmacht, U.M. Zissler, M. Hrabe de Angelis, C.B. Schmidt-Weber, and S. Blank. 2022. Thermosensitive PLGA-PEG-PLGA Hydrogel as Depot Matrix for Allergen-Specific Immunotherapy. *Pharmaceutics.* 14.

- Heinzmann, S.S., M. Waldenberger, A. Peters, and P. Schmitt-Kopplin. 2022. Cluster Analysis Statistical Spectroscopy for the Identification of Metabolites in (1)H NMR Metabolomics. *Metabolites*. 12.
- Hellbach, F., S.E. Baumeister, R. Wilson, N. Wawro, C. Dahal, D. Freuer, H. Hauner, A. Peters, J. Winkelmann, L. Schwettmann, W. Rathmann, F. Kronenberg, W. Koenig, C. Meisinger, M. Waldenberger, and J. Linseisen. 2022. Association between Usual Dietary Intake of Food Groups and DNA Methylation and Effect Modification by Metabotype in the KORA FF4 Cohort. *Life (Basel)*. 12.
- Helm, J., S. Drukewitz, I. Poser, S. Richter, M. Friedemann, D. William, H. Mohr, S. Nolting, M. Robledo, S.R. Bornstein, G. Eisenhofer, and N. Bechmann. 2022. Treatment of Pheochromocytoma Cells with Recurrent Cycles of Hypoxia: A New Pseudohypoxic In Vitro Model. *Cells*. 11.
- Hemmersbach, L., Y. Schreiner, X. Zhang, F. Dicke, L. Hunemeyer, J.M. Neudorfl, T. Fleming, B. Yard, and H.G. Schmalz. 2022. Synthesis and Biological Evaluation of Water-Soluble Esterase-Activated CO-Releasing Molecules Targeting Mitochondria. *Chemistry*. 28:e202201670.
- Henning, T., B. Kochlik, P. Kusch, M. Strauss, V. Juric, M. Pignitter, F. Marusch, T. Grune, and D. Weber. 2022. Pre-Operative Assessment of Micronutrients, Amino Acids, Phospholipids and Oxidative Stress in Bariatric Surgery Candidates. *Antioxidants (Basel)*. 11.
- Herder, C., and M. Roden. 2022. A novel diabetes typology: towards precision diabetology from pathogenesis to treatment. *Diabetologia*. 65:1770-1781.
- Hermanns, N., D. Ehrmann, A. Shapira, B. Kulzer, A. Schmitt, and L. Laffel. 2022. Coordination of glucose monitoring, self-care behaviour and mental health: achieving precision monitoring in diabetes. *Diabetologia*. 65:1883-1894.
- Herpich, C., S. Lehmann, B. Kochlik, M. Kleinert, S. Klaus, U. Muller-Werdan, and K. Norman. 2022. The Effect of Dextrose or Protein Ingestion on Circulating Growth Differentiation Factor 15 and Appetite in Older Compared to Younger Women. *Nutrients*. 14.
- Herrera Moro Chao, D., M.K. Kirchner, C. Pham, E. Foppen, R.G.P. Denis, J. Castel, C. Morel, E. Montalban, R. Hassouna, L.C. Bui, J. Renault, C. Mouffle, C. Garcia-Caceres, M.H. Tschop, D. Li, C. Martin, J.E. Stern, and S.H. Luquet. 2022. Hypothalamic astrocytes control systemic glucose metabolism and energy balance. *Cell Metab*. 34:1532-1547 e1536.
- Hindy, G., P. Dornbos, M.D. Chaffin, D.J. Liu, M. Wang, M.S. Selvaraj, D. Zhang, J. Park, C.A. Aguilar-Salinas, L. Antonacci-Fulton, D. Ardissino, D.K. Arnett, S. Aslibekyan, G. Atzmon, C.M. Ballantyne, F. Barajas-Olmos, N. Barzilai, L.C. Becker, L.F. Bielak, J.C. Bis, J. Blangero, E. Boerwinkle, L.L. Bonnycastle, E. Bottinger, D.W. Bowden, M.J. Bown, J.A. Brody, J.G. Broome, N.P. Burt, B.E. Cade, F. Centeno-Cruz, E. Chan, Y.C. Chang, Y.I. Chen, C.Y. Cheng, W.J. Choi, R. Chowdhury, C. Contreras-Cubas, E.J. Cordova, A. Correa, L.A. Cupples, J.E. Curran, J. Danesh, P.S. de Vries, R.A. DeFronzo, H. Doddapaneni, R. Duggirala, S.K. Dutcher, P.T. Ellinor, L.S. Emery, J.C. Florez, M. Fornage, B.I. Freedman, V. Fuster, M.E. Garay-Sevilla, H. Garcia-Ortiz, S. Germer, R.A. Gibbs, C. Gieger, B. Glaser, C. Gonzalez, M.E. Gonzalez-Villalpando, M. Graff, S.E. Graham, N. Grarup, L.C. Groop, X. Guo, N. Gupta, S. Han, C.L. Hanis, T. Hansen, J. He, N.L. Heard-Costa, Y.J. Hung, M.Y. Hwang, M.R. Irvin, S. Islas-Andrade, G.P. Jarvik, H.M. Kang, S.L.R. Kardia, T. Kelly, E.E. Kenny, A.T. Khan, B.J. Kim, R.W. Kim, Y.J. Kim, H.A. Koistinen, C. Kooperberg, J. Kuusisto, S.H. Kwak, M. Laakso, L.A. Lange, J. Lee, J. Lee, S. Lee, D.M. Lehman, R.N. Lemaitre, A. Linneberg, J. Liu, R.J.F. Loos, et al. 2022. Rare coding variants in 35 genes associate with circulating lipid levels-A multi-ancestry analysis of 170,000 exomes. *Am J Hum Genet*. 109:81-96.
- Hoene, M., X. Zhao, J. Machann, A.L. Birkenfeld, M. Heni, A. Peter, A. Niess, A. Moller, R. Lehmann, G. Xu, and C. Weigert. 2022. Exercise-Induced N-Lactoylphenylalanine Predicts Adipose Tissue Loss during Endurance Training in Overweight and Obese Humans. *Metabolites*. 13.
- Hoffmann, C., P.A. Gerber, C. Cavelti-Weder, L. Licht, R. Kotb, R. Al Dweik, M. Cherfane, S.R. Bornstein, and N. Perakakis. 2022a. Liver, NAFLD and COVID-19. *Horm Metab Res*. 54:522-531.
- Hoffmann, N., G. Mayer, C. Has, D. Kopczynski, F. Al Machot, D. Schwudke, R. Ahrends, K. Marcus, M. Eisenacher, and M. Turewicz. 2022b. A Current Encyclopedia of Bioinformatics Tools, Data Formats and Resources for Mass Spectrometry Lipidomics. *Metabolites*. 12.

- Honarpisheh, M., Y. Lei, Y. Zhang, M. Pehl, E. Kemter, M. Kraetzel, A. Lange, E. Wolf, L. Wolf-van Buerck, J. Seissler, and V. Consortium. 2022. Formation of Re-Aggregated Neonatal Porcine Islet Clusters Improves In Vitro Function and Transplantation Outcome. *Transpl Int.* 35:10697.
- Huan, T., S. Nguyen, E. Colicino, C. Ochoa-Rosales, W.D. Hill, J.A. Brody, M. Soerensen, Y. Zhang, A. Baldassari, M.A. Elhadad, T. Toshiko, Y. Zheng, A. Domingo-Relloso, D.H. Lee, J. Ma, C. Yao, C. Liu, S.J. Hwang, R. Joehanes, M. Fornage, J. Bressler, J.B.J. van Meurs, B. Debrabant, J. Mengel-From, J. Hjelmborg, K. Christensen, P. Vokonas, J. Schwartz, S.A. Gahrib, N. Sotoodehnia, C.M. Sitlani, S. Kunze, C. Gieger, A. Peters, M. Waldenberger, I.J. Deary, L. Ferrucci, Y. Qu, P. Greenland, D.M. Lloyd-Jones, L. Hou, S. Bandinelli, T. Voortman, B. Hermann, A. Baccarelli, E. Whitsel, J.S. Pankow, and D. Levy. 2022. Integrative analysis of clinical and epigenetic biomarkers of mortality. *Aging Cell.* 21:e13608.
- Huemer, M.T., A. Petrera, S.M. Hauck, M. Drey, A. Peters, and B. Thorand. 2022. Proteomics of the phase angle: Results from the population-based KORA S4 study. *Clin Nutr.* 41:1818-1826.
- Hummel, J., S. Kullmann, and M. Heni. 2022a. Spotlight on the Human Brain: Central Actions of SGLT2 Inhibitors? *J Clin Endocrinol Metab.* 107:e3080-e3081.
- Hummel, J., J. Machann, C. Dannecker, S. Kullmann, A.L. Birkenfeld, H.U. Haring, A. Peter, A. Fritsche, R. Wagner, and M. Heni. 2022b. Eight weeks of empagliflozin does not affect pancreatic fat content and insulin secretion in people with prediabetes. *Diabetes Obes Metab.* 24:1661-1666.
- Icks, A., S. Stobel, B. Thorand, R. Holle, M. Laxy, M. Schunk, A. Neumann, J. Wasem, V. Gontscharuk, and N. Chernyak. 2022. Self-care time and rating of health state in persons with diabetes: results from the population-based KORA survey in Germany. *Health Qual Life Outcomes.* 20:163.
- Igual Gil, C., B.M. Coull, W. Jonas, R.N. Lippert, S. Klaus, and M. Ost. 2022. Mitochondrial stress-induced GFRAL signaling controls diurnal food intake and anxiety-like behavior. *Life Sci Alliance.* 5.
- Ittermann, T., M. Dorr, M.R.P. Markus, M. Nauck, C. Jurgens, S. Schipf, C.O. Schmidt, H. Volzke, and A. Richter. 2022. Variability of biomarkers used for the classification of metabolic syndrome: A repeated measurements study. *Nutr Metab Cardiovasc Dis.* 32:1693-1702.
- Jager, S., M. Cabral, J.F. Kopp, P. Hoffmann, E. Ng, J.B. Whitfield, A.P. Morris, L. Lind, T. Schwerdtle, and M.B. Schulze. 2022. Blood copper and risk of cardiometabolic diseases: a Mendelian randomization study. *Hum Mol Genet.* 31:783-791.
- Jaghutriz, B.A., R. Wagner, S. Kullmann, L. Fritsche, S.S. Eckstein, C. Dannecker, C. Willmann, E. Randrianarisoa, A. Lehn-Stefan, A. Hieronimus, S. Hudak, D. Vosseler, A. Lamprinou, P. Huber, A. Vosseler, G. Willmann, N. Heyne, D. Wolff, N. Stefan, H.U. Haring, A.L. Birkenfeld, A. Peter, A. Fritsche, and M. Heni. 2022. The TUDID Study - Background and Design of a Prospective Cohort. *Exp Clin Endocrinol Diabetes.* 130:43-48.
- Jain, C., Ansarullah, S. Bilekova, and H. Lickert. 2022. Targeting pancreatic beta cells for diabetes treatment. *Nat Metab.* 4:1097-1108.
- Jais, A., and J.C. Bruning. 2022. Arcuate Nucleus-Dependent Regulation of Metabolism-Pathways to Obesity and Diabetes Mellitus. *Endocr Rev.* 43:314-328.
- Jannasch, F., S. Dietrich, T.R.P. Bishop, M. Pearce, A. Fanidi, G. O'Donoghue, D. O'Gorman, P. Marques-Vidal, P. Vollenweider, M. Bes-Rastrollo, L. Byberg, A. Wolk, M. Hashemian, R. Malekzadeh, H. Poustchi, V.C. Luft, S.M.A. de Matos, J. Kim, M.K. Kim, Y. Kim, D. Stern, M. Lajous, D.J. Magliano, J.E. Shaw, T. Akbaraly, M. Kivimaki, G. Maskarinec, L. Le Marchand, M.A. Martinez-Gonzalez, S.S. Soedamah-Muthu, E.P.-I. Consortium, N.J. Wareham, N.G. Forouhi, and M.B. Schulze. 2022a. Associations between exploratory dietary patterns and incident type 2 diabetes: a federated meta-analysis of individual participant data from 25 cohort studies. *Eur J Nutr.* 61:3649-3667.
- Jannasch, F., D.V. Nickel, M.M. Bergmann, and M.B. Schulze. 2022b. A New Evidence-Based Diet Score to Capture Associations of Food Consumption and Chronic Disease Risk. *Nutrients.* 14.

- Jelenik, T., A. Kodde, D. Pesta, E. Phielix, A. Oosting, E. Rohbeck, B. Dewidar, L. Mastrototaro, S. Trenkamp, J. Keijer, E.M. van der Beek, and M. Roden. 2022. Dietary lipid droplet structure in postnatal life improves hepatic energy and lipid metabolism in a mouse model for postnatal programming. *Pharmacol Res.* 179:106193.
- Jende, J.M.E., Z. Kender, J. Morgenstern, P. Renn, C. Mooshage, A. Juerchott, S. Kopf, P.P. Nawroth, M. Bendszus, and F.T. Kurz. 2021a. Fractional Anisotropy and Troponin T Parallel Structural Nerve Damage at the Upper Extremities in a Group of Patients With Prediabetes and Type 2 Diabetes - A Study Using 3T Magnetic Resonance Neurography. *Front Neurosci.* 15:741494.
- Jende, J.M.E., C. Mooshage, Z. Kender, S. Kopf, J.B. Groener, S. Heiland, A. Juerchott, P. Nawroth, M. Bendszus, and F.T. Kurz. 2021b. Magnetic Resonance Neurography Reveals Smoking-Associated Decrease in Sciatic Nerve Structural Integrity in Type 2 Diabetes. *Front Neurosci.* 15:811085.
- Jende, J.M.E., C. Mooshage, Z. Kender, L. Schimpfle, A. Juerchott, S. Heiland, P. Nawroth, M. Bendszus, S. Kopf, and F.T. Kurz. 2022a. Sciatic nerve microvascular permeability in type 2 diabetes decreased in patients with neuropathy. *Ann Clin Transl Neurol.* 9:830-840.
- Jende, J.M.E., C. Mooshage, Z. Kender, L. Schimpfle, A. Juerchott, P. Nawroth, S. Heiland, M. Bendszus, S. Kopf, and F.T. Kurz. 2022b. Troponin T Is Negatively Associated With 3 Tesla Magnetic Resonance Peripheral Nerve Perfusion in Type 2 Diabetes. *Front Endocrinol (Lausanne).* 13:839774.
- Jeyagaran, A., C.E. Lu, A. Zbinden, A.L. Birkenfeld, S.Y. Brucker, and S.L. Layland. 2022. Type 1 diabetes and engineering enhanced islet transplantation. *Adv Drug Deliv Rev.* 189:114481.
- Johnson, J.M., S.J. Durrant, G.R. Law, J. Santiago, E.M. Scott, and F. Curtis. 2022. The effect of slow-wave sleep and rapid eye-movement sleep interventions on glycaemic control: a systematic review and meta-analysis of randomised controlled trials. *Sleep Med.* 92:50-58.
- Jonas, W., O. Kluth, A. Helms, S. Voss, M. Jahnert, P. Gottmann, T. Speckmann, B. Knebel, A. Chadt, H. Al-Hasani, A. Schurmann, and H. Vogel. 2022a. Identification of Novel Genes Involved in Hyperglycemia in Mice. *Int J Mol Sci.* 23.
- Jonas, W., K. Schwerbel, L. Zellner, M. Jahnert, P. Gottmann, and A. Schurmann. 2022b. Alterations of Lipid Profile in Livers with Impaired Lipophagy. *Int J Mol Sci.* 23.
- Kabisch, S., O.S. Hedemann, and A.F.H. Pfeiffer. 2022a. Periodontitis, age-related diseases and diabetes in an endocrinological outpatient setting (PARADIES): a cross-sectional analysis on predictive factors for periodontitis in a German outpatient facility. *Acta Diabetol.* 59:675-686.
- Kabisch, S., N.M.T. Meyer, C. Honsek, M. Kemper, C. Gerbracht, A.M. Arafat, U. Dambeck, M.A. Osterhoff, M.O. Weickert, and A.F.H. Pfeiffer. 2022b. Predicting Factors for Metabolic Non-Response to a Complex Lifestyle Intervention-A Replication Analysis to a Randomized-Controlled Trial. *Nutrients.* 14.
- Kabisch, S., M.O. Weickert, and A.F.H. Pfeiffer. 2022c. The role of cereal soluble fiber in the beneficial modulation of glycometabolic gastrointestinal hormones. *Crit Rev Food Sci Nutr*:1-17.
- Kahl, S., A.P. Ofstad, B. Zinman, C. Wanner, E. Schuler, N. Sattar, S.E. Inzucchi, and M. Roden. 2022a. Effects of empagliflozin on markers of liver steatosis and fibrosis and their relationship to cardiorenal outcomes. *Diabetes Obes Metab.* 24:1061-1071.
- Kahl, S., J. Putzer, and M. Roden. 2022b. Novel Antidiabetic Strategies and Diabetologists' Views in Nonalcoholic Steatohepatitis. *Semin Liver Dis.* 42:48-60.
- Kamplung, H., B. Kohler, I. Germerott, B. Haastert, A. Icks, B. Kulzer, B. Nowotny, N. Hermanns, and J. Kruse. 2022. An Integrated Psychosomatic Treatment Program for People with Diabetes (psy-PAD). *Dtsch Arztebl Int.* 119:245-252.
- Kamrath, C., J. Rosenbauer, A.J. Eckert, U. Ohlenschlager, C. Sydlik, N. Nellen-Hellmuth, and R.W. Holl. 2022a. Glycated hemoglobin at diagnosis of type 1 diabetes and at follow-up in children and adolescents during the COVID-19 pandemic in Germany. *Pediatr Diabetes.* 23:749-753.

- Kamrath, C., J. Rosenbauer, A.J. Eckert, K. Siedler, H. Bartelt, D. Klose, M. Sindichakis, S. Herrlinger, V. Lahn, and R.W. Holl. 2022b. Incidence of Type 1 Diabetes in Children and Adolescents During the COVID-19 Pandemic in Germany: Results From the DPV Registry. *Diabetes Care*. 45:1762-1771.
- Kamrath, C., S.R. Tittel, D. Dunstheimer, E. Frohlich-Reiterer, M. Freff, C. Bottcher, N. Scheffler, S. Lenze, E. Gericke, S. Thiele, and R.W. Holl. 2022c. Early vs late histological confirmation of coeliac disease in children with new-onset type 1 diabetes. *Diabetologia*. 65:1108-1118.
- Kandaswamy, S., L. Zobel, B. John, S.T. Santhiya, J. Bogedein, G.K.H. Przemeck, V. Gailus-Durner, H. Fuchs, M. Biel, M.H. de Angelis, J. Graw, S. Michalakakis, and O.V. Amarie. 2022. Mutations within the cGMP-binding domain of CNGA1 causing autosomal recessive retinitis pigmentosa in human and animal model. *Cell Death Discov*. 8:387.
- Kanoni, S., S.E. Graham, Y. Wang, I. Surakka, S. Ramdas, X. Zhu, S.L. Clarke, K.F. Bhatti, S. Vedantam, T.W. Winkler, A.E. Locke, E. Marouli, G.J.M. Zajac, K.H. Wu, I. Ntalla, Q. Hui, D. Klarin, A.T. Hilliard, Z. Wang, C. Xue, G. Thorleifsson, A. Helgadottir, D.F. Gudbjartsson, H. Holm, I. Olafsson, M.Y. Hwang, S. Han, M. Akiyama, S. Sakaue, C. Terao, M. Kanai, W. Zhou, B.M. Brumpton, H. Rasheed, A.S. Havulinna, Y. Vaturi, J.A. Pacheco, E.A. Rosenthal, T. Lingren, Q. Feng, I.J. Kullo, A. Narita, J. Takayama, H.C. Martin, K.A. Hunt, B. Trivedi, J. Haessler, F. Giulianini, Y. Bradford, J.E. Miller, A. Campbell, K. Lin, I.Y. Millwood, A. Rasheed, G. Hindy, J.D. Faul, W. Zhao, D.R. Weir, C. Turman, H. Huang, M. Graff, A. Choudhury, D. Sengupta, A. Mahajan, M.R. Brown, W. Zhang, K. Yu, E.M. Schmidt, A. Pandit, S. Gustafsson, X. Yin, J. Luan, J.H. Zhao, F. Matsuda, H.M. Jang, K. Yoon, C. Medina-Gomez, A. Pitsillides, J.J. Hottenga, A.R. Wood, Y. Ji, Z. Gao, S. Haworth, N.A. Yousri, R.E. Mitchell, J.F. Chai, M. Aadahl, A.A. Bjerregaard, J. Yao, A. Manichaikul, C.M. Hwu, Y.J. Hung, H.R. Warren, J. Ramirez, J. Bork-Jensen, L.L. Karhus, A. Goel, M. Sabater-Lleal, R. Noordam, P. Mauro, et al. 2022. Implicating genes, pleiotropy, and sexual dimorphism at blood lipid loci through multi-ancestry meta-analysis. *Genome Biol*. 23:268.
- Karl, F.M., C. Winkler, A.G. Ziegler, M. Laxy, and P. Achenbach. 2022a. Costs of Public Health Screening of Children for Presymptomatic Type 1 Diabetes in Bavaria, Germany. *Diabetes Care*. 45:837-844.
- Karl, S., H. Johar, K.H. Ladwig, A. Peters, and F. Lederbogen. 2022b. Dysregulated diurnal cortisol patterns are associated with cardiovascular mortality: Findings from the KORA-F3 study. *Psychoneuroendocrinology*. 141:105753.
- Karlina, R., C. Flexeder, S. Musiol, M. Bhattacharyya, E. Schneider, I. Altun, S. Gschwendtner, A.U. Neumann, J. Nano, M. Schloter, A. Peters, H. Schulz, C.B. Schmidt-Weber, M. Standl, C. Traidl-Hoffmann, F. Alessandrini, and S. Ussar. 2022. Differential effects of lung inflammation on insulin resistance in humans and mice. *Allergy*. 77:2482-2497.
- Kart, T., M. Fischer, S. Winzeck, B. Glocker, W. Bai, R. Bulow, C. Emmel, L. Friedrich, H.U. Kauczor, T. Keil, T. Kroncke, P. Mayer, T. Niendorf, A. Peters, T. Pischon, B.M. Schaarschmidt, B. Schmidt, M.B. Schulze, L. Umutle, H. Volzke, T. Kustner, F. Bamberg, B. Scholkopf, D. Rueckert, and S. Gatidis. 2022. Automated imaging-based abdominal organ segmentation and quality control in 20,000 participants of the UK Biobank and German National Cohort Studies. *Sci Rep*. 12:18733.
- Katsumoto, K., S. Yennek, C. Chen, L.F.D. Silva, S. Traikov, D. Sever, A. Azad, J. Shan, S. Vainio, N. Ninov, S. Speier, and A. Grapin-Botton. 2022. Wnt4 is heterogeneously activated in maturing beta-cells to control calcium signaling, metabolism and function. *Nat Commun*. 13:6255.
- Keilen, J., C. Gar, M. Rottenkolber, L.U. Fueessl, A.T. Joseph, R. Draenert, J. Seissler, and A. Lechner. 2022. No association of natural killer cell number and function in peripheral blood with overweight/obesity and metabolic syndrome in a cohort of young women. *Physiol Rep*. 10:e15148.
- Kemter, E., A. Citro, L. Wolf-van Buerck, Y. Qiu, A. Bottcher, M. Policardi, S. Pellegrini, L. Valla, M. Alunni-Fabbroni, J. Kobolak, B. Kessler, M. Kurome, V. Zakhartchenko, A. Dinnyes, C.C. Cyran, H. Lickert, L. Piemonti, J. Seissler, and E. Wolf. 2022. Transgenic pigs expressing near infrared fluorescent protein-A novel tool for noninvasive imaging of islet xenotransplants. *Xenotransplantation*. 29:e12719.



- Kender, Z., J.B. Groener, J.M.E. Jende, F.T. Kurz, T. Fleming, A. Sulaj, S. Schuh-Hofer, R.D. Treede, M. Bendszus, J. Szendroedi, P.P. Nawroth, and S. Kopf. 2022. Diabetic neuropathy is a generalized phenomenon with impact on hand functional performance and quality of life. *Eur J Neurol.* 29:3081-3091.
- Kentschke, D., I. Bauer, J. Moser, F. Schleger, M. Hahn, J. Pauluschke-Frohlich, P. Jakubowski, H. Abele, H. Preissl, and J. Hartkopf. 2022. COVID-19 and Perinatal Stress Experience - a Study Conducted as Part of the COVGEN Initiative. *Geburtshilfe Frauenheilkd.* 82:1265-1273.
- Kern-Matschilles, S., C. Gar, K. Schilbach, S.J. Haschka, B. Rauch, C. Then, J. Seissler, M. Bidlingmaier, and A. Lechner. 2022a. Altered Circulating Leptin, hGH, and IGF-I in Prediabetes and Screening-Diagnosed T2DM Unrelated to Metabolic Syndrome in Women Post Gestational Diabetes. *Horm Metab Res.* 54:613-619.
- Kern-Matschilles, S., C. Gar, L. Wanger, S.J. Haschka, A.L. Potzel, N. Hesse, C. Then, J. Seissler, and A. Lechner. 2022b. Association of Serum Myostatin with Body Weight, Visceral Fat Volume, and High Sensitivity C-Reactive Protein But Not With Muscle Mass and Physical Fitness in Premenopausal Women. *Exp Clin Endocrinol Diabetes.* 130:393-399.
- Keutzer, L., H. You, A. Farnoud, J. Nyberg, S.G. Wicha, G. Maher-Edwards, G. Vlasakakis, G.K. Moghaddam, E.M. Svensson, M.P. Menden, U.S.H. Simonsson, and C. On Behalf Of The Unite Tb. 2022. Machine Learning and Pharmacometrics for Prediction of Pharmacokinetic Data: Differences, Similarities and Challenges Illustrated with Rifampicin. *Pharmaceutics.* 14.
- Kiefer, L.S., J. Fabian, S. Rospleszcz, R. Lorbeer, J. Machann, M.S. Kraus, M. Fischer, F. Roemer, W. Rathmann, C. Meisinger, M. Heier, K. Nikolaou, A. Peters, C. Storz, C.L. Schlett, and F. Bamberg. 2022. Population-based cohort imaging: skeletal muscle mass by magnetic resonance imaging in correlation to bioelectrical-impedance analysis. *J Cachexia Sarcopenia Muscle.* 13:976-986.
- Kirschner, K.M., A. Foryst-Ludwig, S. Gohlke, C. Li, R.E. Flores, U. Kintscher, M. Schupp, T.J. Schulz, and H. Scholz. 2022. Wt1 haploinsufficiency induces browning of epididymal fat and alleviates metabolic dysfunction in mice on high-fat diet. *Diabetologia.* 65:528-540.
- Klein-Rodewald, T., K. Micklich, A. Sanz-Moreno, M. Tost, J. Calzada-Wack, T. Adler, M. Klafien, S. Sabrautzki, B. Aigner, M. Kraiger, V. Gailus-Durner, H. Fuchs, C. German Mouse Clinic, A. Grunder, H. Pahl, E. Wolf, M. Hrabe de Angelis, and B. Rathkolb. 2022. New C3H Kit(N824K/WT) cancer mouse model develops late-onset malignant mammary tumors with high penetrance. *Sci Rep.* 12:19793.
- Klein, A.B., T.S. Nicolaisen, K. Johann, A.M. Fritzen, C.V. Mathiesen, C. Gil, N.S. Pilmark, K. Karstoft, M.B. Blond, J.S. Quist, R.J. Seeley, K. Faerch, J. Lund, M. Kleinert, and C. Clemmensen. 2022. The GDF15-GFRAL pathway is dispensable for the effects of metformin on energy balance. *Cell Rep.* 40:111258.
- Klemp, I., A. Hoffmann, L. Muller, T. Hagemann, K. Horn, K. Rohde-Zimmermann, A. Tonjes, J. Thiery, M. Loffler, R. Burkhardt, Y. Bottcher, M. Stumvoll, M. Bluher, K. Krohn, M. Scholz, R. Baber, P.W. Franks, P. Kovacs, and M. Keller. 2022. DNA methylation patterns reflect individual's lifestyle independent of obesity. *Clin Transl Med.* 12:e851.
- Kogan, P.S., F. Wirth, A. Tomar, J. Darr, R. Teperino, H. Lahm, M. Dressen, N. Puluca, Z. Zhang, I. Neb, N. Beck, T. Luzius, L. de la Osa de la Rosa, K. Gartner, C. Huls, R. Zeidler, D. Ramanujam, S. Engelhardt, C. Wenk, L.M. Holdt, M. Mononen, M. Sahara, J. Cleuziou, J. Horer, R. Lange, M. Krane, and S.A. Doppler. 2022. Uncovering the molecular identity of cardiosphere-derived cells (CDCs) by single-cell RNA sequencing. *Basic Res Cardiol.* 117:11.
- Kraiger, M., T. Klein-Rodewald, B. Rathkolb, J. Calzada-Wack, A. Sanz-Moreno, H. Fuchs, E. Wolf, V. Gailus-Durner, and M.H. de Angelis. 2022. Monitoring longitudinal disease progression in a novel murine Kit tumor model using high-field MRI. *Sci Rep.* 12:14608.
- Kraus, G., M. Weigelt, S. Reinhardt, A. Petzold, A. Dahl, and E. Bonifacio. 2022. Reproducibility of 10x Genomics single cell RNA sequencing method in the immune cell environment. *J Immunol Methods.* 502:113227.

- Kress, S., C. Wigmann, Q. Zhao, C. Herder, M.J. Abramson, H. Schwender, and T. Schikowski. 2022. Chronic air pollution-induced subclinical airway inflammation and polygenic susceptibility. *Respir Res.* 23:265.
- Krieg, L., K. Didt, I. Karkossa, S.H. Bernhart, S. Kehr, N. Subramanian, A. Lindhorst, A. Schaudinn, S. Tabei, M. Keller, M. Stumvoll, A. Dietrich, M. von Bergen, P.F. Stadler, J. Laurencikiene, M. Kruger, M. Bluher, M. Gericke, K. Schubert, P. Kovacs, R. Chakaroun, and L. Massier. 2022. Multiomics reveal unique signatures of human epiploic adipose tissue related to systemic insulin resistance. *Gut.* 71:2179-2193.
- Kruchten, R.V., S. Rospleszcz, R. Lorbeer, D. Hasic, A. Peters, F. Bamberg, H. Schulz, S. Karrasch, and C.L. Schlett. 2022. Whole-Body MRI-Derived Adipose Tissue Characterization and Relationship to Pulmonary Function Impairment. *Tomography.* 8:560-569.
- Krug, R., L. Beier, M. Lammerhofer, and M. Hallschmid. 2022. Distinct and Convergent Beneficial Effects of Estrogen and Insulin on Cognitive Function in Healthy Young Men. *J Clin Endocrinol Metab.* 107:e582-e593.
- Kuhn, T., K. Kaiser, S. Lebek, D. Altenhofen, B. Knebel, R. Herwig, A. Rasche, A. Pelligra, S. Gorigk, J.M. Khuong, H. Vogel, A. Schurmann, M. Bluher, A. Chadt, and H. Al-Hasani. 2022. Comparative genomic analyses of multiple backcross mouse populations suggest SGCG as a novel potential obesity-modifier gene. *Hum Mol Genet.* 31:4019-4033.
- Kulka, C., R. Lorbeer, E. Askani, E. Kellner, M. Reiser, R. von Kruchten, S. Rospleszcz, D. Hasic, A. Peters, F. Bamberg, and C.L. Schlett. 2022. Quantification of Left Atrial Size and Function in Cardiac MR in Correlation to Non-Gated MR and Cardiovascular Risk Factors in Subjects without Cardiovascular Disease: A Population-Based Cohort Study. *Tomography.* 8:2202-2217.
- Kullmann, S., T. Goj, R. Veit, L. Fritsche, L. Wagner, P. Schneeweiss, M. Hoene, C. Hoffmann, J. Machann, A. Niess, H. Preissl, A.L. Birkenfeld, A. Peter, H.U. Haring, A. Fritsche, A. Moller, C. Weigert, and M. Heni. 2022a. Exercise restores brain insulin sensitivity in sedentary adults who are overweight and obese. *JCI Insight.* 7.
- Kullmann, S., J. Hummel, R. Wagner, C. Dannecker, A. Vosseler, L. Fritsche, R. Veit, K. Kantartzis, J. Machann, A.L. Birkenfeld, N. Stefan, H.U. Haring, A. Peter, H. Preissl, A. Fritsche, and M. Heni. 2022b. Empagliflozin Improves Insulin Sensitivity of the Hypothalamus in Humans With Prediabetes: A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Trial. *Diabetes Care.* 45:398-406.
- Kuss, O., C. Akbulut, S. Schlesinger, A. Georgiev, M. Kelm, M. Roden, and G. Wolff. 2022. Absolute treatment effects for the primary outcome and all-cause mortality in the cardiovascular outcome trials of new antidiabetic drugs: a meta-analysis of digitalized individual patient data. *Acta Diabetol.* 59:1349-1359.
- Lai, H.T.M., F. Imamura, A.V.A. Korat, R.A. Murphy, N. Tintle, J.K. Bassett, J. Chen, J. Kroger, K.L. Chien, M. Senn, A.C. Wood, N.G. Forouhi, M.B. Schulze, W.S. Harris, R.S. Vasan, F. Hu, G.G. Giles, A. Hodge, L. Djousse, I.A. Brouwer, F. Qian, Q. Sun, J.H.Y. Wu, M. Marklund, R.N. Lemaitre, D.S. Siscovick, A.M. Fretts, A.H. Shadyab, J.E. Manson, B.V. Howard, J.G. Robinson, R.B. Wallace, N.J. Wareham, Y.I. Chen, J.I. Rotter, M.Y. Tsai, R. Micha, D. Mozaffarian, A. Fatty, and C. Outcomes Research. 2022. Trans Fatty Acid Biomarkers and Incident Type 2 Diabetes: Pooled Analysis of 12 Prospective Cohort Studies in the Fatty Acids and Outcomes Research Consortium (FORCE). *Diabetes Care.* 45:854-863.
- Lal, R.A., H. Robinson, S. Lanzinger, K.M. Miller, S. Pons Perez, R. Kovacic, P. Calhoun, F. Campbell, A. Naeke, D.M. Maahs, R.W. Holl, and J. Warner. 2022. Temporal Changes in Hemoglobin A1c and Diabetes Technology Use in DPV, NPDA, and T1DX Pediatric Cohorts from 2010 to 2018. *Diabetes Technol Ther.* 24:628-634.
- Landgraf, R., J. Aberle, A.L. Birkenfeld, B. Gallwitz, M. Kellerer, H. Klein, D. Muller-Wieland, M.A. Nauck, T. Wiesner, and E. Siegel. 2022. Therapy of Type 2 Diabetes. *Exp Clin Endocrinol Diabetes.* 130:S80-S112.
- Lange, M., V. Bergen, M. Klein, M. Setty, B. Reuter, M. Bakhti, H. Lickert, M. Ansari, J. Schniering, H.B. Schiller, D. Pe'er, and F.J. Theis. 2022. CellRank for directed single-cell fate mapping. *Nat Methods.* 19:159-170.

- Lanzinger, S., H. Altug, T. Schikowski, S. Khodaverdi, J. Rosenbauer, W. Rathmann, K. Praedicow, E. Schonau, R.W. Holl, and D.P.V. initiative. 2022a. Longitudinal relationship of particulate matter and metabolic control and severe hypoglycaemia in children and adolescents with type 1 diabetes. *Environ Res.* 203:111859.
- Lanzinger, S., F. Best, T. Bergmann, M. Laimer, B. Lipovsky, T. Danne, S. Zimny, P. Bramlage, S. Meyhofer, and R.W. Holl. 2022b. Dynamics of Hemoglobin A1c, Body Mass Index, and Rates of Severe Hypoglycemia in 4434 Adults with Type 1 or Type 2 Diabetes After Initiation of Continuous Glucose Monitoring. *Diabetes Technol Ther.* 24:763-769.
- Lanzinger, S., A. Zimmermann, A.G. Ranjan, O. Gani, S. Pons Perez, K. Akesson, S. Majidi, M. Witsch, S. Hofer, S. Johnson, K.A. Pilgaard, S.J. Kummernes, H. Robinson, K. Eeg-Olofsson, O. Ebekoziens, R.W. Holl, J. Svensson, T. Skrivarhaug, J. Warner, M.E. Craig, D. Maahs, D.R.o.C. Australasian Diabetes Data Network, D.p.f.-u.r.N.C.D.R.N.P.D.A.S.C.D.R.T.D.E.Q.I.C. Adolescent Diabetes, and S. initiative. 2022c. A collaborative comparison of international pediatric diabetes registries. *Pediatr Diabetes.* 23:627-640.
- Larsen, J.K., M.R. Larsen, J.B. Birk, D.E. Steenberg, J.R. Hingst, K. Hojlund, A. Chadt, H. Al-Hasani, A.S. Deshmukh, J.F.P. Wojtaszewski, and R. Kjobsted. 2022. Illumination of the Endogenous Insulin-Regulated TBC1D4 Interactome in Human Skeletal Muscle. *Diabetes.* 71:906-920.
- Lau, L.H.Y., J. Nano, C. Prehn, A. Cecil, W. Rathmann, T. Zeller, A. Lechner, J. Adamski, A. Peters, and B. Thorand. 2022. Associations of endogenous androgens and sex hormone-binding globulin with kidney function and chronic kidney disease. *Front Endocrinol (Lausanne).* 13:1000650.
- Laufs, U., A.L. Birkenfeld, U. Fraass, B. Hohenstein, C. Siegert, J. Klotsche, E. Steinhagen-Thiessen, D. Pittrow, S. Dexl, S. Salmen, V.J.J. Schettler, K.G. Parhofer, and P.-D.Y.S.S. Collaborators in the. 2022. Novel Insights into the Management of Patients with Very High Cardiovascular Risk Eligible for PCSK9 Inhibitor Treatment: Baseline Findings from the PERI-DYS Study. *Cardiovasc Drugs Ther.*
- Lautenbach, A., M. Wernecke, T.B. Huber, F. Stoll, J. Wagner, S.M. Meyhofer, S. Meyhofer, and J. Aberle. 2022. The Potential of Semaglutide Once-Weekly in Patients Without Type 2 Diabetes with Weight Regain or Insufficient Weight Loss After Bariatric Surgery-a Retrospective Analysis. *Obes Surg.* 32:3280-3288.
- Le Floch, E., T. Cosentino, C.K. Larsen, F. Beuschlein, M. Reincke, L. Amar, G.P. Rossi, K. De Sousa, S. Baron, S. Chantalat, B. Saintpierre, L. Lenzi, A. Frouin, I. Giscos-Douriez, M. Ferey, A.B. Abdellatif, T. Meatchi, J.P. Empana, X. Jouven, C. Gieger, M. Waldenberger, A. Peters, D. Cusi, E. Salvi, P. Meneton, M. Touvier, M. Deschasaux, N. Druesne-Pecollo, S. Boukroun, F.L. Fernandes-Rosa, J.F. Deleuze, X. Jeunemaitre, and M.C. Zennaro. 2022. Identification of risk loci for primary aldosteronism in genome-wide association studies. *Nat Commun.* 13:5198.
- Lehn-Stefan, A., A. Peter, J. Machann, F. Schick, E. Randrianarisoa, M. Heni, R. Wagner, A.L. Birkenfeld, A. Fritsche, M.B. Schulze, N. Stefan, and K. Kantartzis. 2022. Impaired Metabolic Health and Low Cardiorespiratory Fitness Independently Associate With Subclinical Atherosclerosis in Obesity. *J Clin Endocrinol Metab.* 107:e2417-e2424.
- Li, Y., Y. Cheng, F. Consolato, G. Schiano, M.R. Chong, M. Pietzner, N.Q.H. Nguyen, N. Scherer, M.L. Biggs, M.E. Kleber, S. Haug, B. Gocmen, M. Pigeyre, P. Sekula, I. Steinbrenner, P. Schlosser, C.B. Joseph, J.A. Brody, M.E. Grams, C. Hayward, U.T. Schultheiss, B.K. Kramer, F. Kronenberg, A. Peters, J. Seissler, D. Steubl, C. Then, M. Wuttke, W. Marz, K.U. Eckardt, C. Gieger, E. Boerwinkle, B.M. Psaty, J. Coresh, P.J. Oefner, G. Pare, C. Langenberg, J.E. Scherberich, B. Yu, S. Akilesh, O. Devuyst, L. Rampoldi, and A. Kottgen. 2022a. Genome-wide studies reveal factors associated with circulating uromodulin and its relationships to complex diseases. *JCI Insight.* 7.
- Li, Z., Y. Zhang, M. Hoene, L. Fritsche, S. Zheng, A. Birkenfeld, A. Fritsche, A. Peter, X. Liu, X. Zhao, L. Zhou, P. Luo, C. Weigert, X. Lin, G. Xu, and R. Lehmann. 2022b. Diagnostic Performance of Sex-Specific Modified Metabolite Patterns in Urine for Screening of Prediabetes. *Front Endocrinol (Lausanne).* 13:935016.

- Limbert, C., S. Lanzinger, C. deBeaufort, V. Iotova, J. Pelicand, M. Prieto, R. Schiaffini, Z. Sumnik, D. Pacaud, and S.S. Group. 2022. Diabetes-related antibody-testing is a valuable screening tool for identifying monogenic diabetes - A survey from the worldwide SWEET registry. *Diabetes Res Clin Pract.* 192:110110.
- Linder, T., D. Eppel, G. Kotzaeridi, I. Rosicky, G. Yerlikaya-Schatten, H. Kiss, K. Weisshaupt, W. Henrich, L. Bozkurt, A. Tura, M. Roden, and C.S. Gobl. 2022. Fatty liver indices and their association with glucose metabolism in pregnancy - An observational cohort study. *Diabetes Res Clin Pract.* 189:109942.
- Linnenkamp, U., G.G. Greiner, B. Haastert, H. Adamczewski, M. Kaltheuner, D. Weber, and A. Icks. 2022. Postpartum screening of women with GDM in specialised practices: Data from 12,991 women in the GestDiab register. *Diabet Med.* 39:e14861.
- Lippert, R.N., and J.C. Bruning. 2022. Maternal Metabolic Programming of the Developing Central Nervous System: Unified Pathways to Metabolic and Psychiatric Disorders. *Biol Psychiatry.* 91:898-906.
- Lisitsyna, A., F. Moritz, Y. Liu, L. Al Sadat, H. Hauner, M. Claussnitzer, P. Schmitt-Kopplin, and S. Forcisi. 2022. Feature Selection Pipelines with Classification for Non-targeted Metabolomics Combining the Neural Network and Genetic Algorithm. *Anal Chem.* 94:5474-5482.
- Liu, X., Z. Jin, S. Summers, D. Deros, M. Li, B. Li, L. Li, and J.R. Speakman. 2022. Calorie restriction and calorie dilution have different impacts on body fat, metabolism, behavior, and hypothalamic gene expression. *Cell Rep.* 39:110835.
- Loft, A., S.F. Schmidt, G. Caratti, U. Stifel, J. Havelund, R. Sekar, Y. Kwon, A. Sulaj, K.K. Chow, A.J. Alfaro, T. Schwarzmayr, N. Rittig, M. Svart, F.F. Tsokanos, A. Maida, A. Blutke, A. Feuchtinger, N. Moller, M. Bluher, P. Nawroth, J. Szendrodi, N.J. Faergeman, A. Zeigerer, J. Tuckermann, and S. Herzig. 2022. A macrophage-hepatocyte glucocorticoid receptor axis coordinates fasting ketogenesis. *Cell Metab.* 34:473-486 e479.
- Lopez-Gonzales, E., L. Lehmann, F.J. Ruiz-Ojeda, R. Hernandez-Bautista, I. Altun, Y. Onogi, A.E. Khalil, X. Liu, A. Israel, and S. Ussar. 2022. L-Serine Supplementation Blunts Fasting-Induced Weight Regain by Increasing Brown Fat Thermogenesis. *Nutrients.* 14.
- Ludwig, S., M. Distler, U. Schubert, J. Schmid, H. Thies, T. Welsch, S. Hempel, T. Tonn, J. Weitz, S.R. Bornstein, and B. Ludwig. 2022. Quality of life and metabolic outcomes after total pancreatectomy and simultaneous islet autotransplantation. *Commun Med (Lond).* 2:24.
- Lugara, R., S. Renner, E. Wolf, A. Liesegang, R. Bruckmaier, and K. Giller. 2022. Crossbred Sows Fed a Western Diet during Pre-Gestation, Gestation, Lactation, and Post-Lactation Periods Develop Signs of Lean Metabolic Syndrome That Are Partially Attenuated by Spirulina Supplementation. *Nutrients.* 14.
- Lutomska, L.M., V. Miok, N. Krahmer, I. Gonzalez Garcia, T. Gruber, O. Le Thuc, C.D. Murat, B. Legutko, M. Sterr, G. Saher, H. Lickert, T.D. Muller, S. Ussar, M.H. Tschop, D. Lutter, and C. Garcia-Caceres. 2022. Diet triggers specific responses of hypothalamic astrocytes in time and region dependent manner. *Glia.* 70:2062-2078.
- Lutz, S.Z., J. Hennenlotter, A. Franko, C. Dannecker, L. Fritsche, K. Kantartzis, R. Wagner, A. Peter, N. Stefan, A. Fritsche, T. Todenhofer, A. Stenzl, H.U. Haring, and M. Heni. 2022. Diabetes and the Prostate: Elevated Fasting Glucose, Insulin Resistance and Higher Levels of Adrenal Steroids in Prostate Cancer. *J Clin Med.* 11.
- Maalmi, H., C. Herder, G.J. Bonhof, K. Strassburger, O.P. Zaharia, W. Rathmann, V. Burkart, J. Szendroedi, M. Roden, D. Ziegler, and G.D.S. Group. 2022a. Differences in the prevalence of erectile dysfunction between novel subgroups of recent-onset diabetes. *Diabetologia.* 65:552-562.
- Maalmi, H., C. Herder, C. Huth, W. Rathmann, G.J. Bonhof, M. Heier, W. Koenig, M. Roden, A. Peters, D. Ziegler, and B. Thorand. 2022b. Effect of obesity on the associations of 25-hydroxyvitamin D with prevalent and incident distal sensorimotor polyneuropathy: population-based KORA F4/FF4 study. *Int J Obes (Lond).* 46:1366-1374.

- Machann, J., M. Hasenbalg, J. Dienes, R. Wagner, A. Sandforth, V. Fritz, A.L. Birkenfeld, K. Nikolaou, S. Kullmann, F. Schick, and M. Heni. 2022. Short-Term Variability of Proton Density Fat Fraction in Pancreas and Liver Assessed by Multiecho Chemical-Shift Encoding-Based MRI at 3 T. *J Magn Reson Imaging*. 56:1018-1026.
- Mahajan, A., C.N. Spracklen, W. Zhang, M.C.Y. Ng, L.E. Petty, H. Kitajima, G.Z. Yu, S. Rueger, L. Speidel, Y.J. Kim, M. Horikoshi, J.M. Mercader, D. Taliun, S. Moon, S.H. Kwak, N.R. Robertson, N.W. Rayner, M. Loh, B.J. Kim, J. Chiou, I. Miguel-Escalada, P. Della Briotta Parolo, K. Lin, F. Bragg, M.H. Preuss, F. Takeuchi, J. Nano, X. Guo, A. Lamri, M. Nakatochi, R.A. Scott, J.J. Lee, A. Huerta-Chagoya, M. Graff, J.F. Chai, E.J. Parra, J. Yao, L.F. Bielak, Y. Tabara, Y. Hai, V. Steinthorsdottir, J.P. Cook, M. Kals, N. Grarup, E.M. Schmidt, I. Pan, T. Sofer, M. Wuttke, C. Sarnowski, C. Gieger, D. Noursome, S. Trompet, J. Long, M. Sun, L. Tong, W.M. Chen, M. Ahmad, R. Noordam, V.J.Y. Lim, C.H.T. Tam, Y.Y. Joo, C.H. Chen, L.M. Raffield, C. Lecoeur, B.P. Prins, A. Nicolas, L.R. Yanek, G. Chen, R.A. Jensen, S. Tajuddin, E.K. Kabagambe, P. An, A.H. Xiang, H.S. Choi, B.E. Cade, J. Tan, J. Flanagan, F. Abaitua, L.S. Adair, A. Adeyemo, C.A. Aguilar-Salinas, M. Akiyama, S.S. Anand, A. Bertoni, Z. Bian, J. Bork-Jensen, I. Brandslund, J.A. Brody, C.M. Brummett, T.A. Buchanan, M. Canouil, J.C.N. Chan, L.C. Chang, M.L. Chee, J. Chen, S.H. Chen, Y.T. Chen, Z. Chen, L.M. Chuang, M. Cushman, et al. 2022. Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. *Nat Genet*. 54:560-572.
- Mahmood, L., E.M. Gonzalez-Gil, P. Schwarz, S. Herrmann, E. Karaglani, G. Cardon, F. De Vylder, R. Willems, K. Makrilakis, S. Liatis, V. Iotova, K. Tsochev, T. Tankova, I. Rurik, S. Rado, L.A. Moreno, Y. Manios, and G. Feel4Diabetes-Study. 2022. Frequency of family meals and food consumption in families at high risk of type 2 diabetes: the Feel4Diabetes-study. *Eur J Pediatr*. 181:2523-2534.
- Maifeld, A., J. Wild, T.V. Karlsen, N. Rakova, E. Wistorf, P. Linz, R. Jung, A. Birukov, V.A. Gimenez-Rivera, N. Wilck, T. Bartolomaeus, R. Dechend, M. Kleinewietfeld, S.K. Forslund, A. Krause, G. Kokolakis, S. Philipp, B.E. Clausen, A. Brand, A. Waisman, F.C. Kurschus, J. Wegner, M. Schultheis, F.C. Luft, M. Boschmann, M. Kelm, H. Wiig, T. Kuehne, D.N. Muller, S. Karbach, and L. Marko. 2022. Skin Sodium Accumulates in Psoriasis and Reflects Disease Severity. *J Invest Dermatol*. 142:166-178 e168.
- Maity-Kumar, G., L. Stander, M. DeAngelis, S. Lee, A. Molenaar, L. Becker, L. Garrett, O.V. Amerie, S.M. Hoelter, W. Wurst, H. Fuchs, A. Feuchtinger, V. Gailus-Durner, C. Garcia-Caceres, A.E. Othman, C. Brockmann, V.I. Schoffling, K. Beiser, H. Krude, P.A. Mroz, S. Hofmann, J. Tuckermann, R.D. DiMarchi, M. Hrabe de Angelis, M.H. Tschop, P.T. Pfluger, and T.D. Muller. 2022. Validation of Mct8/Oatp1c1 dKO mice as a model organism for the Allan-Herndon-Dudley Syndrome. *Mol Metab*. 66:101616.
- Markus, M.R.P., and M. Dorr. 2022. Heart sweet heart: cardiac long-term effects of sugar kisses. *Eur J Prev Cardiol*. 29:1529-1530.
- Mateus Brandao, L.E., D. Espes, J.O. Westholm, T. Martikainen, N. Westerlund, L. Lampola, A. Popa, H. Vogel, A. Schurmann, S.L. Dickson, C. Benedict, and J. Cedernaes. 2022. Acute sleep loss alters circulating fibroblast growth factor 21 levels in humans: A randomised crossover trial. *J Sleep Res*. 31:e13472.
- Matos Fialho, P.M., L. Gunther, E. Schmitz, J. Trummel, S. Willemsen, M. Vomhof, A. Icks, A. Lang, O. Kuss, S. Weyers, and C.R. Pischke. 2022. Effects of the Population-Based "10,000 Steps Duesseldorf" Intervention for Promoting Physical Activity in Community-Dwelling Adults: Protocol for a Nonrandomized Controlled Trial. *JMIR Res Protoc*. 11:e39175.
- Matsushita, M., M. Awazawa, N. Kobayashi, Y.M. Ikushima, K. Soeda, M. Tamura-Nakano, M. Muratani, K. Kobayashi, M. Bluher, J.C. Bruning, and K. Ueki. 2022. An antisense transcript transcribed from Irs2 locus contributes to the pathogenesis of hepatic steatosis in insulin resistance. *Cell Chem Biol*. 29:680-689 e686.
- Mejhert, N., K.R. Gabriel, S. Frendo-Cumbo, N. Krahmer, J. Song, L. Kuruvilla, C. Chitraju, S. Boland, D.K. Jang, M. von Grotthuss, M.C. Costanzo, M. Ryden, J.A. Olzmann, J. Flannick, N.P. Burt, R.V. Farese, Jr., and T.C. Walther. 2022. The Lipid Droplet Knowledge Portal: A resource for systematic analyses of lipid droplet biology. *Dev Cell*. 57:387-397 e384.

- Meusel, M., J. Voss, A. Krapalis, F. Machleidt, R. Vonthein, M. Hallschmid, and F. Sayk. 2022. Intranasal orexin A modulates sympathetic vascular tone: a pilot study in healthy male humans. *J Neurophysiol.* 127:548-558.
- Meyer, N.M.T., S. Kabisch, U. Dambeck, C. Honsek, M. Kemper, C. Gerbracht, A.M. Arafat, A.L. Birkenfeld, P.E.H. Schwarz, J. Machann, M.A. Osterhoff, M.O. Weickert, and A.F.H. Pfeiffer. 2022. Low IGF1 and high IGFBP1 predict diabetes onset in prediabetic patients. *Eur J Endocrinol.* 187:555-565.
- Meyhofer, S. 2022a. [53/f-Nausea, vomiting, polydipsia and polyuria : Preparation for the medical specialist examination: part 102]. *Internist (Berl).* 63:11-14.
- Meyhofer, S. 2022b. [93/f-Sudden indisposition, confusion and cold sweat : Preparation for the medical specialist examination: part 119]. *Internist (Berl).* 63:95-98.
- Meyhofer, S., K. Dembinski, B. Schultes, J. Born, B. Wilms, H. Lehnert, M. Hallschmid, and S.M. Meyhofer. 2022a. Sleep deprivation prevents counterregulatory adaptation to recurrent hypoglycaemia. *Diabetologia.* 65:1212-1221.
- Meyhofer, S., A.J. Eckert, M. Hummel, M. Laimer, M. Roden, S. Kress, J. Seufert, S.M. Meyhofer, and R.W. Holl. 2022b. Elevated liver enzymes and comorbidities in type 2 diabetes: A multicentre analysis of 51 645 patients from the Diabetes Prospective Follow-up (DPV) database. *Diabetes Obes Metab.* 24:727-732.
- Meyhofer, S., B. Wilms, R. Chamorro, A. Knaak, E. Pappa, A.S. Schulz, A.J. Pagels, M. Schroder, N. Kaluzny, H.J. Grein, and S.M. Meyhofer. 2022c. Metabolic Status Modulates Choroidal Thickness - A Possible Early Indicator for Diabetic Eye Complications? *Exp Clin Endocrinol Diabetes.* 130:789-792.
- Milaneschi, Y., M. Arnold, G. Kastenmuller, S.M. Dehkordi, R.R. Krishnan, B.W. Dunlop, A.J. Rush, B. Penninx, R. Kaddurah-Daouk, and C. Mood Disorders Precision Medicine. 2022. Genomics-based identification of a potential causal role for acylcarnitine metabolism in depression. *J Affect Disord.* 307:254-263.
- Milek, M., Y. Moulla, M. Kern, C. Stroh, A. Dietrich, M.R. Schon, D. Gartner, T. Lohmann, M. Dressler, P. Kovacs, M. Stumvoll, M. Bluher, and E. Guiu-Jurado. 2022. Adipsin Serum Concentrations and Adipose Tissue Expression in People with Obesity and Type 2 Diabetes. *Int J Mol Sci.* 23.
- Milenkovic, D., A. Sanz-Moreno, J. Calzada-Wack, B. Rathkolb, O. Veronica Amarie, R. Gerlini, A. Aguilar-Pimentel, J. Mistic, M.L. Simard, E. Wolf, H. Fuchs, V. Gailus-Durner, M.H. de Angelis, and N.G. Larsson. 2022. Mice lacking the mitochondrial exonuclease MGME1 develop inflammatory kidney disease with glomerular dysfunction. *PLoS Genet.* 18:e1010190.
- Minafra, A.R., A. Chadt, P. Rafii, H. Al-Hasani, K. Behnke, and J. Scheller. 2022. Interleukin 6 receptor is not directly involved in regulation of body weight in diet-induced obesity with and without physical exercise. *Front Endocrinol (Lausanne).* 13:1028808.
- Mirza-Schreiber, N., M. Zech, R. Wilson, T. Brunet, M. Wagner, R. Jech, S. Boesch, M. Skorvanek, J. Necpal, D. Weise, S. Weber, B. Mollenhauer, C. Trenkwalder, E.M. Maier, I. Borggraefe, K. Vill, A. Hackenberg, V. Pilshofer, U. Kotzaeridou, E.M.C. Schwaibold, J. Hoefele, M. Waldenberger, C. Gieger, A. Peters, T. Meitinger, B. Schormair, J. Winkelmann, and K. Oexle. 2022. Blood DNA methylation provides an accurate biomarker of KMT2B-related dystonia and predicts onset. *Brain.* 145:644-654.
- Monroy Kuhn, J.M., V. Miok, and D. Lutter. 2022. Correlation-guided Network Integration (CoNI), an R package for integrating numerical omics data that allows multiform graph representations to study molecular interaction networks. *Bioinform Adv.* 2:vbac042.
- Monzer, N.L., M. Hartmann, M. Buckert, K. Wolff, P. Nawroth, S. Kopf, Z. Kender, H.C. Friederich, and B. Wild. 2022. The cardiac autonomic response to acute psychological stress in type 2 diabetes. *PLoS One.* 17:e0265234.
- Morettini, M., M.C. Palumbo, C. Gobl, L. Burattini, Y. Karusheva, M. Roden, G. Pacini, and A. Tura. 2022. Mathematical model of insulin kinetics accounting for the amino acids effect during a mixed meal tolerance test. *Front Endocrinol (Lausanne).* 13:966305.

- Morgalla, M.H., H. Fritschle, A. Vosseler, C. Benkendorff, A. Lamprinou, M. Heni, and A. Fritsche. 2022. Influence of Spinal Cord Stimulation on Insulin Sensitivity in Chronic Pain Patients. *Exp Clin Endocrinol Diabetes*. 130:17-21.
- Moruzzi, N., I. Valladolid-Acebes, S.A. Kannabiran, S. Bulgaro, I. Burtscher, B. Leibiger, I.B. Leibiger, P.O. Berggren, and K. Brismar. 2022. Mitochondrial impairment and intracellular reactive oxygen species alter primary cilia morphology. *Life Sci Alliance*. 5.
- Muller-Eigner, A., A. Sanz-Moreno, I. de-Diego, A.V. Venkatasubramani, M. Langhammer, R. Gerlini, B. Rathkolb, A. Aguilar-Pimentel, T. Klein-Rodewald, J. Calzada-Wack, L. Becker, S. Palma-Vera, B. Gille, I. Forne, A. Imhof, C. Meng, C. Ludwig, F. Koch, J.T. Heiker, A. Kuhla, V. Caton, J. Brenmoehl, H. Reyer, J. Schoen, H. Fuchs, V. Gailus-Durner, A. Hoeflich, M.H. de Angelis, and S. Peleg. 2022. Dietary intervention improves health metrics and life expectancy of the genetically obese Titan mouse. *Commun Biol*. 5:408.
- Muller, G.A., and T.D. Muller. 2022. Biological Role of the Intercellular Transfer of Glycosylphosphatidylinositol-Anchored Proteins: Stimulation of Lipid and Glycogen Synthesis. *Int J Mol Sci*. 23.
- Muller, S.J., V. Teckentrup, I. Rebollo, M. Hallschmid, and N.B. Kroemer. 2022a. Vagus nerve stimulation increases stomach-brain coupling via a vagal afferent pathway. *Brain Stimul*. 15:1279-1289.
- Muller, T.D., M. Bluher, M.H. Tschop, and R.D. DiMarchi. 2022b. Anti-obesity drug discovery: advances and challenges. *Nat Rev Drug Discov*. 21:201-223.
- Muller, T.D., and M.H. Tschop. 2022. Gut-hormone triple agonists: clinical safety and metabolic benefits. *Lancet*. 400:1826-1828.
- Murillo, K., A. Samigullin, P.M. Humpert, T. Fleming, K. Ozer, A. Schlotterer, H.P. Hammes, and M. Morcos. 2022. Protective Effects of Transient Glucose Exposure in Adult *C. elegans*. *Antioxidants (Basel)*. 11.
- Muskiet, M.H.A., L. Tonneijck, M.M. Smits, M.H.H. Kramer, D.M. Ouwens, B. Hartmann, J.J. Holst, A.H.J. Danser, J.A. Joles, and D.H. van Raalte. 2022. Postprandial renal haemodynamic effects of the dipeptidyl peptidase-4 inhibitor linagliptin versus the sulphonylurea glimepiride in adults with type 2 diabetes (RENALIS): A predefined substudy of a randomized, double-blind trial. *Diabetes Obes Metab*. 24:115-124.
- Naeem, M., M.R.P. Markus, M. Mousa, S. Schipf, M. Dorr, A. Steveling, A. Aghdassi, J.P. Kuhn, M.L. Kromrey, M. Nauck, G. Targher, H. Volzke, and T. Ittermann. 2022a. Associations of liver volume and other markers of hepatic steatosis with all-cause mortality in the general population. *Liver Int*. 42:575-584.
- Naeem, M., S. Schipf, R. Bulow, N. Werner, M. Dorr, M.M. Lerch, J.P. Kuhn, W. Rathmann, M. Nauck, M.R. Paulista Markus, G. Targher, T. Ittermann, and H. Volzke. 2022b. Association between hepatic iron overload assessed by magnetic resonance imaging and glucose intolerance states in the general population. *Nutr Metab Cardiovasc Dis*. 32:1470-1476.
- Nano, J., B. Schottker, J.S. Lin, C. Huth, M. Ghanbari, P.M. Garcia, H. Maalmi, S. Karrasch, W. Koenig, D. Rothenbacher, M. Roden, C. Meisinger, A. Peters, H. Brenner, C. Herder, and B. Thorand. 2022. Novel biomarkers of inflammation, kidney function and chronic kidney disease in the general population. *Nephrol Dial Transplant*. 37:1916-1926.
- Narres, M., H. Claessen, T. Kvitkina, J. Rosenbauer, M. Scheider, S. Morbach, and A. Icks. 2022a. Hospitalisation rate and mortality among people with and without diabetes during the COVID-19 pandemic year 2020. *Eur J Epidemiol*. 37:587-590.
- Narres, M., T. Kvitkina, H. Claessen, E. Ubach, G. Wolff, M.I. Metzendorf, B. Richter, and A. Icks. 2022b. Incidence of myocardial infarction in people with diabetes compared to those without diabetes: a systematic review protocol. *Syst Rev*. 11:89.
- Nati, M., K.J. Chung, and T. Chavakis. 2022. The Role of Innate Immune Cells in Nonalcoholic Fatty Liver Disease. *J Innate Immun*. 14:31-41.

- Nemeth, A., M. Mustafi, G. Friedel, M. Sayer, N. Heyne, C. Schlensak, F. Artunc, and V. Steger. 2022. Thoracoscopic mesh implantation as a definitive treatment approach for peritoneal dialysis-associated hydrothorax. *Updates Surg.* 74:2011-2017.
- Nezhad, F.Y., A. Riermeier, M. Schonfelder, L. Becker, M.H. de Angelis, and H. Wackerhage. 2022. Skeletal muscle phenotyping of Hippo gene-mutated mice reveals that Lats1 deletion increases the percentage of type I muscle fibers. *Transgenic Res.* 31:227-237.
- Ni, W., K. Wolf, S. Breitner, S. Zhang, N. Nikolaou, C.K. Ward-Caviness, M. Waldenberger, C. Gieger, A. Peters, and A. Schneider. 2022. Higher Daily Air Temperature Is Associated with Shorter Leukocyte Telomere Length: KORA F3 and KORA F4. *Environ Sci Technol.* 56:17815-17824.
- Niemann, B., S. Haufs-Brusberg, L. Puetz, M. Feickert, M.Y. Jaeckstein, A. Hoffmann, J. Zurkovic, M. Heine, E.M. Trautmann, C.E. Muller, A. Tonjes, C. Schlein, A. Jafari, H.K. Eltzschig, T. Gnad, M. Bluher, N. Kraemer, P. Kovacs, J. Heeren, and A. Pfeifer. 2022. Apoptotic brown adipocytes enhance energy expenditure via extracellular inosine. *Nature.* 609:361-368.
- Oehler, D., A. Sychala, A. Godecke, A. Lang, N. Gerdes, J. Ruas, M. Kelm, J. Szendroedi, and R. Westenfeld. 2022. Full-length transcriptomic analysis in murine and human heart reveals diversity of PGC-1 $\alpha$  promoters and isoforms regulated distinctly in myocardial ischemia and obesity. *BMC Biol.* 20:169.
- Oest, L., M. Roden, and K. Mussig. 2022. Comparison of patient characteristics between East Asian and non-East Asian patients with insulin autoimmune syndrome. *Clin Endocrinol (Oxf).* 96:328-338.
- Oh, R.Y., A.R. Deshwar, A. Marwaha, N. Sabha, M. Tropak, H. Hou, K.E. Yuki, M.D. Wilson, P. Rump, R. Lusing, N. Elserafy, C.W.T. Chung, S. Hewson, T. Klein-Rodewald, J. Calzada-Wack, A. Sanz-Moreno, M. Kraiger, S. Marschall, H. Fuchs, V. Gailus-Durner, M. Hrabe de Angelis, J. Dowling, and A. Schulze. 2022. Biallelic loss-of-function variants in RABGAP1 cause a novel neurodevelopmental syndrome. *Genet Med.* 24:2399-2407.
- Onogi, Y., and S. Ussar. 2022a. Is epiploic fat the dermal fat of the intestine? *Gut.* 71:2147-2148.
- Onogi, Y., and S. Ussar. 2022b. Regulatory networks determining substrate utilization in brown adipocytes. *Trends Endocrinol Metab.* 33:493-506.
- Oquendo, M.B., E. Lorza-Gil, D. Juarez-Lopez, R. Wagner, A.L. Birkenfeld, S. Ullrich, and F. Gerst. 2022. Effects of adrenergic-stimulated lipolysis and cytokine production on in vitro mouse adipose tissue-islet interactions. *Sci Rep.* 12:15831.
- Oster, M., M. Galhuber, J. Krstic, J.S. Steinhoff, G. Lenihan-Geels, S. Wulff, M.F. Kiefer, K.M. Petricek, S.J. Wowro, R.E. Flores, N. Yang, C. Li, Y. Meng, I. Reinisch, M. Sommerfeld, S. Weger, H. Habisch, T. Madl, T.J. Schulz, A. Prokesch, and M. Schupp. 2022. Hepatic p53 is regulated by transcription factor FOXO1 and acutely controls glycogen homeostasis. *J Biol Chem.* 298:102287.
- Ouwens, D.M., M. Hewera, G. Li, W. Di, S. Muhammad, D. Hanggi, H.J. Steiger, C.A. Dumitru, E. Sandalcioglu, R.S. Croner, W. Zhang, O. Kakhlon, and U.D. Kahlert. 2022. Canonical WNT pathway inhibition reduces ATP synthesis rates in glioblastoma stem cells. *Front Biosci (Landmark Ed).* 27:35.
- Padovani, F., B. Mairhormann, P. Falter-Braun, J. Lengefeld, and K.M. Schmoller. 2022. Segmentation, tracking and cell cycle analysis of live-cell imaging data with Cell-ACDC. *BMC Biol.* 20:174.
- Pafili, K., S. Kahl, L. Mastrototaro, K. Strassburger, D. Pesta, C. Herder, J. Putzer, B. Dewidar, M. Hendlinger, C. Granata, N. Saatmann, A. Yavas, S. Gancheva, G. Heilmann, I. Esposito, M. Schlensak, and M. Roden. 2022a. Mitochondrial respiration is decreased in visceral but not subcutaneous adipose tissue in obese individuals with fatty liver disease. *J Hepatol.* 77:1504-1514.
- Pafili, K., S.A. Paschou, E. Armeni, S.A. Polyzos, D.G. Goulis, and I. Lambrinoudaki. 2022b. Non-alcoholic fatty liver disease through the female lifespan: the role of sex hormones. *J Endocrinol Invest.* 45:1609-1623.
- Papachristou, S., K. Pafili, G. Trypsianis, D. Papazoglou, K. Vadikolias, and N. Papanas. 2022a. Correlation Between Skin Advanced Glycation End Products and Cardiac Autonomic Neuropathy Among Subjects with Type 2 Diabetes Mellitus. *Exp Clin Endocrinol Diabetes.* 130:767-772.



- Papachristou, S., K. Pafili, G. Trypsianis, D. Papazoglou, K. Vadikolias, and N. Papanas. 2022b. Skin advanced glycation end products as a screening tool of neuropathy in type 2 diabetes mellitus. *J Diabetes Complications*. 36:108356.
- Papadopoulos, A., K. Palaiopoulos, H. Bjorkbacka, A. Peters, J.A. de Lemos, S. Seshadri, M. Dichgans, and M.K. Georgakis. 2022. Circulating Interleukin-6 Levels and Incident Ischemic Stroke: A Systematic Review and Meta-analysis of Prospective Studies. *Neurology*. 98:e1002-e1012.
- Parhofer, K.G., A.L. Birkenfeld, W. Krone, M. Lehrke, N. Marx, M. Merkel, K.S. Schutt, A. Zirlik, and D. Muller-Wieland. 2022. Position Paper on Lipid Therapy in Patients with Diabetes Mellitus. *Exp Clin Endocrinol Diabetes*. 130:S117-S122.
- Parikh, S., R. Parikh, K. Michael, L. Bikovski, G. Barnabas, M. Mardamshina, R. Hemi, P. Manich, N. Goldstein, H. Malcov-Brog, T. Ben-Dov, O. Glaich, D. Liber, Y. Bornstein, K. Goltseker, R. Ben-Bezael, M. Pavlovsky, T. Golan, L. Spitzer, H. Matz, P. Gonen, R. Percik, L. Leibou, T. Perluk, G. Ast, J. Frand, R. Brenner, T. Ziv, M. Khaled, S. Ben-Eliyahu, S. Barak, O. Karnieli-Miller, E. Levin, Y. Gepner, R. Weiss, P. Pfluger, A. Weller, and C. Levy. 2022. Food-seeking behavior is triggered by skin ultraviolet exposure in males. *Nat Metab*. 4:883-900.
- Patsenker, E., V.R. Thangapandi, O. Knittelfelder, A. Palladini, M. Hefti, J. Beil-Wagner, G. Rogler, T. Buch, A. Shevchenko, J. Hampe, and F. Stickel. 2022. The PNPLA3 variant I148M reveals protective effects toward hepatocellular carcinoma in mice via restoration of omega-3 polyunsaturated fats. *J Nutr Biochem*. 108:109081.
- Pawliczek, D., H. Fuchs, V. Gailus-Durner, M.H. de Angelis, R. Quinlan, J. Graw, and C. Dalke. 2022. On the Nature of Murine Radiation-Induced Subcapsular Cataracts: Optical Coherence Tomography-Based Fine Classification, In Vivo Dynamics and Impact on Visual Acuity. *Radiat Res*. 197:7-21.
- Pazur, K., I. Giannios, M. Lesche, E. Rodriguez-Aznar, and A. Gavalas. 2022. Hoxb1 Regulates Distinct Signaling Pathways in Neuromesodermal and Hindbrain Progenitors to Promote Cell Survival and Specification. *Stem Cells*. 40:175-189.
- Pedron, S., M. Hanselmann, J. Burns, A. Rich, A. Peters, M. Heier, L. Schwettmann, J.H. Bor, T. Barnighausen, and M. Laxy. 2022. The effect of population-based blood pressure screening on long-term cardiometabolic morbidity and mortality in Germany: A regression discontinuity analysis. *PLoS Med*. 19:e1004151.
- Pellegata, N.S., M. Berriel Diaz, M. Rohm, and S. Herzig. 2022. Obesity and cancer-extracellular matrix, angiogenesis, and adrenergic signaling as unusual suspects linking the two diseases. *Cancer Metastasis Rev*. 41:517-547.
- Perakakis, N., A. Barthel, and S.R. Bornstein. 2022. The Role of Endocrine and Metabolic System in COVID-19 Disease - The Transcampus Experience and Review of Evidence From International Collaborating Groups. *Horm Metab Res*. 54:494-495.
- Pesta, D., and J. Jordan. 2022. Macronutrient composition and metabolic regulation: Do our islets care what we eat? *Acta Physiol (Oxf)*. 236:e13895.
- Petrus, P., M. Cervantes, M. Samad, T. Sato, A. Chao, S. Sato, K.B. Koronowski, G. Park, Y. Alam, N. Mejhert, M.M. Seldin, J.M. Monroy Kuhn, K.A. Dyar, D. Lutter, P. Baldi, P. Kaiser, C. Jang, and P. Sassone-Corsi. 2022. Tryptophan metabolism is a physiological integrator regulating circadian rhythms. *Mol Metab*. 64:101556.
- Petzold, T., Z. Zhang, I. Ballesteros, I. Saleh, A. Polzin, M. Thienel, L. Liu, Q. Ul Ain, V. Ehreiser, C. Weber, B. Kilani, P. Mertsch, J. Gotschke, S. Cremer, W. Fu, M. Lorenz, H. Ishikawa-Ankerhold, E. Raatz, S. El-Nemr, A. Grolach, E. Marhuenda, K. Stark, J. Pircher, D. Stegner, C. Gieger, M. Schmidt-Supprian, F. Gaertner, I. Almendros, M. Kelm, C. Schulz, A. Hidalgo, and S. Massberg. 2022. Neutrophil "plucking" on megakaryocytes drives platelet production and boosts cardiovascular disease. *Immunity*. 55:2285-2299 e2287.

- Pigazzani, F., D. Gorni, K.A. Dyar, M. Pedrelli, G. Kennedy, G. Costantino, A. Bruno, I. Mackenzie, T.M. MacDonald, U.J.F. Tietge, and J. George. 2022. The Prognostic Value of Derivatives-Reactive Oxygen Metabolites (d-ROMs) for Cardiovascular Disease Events and Mortality: A Review. *Antioxidants (Basel)*. 11.
- Pitchika, A., M.R.P. Markus, S. Schipf, A. Teumer, S. Van der Auwera, M. Nauck, M. Dorr, S. Felix, H.J. Grabe, H. Volzke, and T. Ittermann. 2022a. Effects of Apolipoprotein E polymorphism on carotid intima-media thickness, incident myocardial infarction and incident stroke. *Sci Rep*. 12:5142.
- Pitchika, A., M.R.P. Markus, S. Schipf, A. Teumer, S. Van der Auwera, M. Nauck, M. Dorr, S. Felix, H. Jorgen Grabe, H. Volzke, and T. Ittermann. 2022b. Longitudinal association of Apolipoprotein E polymorphism with lipid profile, type 2 diabetes and metabolic syndrome: Results from a 15 year follow-up study. *Diabetes Res Clin Pract*. 185:109778.
- Pitsillos, T., A.K. Wikstrom, A. Skalkidou, B. Derntl, M. Hallschmid, N.D. Lutz, E. Ngai, I. Sundstrom Poromaa, and A. Wikman. 2021. Association Between Objectively Assessed Sleep and Depressive Symptoms During Pregnancy and Post-partum. *Front Glob Womens Health*. 2:807817.
- Ponce-de-Leon, M., J. Linseisen, A. Peters, B. Linkohr, M. Heier, H. Grallert, B. Schottker, K. Trares, M. Bhardwaj, X. Gao, H. Brenner, K.A. Kaminski, M. Paniczko, I. Kowalska, S.E. Baumeister, and C. Meisinger. 2022. Novel associations between inflammation-related proteins and adiposity: A targeted proteomics approach across four population-based studies. *Transl Res*. 242:93-104.
- Pop-Busui, R., L. Ang, A.J.M. Boulton, E.L. Feldman, R.L. Marcus, K. Mizokami-Stout, J.R. Singleton, and D. Ziegler. 2022. In Diagnosis and Treatment of Painful Diabetic Peripheral Neuropathy, Arlington (VA).
- Portero, V., T. Nicol, S. Podliesna, G.A. Marchal, A. Baartscheer, S. Casini, R. Tadros, J.L. Treur, M.W.T. Tanck, I.J. Cox, F. Probert, T.A. Hough, S. Falcone, L. Beekman, M. Muller-Nurasyid, G. Kastenmuller, C. Gieger, A. Peters, S. Kaab, M.F. Sinner, A. Blease, A.O. Verkerk, C.R. Bezzina, P.K. Potter, and C.A. Remme. 2022. Chronically elevated branched chain amino acid levels are pro-arrhythmic. *Cardiovasc Res*. 118:1742-1757.
- Portilla-Fernandez, E., D. Klarin, S.J. Hwang, M.L. Biggs, J.C. Bis, S. Weiss, S. Rospleszcz, P. Natarajan, U. Hoffmann, I.S. Rogers, Q.A. Truong, U. Volker, M. Dorr, R. Bulow, M.H. Criqui, M. Allison, S.K. Ganesh, J. Yao, M. Waldenberger, F. Bamberg, K.M. Rice, J. Essers, D.M.C. Kapteijn, S.W. van der Laan, R.J. de Knecht, M. Ghanbari, J.F. Felix, M.A. Ikram, M. Kavousi, A.G. Uitterlinden, A.J.M. Roks, A.H.J. Danser, P.S. Tsao, S.M. Damrauer, X. Guo, J.I. Rotter, B.M. Psaty, S. Kathiresan, H. Volzke, A. Peters, C. Johnson, K. Strauch, T. Meitinger, C.J. O'Donnell, A. Dehghan, and V.A.M.V. Program. 2022. Genetic and clinical determinants of abdominal aortic diameter: genome-wide association studies, exome array data and Mendelian randomization study. *Hum Mol Genet*. 31:3566-3579.
- Pott, J., T. Garcia, S.M. Hauck, A. Petrera, K. Wirkner, M. Loeffler, H. Kirsten, A. Peters, and M. Scholz. 2022. Genetically regulated gene expression and proteins revealed discordant effects. *PLoS One*. 17:e0268815.
- Potzel, A.L., C. Gar, F. Banning, V. Sacco, A. Fritsche, L. Fritsche, K. Mussig, L. Dauben, J. Seissler, and A. Lechner. 2022. A novel smartphone app to change risk behaviors of women after gestational diabetes: A randomized controlled trial. *PLoS One*. 17:e0267258.
- Prada, M., C. Wittenbecher, F. Eichelmann, A. Wernitz, O. Kuxhaus, J. Kroger, C. Weikert, and M.B. Schulze. 2022. Plasma Industrial and Ruminant Trans Fatty Acids and Incident Type 2 Diabetes in the EPIC-Potsdam Cohort. *Diabetes Care*. 45:845-853.
- Prahalad, P., A. Schwandt, S. Besancon, M. Mohan, B. Obermannova, M. Kershaw, R. Bonfanti, A.P. Lycka, R. Hanas, K. Casteels, and S.S. Group. 2022. Hemoglobin A1c trajectories in the first 18 months after diabetes diagnosis in the SWEET diabetes registry. *Pediatr Diabetes*. 23:228-236.

- Prigge, R., J.A. McKnight, S.H. Wild, A. Haynes, T.W. Jones, E.A. Davis, B. Rami-Merhar, M. Fritsch, C. Prchla, A. Lavens, K. Doggen, S. Chao, R. Aronson, R. Brown, E.H. Ibfelt, J. Svensson, R. Young, J.T. Warner, H. Robinson, T. Laatikainen, P. Rautiainen, B. Delemer, P.F. Souchon, A.M. Diallo, R.W. Holl, S.M. Schmid, K. Raile, S. Tigas, A. Bargiota, I. Zografou, A.O.Y. Luk, J.C.N. Chan, S.F. Dinneen, C.M. Buckley, O. Kgosidialwa, V. Cherubini, R. Gesuita, I. Strele, S. Pildava, H. Veeze, H.J. Aanstoot, D. Mul, C. Jefferies, J.G. Cooper, K.F. Lovaas, T. Battelino, K. Dovc, N. Bratina, K. Eeg-Olofsson, A.M. Svensson, S. Gudbjornsdottir, E. Globa, and N. Zelinska. 2022. International comparison of glycaemic control in people with type 1 diabetes: an update and extension. *Diabet Med.* 39:e14766.
- Prystupa, K., R. Renklint, Y. Chninou, J. Otten, L. Fritsche, S. Hoerber, A. Peter, A.L. Birkenfeld, A. Fritsche, M. Heni, and R. Wagner. 2022. Comprehensive validation of fasting-based and oral glucose tolerance test-based indices of insulin secretion against gold standard measures. *BMJ Open Diabetes Res Care.* 10.
- Qin, N., E. Paisana, M. Langini, D. Picard, B. Malzkorn, C. Custodia, R. Cascao, F.D. Meyer, L. Blumel, S. Gobbels, K. Taban, J. Bartl, N. Bechmann, C. Conrad, J. Gravemeyer, J.C. Becker, A. Stefanski, S. Puget, J.T. Barata, K. Stuhler, U. Fischer, J. Felsberg, O. Ayrault, G. Reifenberger, A. Borkhardt, G. Eisenhofer, C.C. Faria, and M. Remke. 2022. Intratumoral heterogeneity of MYC drives medulloblastoma metastasis and angiogenesis. *Neuro Oncol.* 24:1509-1523.
- Quarta, C., K. Stemmer, A. Novikoff, B. Yang, F. Klingelhuber, A. Harger, M. Bakhti, A. Bastidas-Ponce, E. Bauge, J.E. Campbell, M. Capozzi, C. Clemmensen, G. Collden, P. Cota, J. Douros, D.J. Drucker, B. DuBois, A. Feuchtinger, C. Garcia-Caceres, G. Grandl, N. Hennuyer, S. Herzig, S.M. Hofmann, P.J. Knerr, K. Kulaj, F. Lalloyer, H. Lickert, A. Liskiewicz, D. Liskiewicz, G. Maity, D. Perez-Tilve, S. Prakash, M.A. Sanchez-Garrido, Q. Zhang, B. Staels, N. Krahmer, R.D. DiMarchi, M.H. Tschop, B. Finan, and T.D. Muller. 2022. GLP-1-mediated delivery of tesaglitazar improves obesity and glucose metabolism in male mice. *Nat Metab.* 4:1071-1083.
- Rahman, M., M. Irmeler, M. Inrona, J. Beckers, L. Palmberg, G. Johanson, S. Upadhyay, and K. Ganguly. 2022. Insight into the pulmonary molecular toxicity of heated tobacco products using human bronchial and alveolar mucosa models at air-liquid interface. *Sci Rep.* 12:16396.
- Ramdas, S., J. Judd, S.E. Graham, S. Kanoni, Y. Wang, I. Surakka, B. Wenz, S.L. Clarke, A. Chesi, A. Wells, K.F. Bhatti, S. Vedantam, T.W. Winkler, A.E. Locke, E. Marouli, G.J.M. Zajac, K.H. Wu, I. Ntalla, Q. Hui, D. Klarin, A.T. Hilliard, Z. Wang, C. Xue, G. Thorleifsson, A. Helgadottir, D.F. Gudbjartsson, H. Holm, I. Olafsson, M.Y. Hwang, S. Han, M. Akiyama, S. Sakaue, C. Terao, M. Kanai, W. Zhou, B.M. Brumpton, H. Rasheed, A.S. Havulinna, Y. Vaturi, J.A. Pacheco, E.A. Rosenthal, T. Lingren, Q. Feng, I.J. Kullo, A. Narita, J. Takayama, H.C. Martin, K.A. Hunt, B. Trivedi, J. Haessler, F. Giulianini, Y. Bradford, J.E. Miller, A. Campbell, K. Lin, I.Y. Millwood, A. Rasheed, G. Hindy, J.D. Faul, W. Zhao, D.R. Weir, C. Turman, H. Huang, M. Graff, A. Choudhury, D. Sengupta, A. Mahajan, M.R. Brown, W. Zhang, K. Yu, E.M. Schmidt, A. Pandit, S. Gustafsson, X. Yin, J. Luan, J.H. Zhao, F. Matsuda, H.M. Jang, K. Yoon, C. Medina-Gomez, A. Pitsillides, J.J. Hottenga, A.R. Wood, Y. Ji, Z. Gao, S. Haworth, R.E. Mitchell, J.F. Chai, M. Aadahl, A.A. Bjerregaard, J. Yao, A. Manichaikul, W.J. Lee, C.A. Hsiung, H.R. Warren, J. Ramirez, J. Bork-Jensen, L.L. Karhus, A. Goel, M. Sabater-Lleal, et al. 2022. A multi-layer functional genomic analysis to understand noncoding genetic variation in lipids. *Am J Hum Genet.* 109:1366-1387.
- Ramirez, S., R. Haddad-Tovolli, M. Radosevic, M. Toledo, A. Pane, D. Alcolea, V. Ribas, M. Mila-Guasch, M. Pozo, A. Obri, E. Eyre, A.G. Gomez-Valades, I. Chivite, T. Van Eeckhout, I. Zalachoras, J. Altirriba, C. Bauder, M. Imbernon, G. Garrabou, C. Garcia-Ruiz, R. Nogueiras, D. Soto, X. Gasull, C. Sandi, J.C. Bruning, J. Fortea, A. Jimenez, J.C. Fernandez-Checa, and M. Claret. 2022. Hypothalamic pregnenolone mediates recognition memory in the context of metabolic disorders. *Cell Metab.* 34:269-284 e269.
- Rathmann, W., O. Kuss, and K. Kostev. 2022. Incidence of newly diagnosed diabetes after Covid-19. *Diabetologia.* 65:949-954.

- Rehn, M., A. Wenzel, A.K. Frank, M.B. Schuster, S. Pundhir, N. Jorgensen, K. Vitting-Seerup, Y. Ge, J. Jendholm, M. Michaut, E.M. Schoof, T.L. Jensen, N. Rapin, R.T. Sapio, K.L. Andersen, A.H. Lund, M. Solimena, M. Holzenberger, D.G. Pestov, and B.T. Porse. 2022. PTBP1 promotes hematopoietic stem cell maintenance and red blood cell development by ensuring sufficient availability of ribosomal constituents. *Cell Rep.* 39:110793.
- Reinhardt, J., V. Sharma, A. Stavridou, A. Lindner, S. Reinhardt, A. Petzold, M. Lesche, F. Rost, E. Bonifacio, and A. Eugster. 2022. Distinguishing activated T regulatory cell and T conventional cells by single-cell technologies. *Immunology.* 166:121-137.
- Reiter, U.M., A.J. Eckert, D. Dunstheimer, S. Bechtold-Dalla Pozza, C. Lullwitz, S. Golembowski, M. Freff, S. Herrlinger, T. von dem Berge, M. Rehberg, E. Lilienthal, and R.W. Holl. 2022. Cataract in children and adolescents with type 1 diabetes. Insights from the German/Austrian DPV registry. *Pediatr Diabetes.* 23:362-369.
- Repp, K., D. Radke, T. Ittermann, M. Albers, M.R.P. Markus, E.T. Santa Helena, N. Friedrich, R. Bulow, and H. Volzke. 2022. The site of waist measurement impacts the estimation of visceral fat: results from three-dimensional photonic body scanning. *Br J Nutr.* 128:300-310.
- Reschke, F., S. Lanzinger, V. Herczeg, P. Prahalad, R. Schiaffini, D. Mul, H. Clapin, B. Zabeen, J. Pelicand, M. Phillip, C. Limbert, T. Danne, and S.S. Group. 2022. The COVID-19 Pandemic Affects Seasonality, With Increasing Cases of New-Onset Type 1 Diabetes in Children, From the Worldwide SWEET Registry. *Diabetes Care.* 45:2594-2601.
- Rietz, M., A. Lehr, E. Mino, A. Lang, E. Szczerba, T. Schiemann, C. Herder, N. Saatmann, W. Geidl, J. Barbaresko, M. Neuenschwander, and S. Schlesinger. 2022. Physical Activity and Risk of Major Diabetes-Related Complications in Individuals With Diabetes: A Systematic Review and Meta-Analysis of Observational Studies. *Diabetes Care.* 45:3101-3111.
- Rios Garcia, M., B. Meissburger, J. Chan, R.M. de Guia, F. Mattijssen, S. Roessler, A.L. Birkenfeld, N. Raschzok, F. Riols, J. Tokarz, M. Giroud, M. Gil Lozano, G. Hartleben, P. Nawroth, M. Haid, M. Lopez, S. Herzig, and M. Berriel Diaz. 2022. Trip13 Depletion in Liver Cancer Induces a Lipogenic Response Contributing to Plin2-Dependent Mitotic Cell Death. *Adv Sci (Weinh).* 9:e2104291.
- Rivinius, R., C. Gralla, M. Helmschrott, F.F. Darche, P. Ehlermann, T. Bruckner, W. Sommer, G. Warnecke, S. Kopf, J. Szendroedi, N. Frey, and L.P. Kihm. 2022. Pre-transplant Type 2 Diabetes Mellitus Is Associated With Higher Graft Failure and Increased 5-Year Mortality After Heart Transplantation. *Front Cardiovasc Med.* 9:890359.
- Rohbeck, E., B. Hasse, G. Koopmans, A. Romero, B.F. Belgardt, M. Roden, J. Eckel, and T. Romacho. 2022. Positive allosteric gamma-aminobutyric acid type A receptor modulation prevents lipotoxicity-induced injury in hepatocytes in vitro. *Diabetes Obes Metab.* 24:1498-1508.
- Rohner, M., P.E.H. Schwarz, and S.R. Bornstein. 2022. Treating Insulin Resistance with Intermittent Personalized Nutrition to Sustain Metabolic Health and Functioning Immune System for Risk Reduction of Viral Diseases Especially COVID-19 and Long-COVID. *Horm Metab Res.* 54:567-570.
- Rossing, P., S.D. Anker, G. Filippatos, B. Pitt, L.M. Ruilope, A.L. Birkenfeld, J.B. McGill, S.E. Rosas, A. Joseph, M. Gebel, L. Roberts, M.F. Scheerer, G.L. Bakris, R. Agarwal, D.K.D. Fidelio, and F.-D. Investigators. 2022. Finerenone in Patients With Chronic Kidney Disease and Type 2 Diabetes by Sodium-Glucose Cotransporter 2 Inhibitor Treatment: The FIDELITY Analysis. *Diabetes Care.* 45:2991-2998.
- Ruiz-Canela, M., M. Guasch-Ferre, C. Razquin, E. Toledo, P. Hernandez-Alonso, C.B. Clish, J. Li, C. Wittenbecher, C. Dennis, A. Alonso-Gomez, E. Almanza-Aguilera, L. Liang, D. Corella, E. Gomez-Gracia, R. Estruch, M. Fiol, J. Lapetra, L. Serra-Majem, E. Ros, F. Aros, J. Salas-Salvado, F.B. Hu, and M.A. Martinez-Gonzalez. 2022. Plasma acylcarnitines and risk of incident heart failure and atrial fibrillation: the Prevencion con dieta mediterranea study. *Rev Esp Cardiol (Engl Ed).* 75:649-658.
- Saatmann, N., O.P. Zaharia, K. Strassburger, D.H. Pesta, V. Burkart, J. Szendroedi, N. Gerdes, M. Kelm, and M. Roden. 2022. Physical Fitness and Cardiovascular Risk Factors in Novel Diabetes Subgroups. *J Clin Endocrinol Metab.* 107:1127-1139.

- Sakurai, M., P. Weber, G. Wolff, A. Wieder, J. Szendroedi, S. Herzig, and B. Ekim Ustunel. 2022. TSC22D4 promotes TGFbeta1-induced activation of hepatic stellate cells. *Biochem Biophys Res Commun.* 618:46-53.
- Sanchez-Gonzalez, R., C. Koupourtidou, T. Lepko, A. Zambusi, K.T. Novoselc, T. Durovic, S. Aschenbroich, V. Schwarz, C.T. Breunig, H. Straka, H.B. Huttner, M. Irmeler, J. Beckers, W. Wurst, A. Zwergal, T. Schauer, T. Straub, T. Czopka, D. Trumbach, M. Gotz, S.H. Stricker, and J. Ninkovic. 2022. Innate Immune Pathways Promote Oligodendrocyte Progenitor Cell Recruitment to the Injury Site in Adult Zebrafish Brain. *Cells.* 11.
- Sarabhai, T., C. Koliaki, L. Mastrototaro, S. Kahl, D. Pesta, M. Apostolopoulou, M. Wolkersdorfer, A.C. Bonner, P. Bobrov, D.F. Markgraf, C. Herder, and M. Roden. 2022. Dietary palmitate and oleate differently modulate insulin sensitivity in human skeletal muscle. *Diabetologia.* 65:301-314.
- Sato, S., K.A. Dyar, J.T. Treebak, S.L. Jepsen, A.M. Ehrlich, S.P. Ashcroft, K. Trost, T. Kunzke, V.M. Prade, L. Small, A.L. Basse, M. Schonke, S. Chen, M. Samad, P. Baldi, R. Barres, A. Walch, T. Moritz, J.J. Holst, D. Lutter, J.R. Zierath, and P. Sassone-Corsi. 2022. Atlas of exercise metabolism reveals time-dependent signatures of metabolic homeostasis. *Cell Metab.* 34:329-345 e328.
- Sauer, T., G. Facchinetti, M. Kohl, J.M. Kowal, S. Rozanova, J. Horn, H. Schmal, I. Kwee, A.P. Schulz, S. Hartwig, M. Kassem, J.K. Habermann, and T. Gemoll. 2022. Protein Expression of AEBP1, MCM4, and FABP4 Differentiate Osteogenic, Adipogenic, and Mesenchymal Stromal Stem Cells. *Int J Mol Sci.* 23.
- Sawangjit, A., M. Harkotte, C.N. Oyanedel, N. Niethard, J. Born, and M. Inostroza. 2022. Two distinct ways to form long-term object recognition memory during sleep and wakefulness. *Proc Natl Acad Sci U S A.* 119:e2203165119.
- Sayer, M., C. Thiel, M. Schenk, A. Konigsrainer, N. Heyne, A.L. Birkenfeld, F. Artunc, and K. Thiel. 2022. Intraperitoneal extension of the peritoneal dialysis catheter-a new technique for catheter implantation in patients with obesity. *J Nephrol.* 35:311-316.
- Sbierski-Kind, J., S. Grenkowitz, S. Schlickeiser, A. Sandforth, M. Friedrich, D. Kunkel, R. Glauben, S. Brachs, K. Mai, A. Thurmer, A. Radonic, O. Drechsel, P.J. Turnbaugh, J.E. Bisanz, H.D. Volk, J. Spranger, and R.J. von Schwartzberg. 2022. Effects of caloric restriction on the gut microbiome are linked with immune senescence. *Microbiome.* 10:57.
- Schabitz, A., C. Hillig, M. Mubarak, M. Jargosch, A. Farnoud, E. Scala, N. Kurzen, A.C. Pilz, N. Bhalla, J. Thomas, M. Stahle, T. Biedermann, C.B. Schmidt-Weber, F. Theis, N. Garzorz-Stark, K. Eyerich, M.P. Menden, and S. Eyerich. 2022. Spatial transcriptomics landscape of lesions from non-communicable inflammatory skin diseases. *Nat Commun.* 13:7729.
- Scheel, A.K., L. Espelage, and A. Chadt. 2022. Many Ways to Rome: Exercise, Cold Exposure and Diet-Do They All Affect BAT Activation and WAT Browning in the Same Manner? *Int J Mol Sci.* 23.
- Scheibner, K., and H. Lickert. 2022. Awakening sleeping islets for a cure of diabetes. *Med.* 3:279-280.
- Scherm, M.G., R.C. Wyatt, I. Serr, D. Anz, S.J. Richardson, and C. Daniel. 2022. Beta cell and immune cell interactions in autoimmune type 1 diabetes: How they meet and talk to each other. *Mol Metab.* 64:101565.
- Schiborn, C., R. Paprott, C. Heidemann, T. Kuhn, A. Fritsche, R. Kaaks, and M.B. Schulze. 2022a. German Diabetes Risk Score for the Determination of the Individual Type 2 Diabetes Risk. *Dtsch Arztebl Int.* 119:651-657.
- Schiborn, C., and M.B. Schulze. 2022. Precision prognostics for the development of complications in diabetes. *Diabetologia.* 65:1867-1882.
- Schiborn, C., D. Weber, T. Grune, R. Biemann, S. Jager, N. Neu, M. Muller von Blumencron, A. Fritsche, C. Weikert, M.B. Schulze, and C. Wittenbecher. 2022b. Retinol and Retinol Binding Protein 4 Levels and Cardiometabolic Disease Risk. *Circ Res.* 131:637-649.
- Schleicher, E., C. Gerdes, A. Petersmann, D. Muller-Wieland, U.A. Muller, G. Freckmann, L. Heinemann, M. Nauck, and R. Landgraf. 2022. Definition, Classification and Diagnosis of Diabetes Mellitus. *Exp Clin Endocrinol Diabetes.* 130:S1-S8.

- Schlesinger, S., M. Neuenschwander, J. Barbaresko, A. Lang, H. Maalmi, W. Rathmann, M. Roden, and C. Herder. 2022. Prediabetes and risk of mortality, diabetes-related complications and comorbidities: umbrella review of meta-analyses of prospective studies. *Diabetologia*. 65:275-285.
- Schmid, F., A. Schmitt, N. Hermanns, B. Kulzer, and D. Ehrmann. 2022. Psychosocial Impact of the COVID-19 Pandemic on People With Type 1 Diabetes: Results of an Ecological Momentary Assessment Study. *Front Clin Diabetes Healthc*. 3:834643.
- Schmidt, A.W., A. Kuhnappel, H. Kirsten, H. Grallert, C. Hellerbrand, F. Kiefer, K. Mann, S. Mueller, M.M. Nothen, A. Peters, M. Ridinger, J. Frank, M. Rietschel, N. Soranzo, M. Soyka, N. Wodarz, G. Malerba, G. Gambaro, C. Gieger, M. Scholz, S. Krug, P. Michl, M. Ewers, H. Witt, H. Laumen, and J. Rosendahl. 2022a. Colocalization analysis of pancreas eQTLs with risk loci from alcoholic and novel non-alcoholic chronic pancreatitis GWAS suggests potential disease causing mechanisms. *Pancreatology*. 22:449-456.
- Schmidt, C.O., E. Sierocinski, S. Baumeister, K. Hegenscheid, H. Volzke, and J.F. Chenot. 2022b. Effects of whole-body MRI on outpatient health service costs: a general-population prospective cohort study in Mecklenburg-Vorpommern, Germany. *BMJ Open*. 12:e056572.
- Schmitt, A., B. Kulzer, D. Ehrmann, T. Haak, and N. Hermanns. 2021. A Self-Report Measure of Diabetes Self-Management for Type 1 and Type 2 Diabetes: The Diabetes Self-Management Questionnaire-Revised (DSMQ-R) - Clinimetric Evidence From Five Studies. *Front Clin Diabetes Healthc*. 2:823046.
- Schmitt, A., B. Kulzer, D. Ehrmann, T. Haak, and N. Hermanns. 2022a. Diabetes Distress and Depression during COVID-19: Response to Breznoscakova et al. Uncovering the Untold Emotional Toll of Living with Diabetes in the COVID-19 Era. *Psychother Psychosom*. 91:288-289.
- Schmitt, A., B. Kulzer, A. Reimer, C. Herder, M. Roden, T. Haak, and N. Hermanns. 2022b. Evaluation of a Stepped Care Approach to Manage Depression and Diabetes Distress in Patients with Type 1 Diabetes and Type 2 Diabetes: Results of a Randomized Controlled Trial (ECCE HOMO Study). *Psychother Psychosom*. 91:107-122.
- Schmitz, T., D. Freuer, E. Harmel, M. Heier, A. Peters, J. Linseisen, and C. Meisinger. 2022a. Prognostic value of stress hyperglycemia ratio on short- and long-term mortality after acute myocardial infarction. *Acta Diabetol*. 59:1019-1029.
- Schmitz, T., E. Harmel, M. Heier, A. Peters, J. Linseisen, and C. Meisinger. 2022b. Inflammatory plasma proteins predict short-term mortality in patients with an acute myocardial infarction. *J Transl Med*. 20:457.
- Schmitz, T., E. Harmel, M. Heier, A. Peters, J. Linseisen, and C. Meisinger. 2022c. Long-Term Predictors of Hospitalized Reinfarction after an Incident Acute Myocardial Infarction. *Life (Basel)*. 12.
- Schmitz, T., E. Harmel, M. Heier, A. Peters, J. Linseisen, and C. Meisinger. 2022d. Undiagnosed Impaired Glucose Tolerance and Type-2 Diabetes in Acute Myocardial Infarction Patients: Frequency, Characteristics and Long-Term Mortality. *Front Cardiovasc Med*. 9:869395.
- Schmitz, T., E. Harmel, J. Linseisen, I. Kirchberger, M. Heier, A. Peters, and C. Meisinger. 2022e. Shock index and modified shock index are predictors of long-term mortality not only in STEMI but also in NSTEMI patients. *Ann Med*. 54:900-908.
- Schmitz, T., B. Wein, H. Methe, J. Linseisen, M. Heier, A. Peters, and C. Meisinger. 2022f. Association between admission ECG changes and long-term mortality in patients with an incidental myocardial infarction: Results from the KORA myocardial infarction registry. *Eur J Intern Med*. 100:69-76.
- Schneider, E., M.S. Spetter, E. Martin, E. Sapey, K.P. Yip, K.N. Manolopoulos, A.A. Tahrani, J.M. Thomas, M. Lee, M. Hallschmid, P. Rotshtein, C.T. Dourish, and S. Higgs. 2022. The effect of intranasal insulin on appetite and mood in women with and without obesity: an experimental medicine study. *Int J Obes (Lond)*. 46:1319-1327.
- Schollhorn, A., A. Maia, F. Kimmerle, J. Born, H.G. Rammensee, S. Dimitrov, and C. Gouttefangeas. 2022. Staining of activated ss(2)-integrins in combination with CD137 and CD154 for sensitive identification of functional antigen-specific CD4(+) and CD8(+) T cells. *Front Immunol*. 13:1107366.

- Scholz, M., K. Horn, J. Pott, A. Gross, M.E. Kleber, G.E. Delgado, P.P. Mishra, H. Kirsten, C. Gieger, M. Muller-Nurasyid, A. Tonjes, P. Kovacs, T. Lehtimäki, O. Raitakari, M. Kahonen, H. Gylling, R. Baber, B. Isermann, M. Stumvoll, M. Loeffler, W. Marz, T. Meitinger, A. Peters, J. Thiery, D. Teupser, and U. Ceglarek. 2022. Genome-wide meta-analysis of phytosterols reveals five novel loci and a detrimental effect on coronary atherosclerosis. *Nat Commun.* 13:143.
- Schork, A., and F. Artunc. 2022. [Treatment strategies in diabetic nephropathy - Update 2022]. *Dtsch Med Wochenschr.* 147:1476-1481.
- Schuh, L., I. Kukhtevich, P. Bheda, M. Schulz, M. Bordukova, R. Schneider, and C. Marr. 2022. Altered expression response upon repeated gene repression in single yeast cells. *PLoS Comput Biol.* 18:e1010640.
- Schutt, K., T. Forst, A.L. Birkenfeld, A. Zirlik, D. Muller-Wieland, and N. Marx. 2022. Diabetes Mellitus and the Heart. *Exp Clin Endocrinol Diabetes.* 130:S123-S126.
- Schweizer, U., E.K. Wirth, T. Klopstock, S.M. Holter, L. Becker, J. Moskovitz, T. Grune, H. Fuchs, V. Gailus-Durner, M. Hrabe de Angelis, J. Kohrle, and L. Schomburg. 2022. Seizures, ataxia and parvalbumin-expressing interneurons respond to selenium supply in Selenop-deficient mice. *Redox Biol.* 57:102490.
- Seidel-Jacobs, E., F. Kohl, M. Tamayo, J. Rosenbauer, M.B. Schulze, O. Kuss, and W. Rathmann. 2022a. Impact of applying a diabetes risk score in primary care on change in physical activity: a pragmatic cluster randomised trial. *Acta Diabetol.* 59:1031-1040.
- Seidel-Jacobs, E., V. Ptushkina, K. Strassburger, A. Icks, O. Kuss, V. Burkart, J. Szendroedi, K. Mussig, K. Bodis, Y. Karusheva, O.P. Zaharia, M. Roden, W. Rathmann, and G.D.S. Group. 2022b. Socio-economic inequalities in glycaemic control in recently diagnosed adults with type 1 and type 2 diabetes. *Diabet Med.* 39:e14833.
- Sekar, R., K. Motzler, Y. Kwon, A. Novikoff, J. Julg, B. Najafi, S. Wang, A.L. Warnke, S. Seitz, D. Hass, S. Gancheva, S. Kahl, B. Yang, B. Finan, K. Schwarz, J.G. Okun, M. Roden, M. Bluher, T.D. Müller, N. Kraemer, C. Behrends, O. Plettenburg, M. Miaczynska, S. Herzig, and A. Zeigerer. 2022. Vps37a regulates hepatic glucose production by controlling glucagon receptor localization to endosomes. *Cell Metab.* 34:1824-1842 e1829.
- Selig, J.I., H.V. Krug, C. Kuppers, D.M. Ouwens, F.A. Kraft, E. Adler, S.J. Bauer, A. Lichtenberg, P. Akhyari, and M. Barth. 2022. Interactive contribution of hyperinsulinemia, hyperglycemia, and mammalian target of rapamycin signaling to valvular interstitial cell differentiation and matrix remodeling. *Front Cardiovasc Med.* 9:942430.
- Semeia, L., K. Sippel, J. Moser, and H. Preissl. 2022. Evaluation of parameters for fetal behavioural state classification. *Sci Rep.* 12:3410.
- Seufert, J., S. Lanzinger, T. Danne, P. Bramlage, S.M. Schmid, F. Kopp, S. Kress, P. Fasching, C. Schafer, R.W. Holl, and D.P.V. Initiative. 2022. Real-world data of 12-month adjunct sodium-glucose co-transporter-2 inhibitor treatment in type 1 diabetes from the German/Austrian DPV registry: Improved HbA1c without diabetic ketoacidosis. *Diabetes Obes Metab.* 24:742-746.
- Shan, X., M.P. Contreras, M. Mendez, J. Born, and M. Inostroza. 2022. Unfolding of spatial representation at systems level in infant rats. *Hippocampus.* 32:121-133.
- Sherr, J.L., L. Heinemann, G.A. Fleming, R.M. Bergenstal, D. Bruttomesso, H. Hanaire, R.W. Holl, J.R. Petrie, A.L. Peters, and M. Evans. 2022. Automated Insulin Delivery: Benefits, Challenges, and Recommendations. A Consensus Report of the Joint Diabetes Technology Working Group of the European Association for the Study of Diabetes and the American Diabetes Association. *Diabetes Care.* 45:3058-3074.
- Shih, A.Z.L., Y.C. Chen, T. Speckmann, E. Sondergaard, A. Schurmann, C.B. Verchere, and T.E. Willnow. 2022. SORLA mediates endocytic uptake of proIAPP and protects against islet amyloid deposition. *Mol Metab.* 65:101585.

- Shugaa Addin, N., C.L. Schlett, F. Bamberg, B. Thorand, J. Linseisen, J. Seissler, A. Peters, and S. Rospleszcz. 2022. Subclinical Cardiovascular Disease Markers in Relation to Serum and Dietary Magnesium in Individuals from the General Population: The KORA-MRI Study. *Nutrients*. 14.
- Skurk, T., A. Bosity-Westphal, A. Grunerbel, S. Kabisch, W. Keuthage, P. Kronsbein, K. Mussig, A.F.H. Pfeiffer, M.C. Simon, A. Tombek, K.S. Weber, and D. Rubin. 2022. Dietary recommendations for persons with type 2 diabetes mellitus. *Exp Clin Endocrinol Diabetes*. 130:S151-S184.
- Smith, J.G., T. Sato, K. Shimaji, K.B. Koronowski, P. Petrus, M. Cervantes, K. Kinouchi, D. Lutter, K.A. Dyar, and P. Sassone-Corsi. 2022. Antibiotic-induced microbiome depletion remodels daily metabolic cycles in the brain. *Life Sci*. 303:120601.
- Sommer, A.J., A. Peters, M. Rommel, J. Cyrus, H. Grallert, D. Haller, C.L. Muller, and M.C. Bind. 2022. A randomization-based causal inference framework for uncovering environmental exposure effects on human gut microbiota. *PLoS Comput Biol*. 18:e1010044.
- Stahl-Pehe, A., C. Kamrath, N. Prinz, T. Kapellen, U. Menzel, O. Kordonouri, K.O. Schwab, S. Bechtold-Dalla Pozza, J. Rosenbauer, and R.W. Holl. 2022a. Prevalence of type 1 and type 2 diabetes in children and adolescents in Germany from 2002 to 2020: A study based on electronic health record data from the DPV registry. *J Diabetes*. 14:840-850.
- Stahl-Pehe, A., S. Selinski, C. Bachle, K. Castillo, K. Lange, R.W. Holl, and J. Rosenbauer. 2022b. Overestimation and underestimation of youths' health-related quality of life are associated with youth and caregiver positive screens for depression: results of a population-based study among youths with longstanding type 1 diabetes. *Diabetol Metab Syndr*. 14:40.
- Stahl-Pehe, A., S. Selinski, C. Bachle, K. Castillo, K. Lange, R.W. Holl, and J. Rosenbauer. 2022c. Screening for generalized anxiety disorder (GAD) and associated factors in adolescents and young adults with type 1 diabetes: Cross-sectional results of a Germany-wide population-based study. *Diabetes Res Clin Pract*. 184:109197.
- Steenblock, C., P.E.H. Schwarz, N. Perakakis, N. Brajshori, P. Beqiri, and S.R. Bornstein. 2022. The interface of COVID-19, diabetes, and depression. *Discov Ment Health*. 2:5.
- Stefan, N. 2022. Metabolic disorders, COVID-19 and vaccine-breakthrough infections. *Nat Rev Endocrinol*. 18:75-76.
- Stefan, N., and K. Cusi. 2022. A global view of the interplay between non-alcoholic fatty liver disease and diabetes. *Lancet Diabetes Endocrinol*. 10:284-296.
- Stefan, N., and M. Roden. 2022. Diabetes and Fatty Liver. *Exp Clin Endocrinol Diabetes*. 130:S113-S116.
- Stefan, N., K. Sippel, M. Heni, A. Fritsche, R. Wagner, C.E.M. Jakob, H. Preissl, A. von Werder, Y. Khodamoradi, S. Borgmann, M.M. Ruthrich, F. Hanses, M. Haselberger, C. Piepel, M. Hower, J. Vom Dahl, K. Wille, C. Rommele, J. Vehreschild, M. Stecher, M. Solimena, M. Roden, A. Schurmann, B. Gallwitz, M. Hrabe de Angelis, D.S. Ludwig, M.B. Schulze, B.E.O. Jensen, and A.L. Birkenfeld. 2022. Obesity and Impaired Metabolic Health Increase Risk of COVID-19-Related Mortality in Young and Middle-Aged Adults to the Level Observed in Older People: The LEOSS Registry. *Front Med (Lausanne)*. 9:875430.
- Steinbeisser, K., L. Schwarzkopf, L. Schwettmann, M. Laxy, E. Grill, C. Rester, A. Peters, and H. Seidl. 2022. Association of physical activity with utilization of long-term care in community-dwelling older adults in Germany: results from the population-based KORA-Age observational study. *Int J Behav Nutr Phys Act*. 19:102.
- Steuernagel, L., B.Y.H. Lam, P. Klemm, G.K.C. Dowsett, C.A. Bauder, J.A. Tadross, T.S. Hitschfeld, A. Del Rio Martin, W. Chen, A.J. de Solis, H. Fenselau, P. Davidsen, I. Cimino, S.N. Kohnke, D. Rimmington, A.P. Coll, A. Beyer, G.S.H. Yeo, and J.C. Bruning. 2022. HypoMap-a unified single-cell gene expression atlas of the murine hypothalamus. *Nat Metab*. 4:1402-1419.



- Stokes, C.S., D. Weber, S. Wagenpfeil, W. Stuetz, M. Moreno-Villanueva, M.E.T. Dolle, E. Jansen, E.S. Gonos, J. Bernhardt, B. Grubeck-Loebenstein, S. Fiegl, E. Sikora, O. Toussaint, F. Debacq-Chainiaux, M. Capri, A. Hervonen, P.E. Slagboom, N. Breusing, J. Frank, A. Burkle, C. Franceschi, and T. Grune. 2022. Association between fat-soluble vitamins and self-reported health status: a cross-sectional analysis of the MARK-AGE cohort. *Br J Nutr.* 128:433-443.
- Strickland, B.A., S.A. Ansari, W. Dantoft, and N.H. Uhlénhaut. 2022. How to tame your genes: mechanisms of inflammatory gene repression by glucocorticoids. *FEBS Lett.* 596:2596-2616.
- Subramanian, P., J. Hampe, F. Tacke, and T. Chavakis. 2022. Fibrogenic Pathways in Metabolic Dysfunction Associated Fatty Liver Disease (MAFLD). *Int J Mol Sci.* 23.
- Sujana, C., V. Salomaa, F. Kee, J. Seissler, P. Jousilahti, C. Neville, C. Then, W. Koenig, K. Kuulasmaa, J. Reinikainen, S. Blankenberg, T. Zeller, C. Herder, U. Mansmann, A. Peters, B. Thorand, and R.E.C. BiomarCa. 2022. Associations of the vasoactive peptides CT-proET-1 and MR-proADM with incident type 2 diabetes: results from the BiomarCaRE Consortium. *Cardiovasc Diabetol.* 21:99.
- Sulaj, A., S. Kopf, E. von Rauchhaupt, E. Kliemank, M. Brune, Z. Kender, H. Bartl, F.G. Cortizo, K. Klepac, Z. Han, V. Kumar, V. Longo, A. Teleman, J.G. Okun, J. Morgenstern, T. Fleming, J. Szendroedi, S. Herzig, and P.P. Nawroth. 2022. Six-Month Periodic Fasting in Patients With Type 2 Diabetes and Diabetic Nephropathy: A Proof-of-Concept Study. *J Clin Endocrinol Metab.* 107:2167-2181.
- Sun, C., F. Forster, B. Gutschmann, Y. Moulla, C. Stroh, A. Dietrich, M.R. Schon, D. Gartner, T. Lohmann, M. Dressler, M. Stumvoll, M. Bluher, P. Kovacs, J. Breitfeld, and E. Guiu-Jurado. 2022. Metabolic Effects of the Waist-To-Hip Ratio Associated Locus GRB14/COBLL1 Are Related to GRB14 Expression in Adipose Tissue. *Int J Mol Sci.* 23.
- Sundaram, S.M., A. Arrulo Pereira, H. Muller-Fielitz, H. Kopke, M. De Angelis, T.D. Muller, H. Heuer, J. Korbelen, M. Krohn, J. Mittag, R. Nogueiras, V. Prevot, and M. Schwaninger. 2022. Gene therapy targeting the blood-brain barrier improves neurological symptoms in a model of genetic MCT8 deficiency. *Brain.* 145:4264-4274.
- Szabo, R., J.M. Ward, F. Artunc, and T.H. Bugge. 2022. EPCAM and TROP2 share a role in claudin stabilization and development of intestinal and extraintestinal epithelia in mice. *Biol Open.* 11.
- Tan, Q., S.E. Akindehin, C.E. Orsso, R.C. Waldner, R.D. DiMarchi, T.D. Muller, and A.M. Haqq. 2022. Recent Advances in Incretin-Based Pharmacotherapies for the Treatment of Obesity and Diabetes. *Front Endocrinol (Lausanne).* 13:838410.
- Tauschmann, M., A. Schwandt, N. Prinz, M. Becker, T. Biester, M. Hess, M. Holder, B. Karges, A. Nake, O. Kuss, S. von Sengbusch, R.W. Holl, and D.P.V. Initiative. 2022. Three-variate trajectories of metabolic control, body mass index, and insulin dose: Heterogeneous response to initiation of pump therapy in youth with type 1 diabetes. *Pediatr Diabetes.* 23:330-340.
- Terenzi, D., A.R. Madipakkam, F. Molter, P.N.C. Mohr, A.B. Losecaat Vermeer, L. Liu, and S.Q. Park. 2022. Neural Correlates Underlying Social-Cue-Induced Value Change. *J Neurosci.* 42:6276-6284.
- Thalmeier, D., G. Miller, E. Schneltzer, A. Hurt, M. Hrabe deAngelis, L. Becker, C.L. Muller, and H. Maier. 2022. Objective hearing threshold identification from auditory brainstem response measurements using supervised and self-supervised approaches. *BMC Neurosci.* 23:81.
- Then, C., C. Herder, B. Thorand, C. Sujana, M. Heier, C. Meisinger, A. Peters, W. Koenig, W. Rathmann, M. Roden, M. Stumvoll, H. Maalmi, H. Then, U. Ferrari, J. Scherberich, J. Seissler, and K.O.-S. Group. 2022a. Association of serum uromodulin with adipokines in dependence of type 2 diabetes. *Cytokine.* 150:155786.
- Then, C., K. Ritzel, C. Herder, H. Then, C. Sujana, M. Heier, C. Meisinger, A. Peters, W. Koenig, W. Rathmann, M. Roden, H. Maalmi, M. Stumvoll, T. Meitinger, M. Bidlingmaier, J. Seissler, B. Thorand, and M. Reincke. 2022b. Association of renin and aldosterone with glucose metabolism in a Western European population: the KORA F4/FF4 study. *BMJ Open Diabetes Res Care.* 10.

- Then, C., C. Sujana, C. Herder, H. Then, M. Heier, C. Meisinger, A. Peters, W. Koenig, W. Rathmann, H. Maalmi, K. Ritzel, M. Roden, M. Stumvoll, B. Thorand, and J. Seissler. 2022c. Association of C-Terminal Pro-Endothelin-1 with Mortality in the Population-Based KORA F4 Study. *Vasc Health Risk Manag.* 18:335-346.
- Thomson, M.J., M. Serper, V. Khungar, L.M. Weiss, H. Trinh, R. Firpi-Morell, M. Roden, R. Loomba, A.S.t. Barritt, D. Gazis, A.R. Mospan, M.W. Fried, K.R. Reddy, and A.S. Lok. 2022. Prevalence and Factors Associated With Statin Use Among Patients With Nonalcoholic Fatty Liver Disease in the TARGET-NASH Study. *Clin Gastroenterol Hepatol.* 20:458-460 e454.
- Tiedemann, L.J., S.M. Meyhofer, P. Francke, J. Beck, C. Buchel, and S. Brassen. 2022. Insulin sensitivity in mesolimbic pathways predicts and improves with weight loss in older dieters. *Elife.* 11.
- Tilch, E., B. Schormair, C. Zhao, B. Hogg, A. Stefani, K. Berger, C. Trenkwalder, C.G. Bachmann, M. Hornyak, I. Fietze, M. Muller-Nurasyid, A. Peters, S. Herms, M.M. Nothen, B. Muller-Myhsok, K. Oexle, and J. Winkelmann. 2022. ExomeChip-based rare variant association study in restless legs syndrome. *Sleep Med.* 94:26-30.
- Tonnies, T., S. Kahl, and O. Kuss. 2022. Collider Bias in Observational Studies. *Dtsch Arztebl Int.* 119:107-122.
- Tritschler, S., M. Thomas, A. Bottcher, B. Ludwig, J. Schmid, U. Schubert, E. Kemter, E. Wolf, H. Lickert, and F.J. Theis. 2022. A transcriptional cross species map of pancreatic islet cells. *Mol Metab.* 66:101595.
- Ungefroren, H., A. Kunstner, H. Busch, S. Franzenburg, K. Luley, F. Viol, J. Schrader, B. Konukiewitz, U.F. Wellner, S.M. Meyhofer, T. Keck, J.U. Marquardt, and H. Lehnert. 2022. Differential Effects of Somatostatin, Octreotide, and Lanreotide on Neuroendocrine Differentiation and Proliferation in Established and Primary NET Cell Lines: Possible Crosstalk with TGF-beta Signaling. *Int J Mol Sci.* 23.
- van den Boom, L., K. Kostev, O. Kuss, W. Rathmann, and J. Rosenbauer. 2022. Type 1 diabetes incidence in children and adolescents during the COVID-19 pandemic in Germany. *Diabetes Res Clin Pract.* 193:110146.
- van Eenige, R., W. In Het Panhuis, M. Schonke, C. Jouffe, T.H. Devilee, R. Siebeler, T.C.M. Streefland, H.C.M. Sips, A.C.M. Pronk, R.H.P. Vorderman, H. Mei, J.B. van Klinken, M. van Weeghel, N.H. Uhlenhaut, S. Kersten, P.C.N. Rensen, and S. Kooijman. 2022. Angiotensin-like 4 governs diurnal lipoprotein lipase activity in brown adipose tissue. *Mol Metab.* 60:101497.
- Vazeou, A., S.R. Tittel, N.H. Birkebaek, O. Kordonouri, V. Iotova, B. Piccini, B. Saboo, A. Pundziute Lycka, S. Seget, D.M. Maahs, and G. Stergiou. 2022a. The Importance of Office Blood Pressure Measurement Frequency and Methodology in Evaluating the Prevalence of Hypertension in Children and Adolescents With Type 1 Diabetes: The SWEET International Database. *Diabetes Care.* 45:1462-1471.
- Vazeou, A., S.R. Tittel, O. Kordonouri, N.H. Birkebaek, V. Iotova, B. Piccini, S. Seget, P.K. Guness, D.M. Maahs, and G.S. Stergiou. 2022b. Increased prevalence of cardiovascular risk factors in children and adolescents with type 1 diabetes and hypertension: The SWEET international database. *Diabetes Obes Metab.* 24:2420-2430.
- Vesting, A.J., A. Jais, P. Klemm, L. Steuernagel, P. Wienand, M. Fog-Tonnesen, H. Hvid, A.L. Schumacher, C. Kukat, H. Nolte, T. Georgomanolis, J. Altmuller, M. Pasparakis, A. Schmidt, M. Kruger, M.S. Supprian, A. Waisman, B.K. Straub, N. Raschzok, M. Bernier, A.L. Birkenfeld, N. Hovelmeyer, J.C. Bruning, and F.T. Wunderlich. 2022. NIK/MAP3K14 in hepatocytes orchestrates NASH to hepatocellular carcinoma progression via JAK2/STAT5 inhibition. *Mol Metab.* 66:101626.
- Vidal-Ostos, F., O. Ramos-Lopez, S.A. Jebb, A. Papadaki, A.F.H. Pfeiffer, T. Handjieva-Darlenska, M. Kunesova, E.E. Blaak, A. Astrup, J.A. Martinez, O. Diet, and P. Genes. 2022. Dietary protein and the glycemic index handle insulin resistance within a nutritional program for avoiding weight regain after energy-restricted induced weight loss. *Nutr Metab (Lond).* 19:71.

- Villasanta-Gonzalez, A., J.F. Alcalá-Díaz, C. Vals-Delgado, A.P. Arenas, M.P. Cardelo, J.L. Romero-Cabrera, F. Rodríguez-Cantalejo, J. Delgado-Lista, M.M. Malagon, P. Perez-Martinez, M.B. Schulze, A. Camargo, and J. Lopez-Miranda. 2022. A plasma fatty acid profile associated to type 2 diabetes development: from the CORDIOPREV study. *Eur J Nutr.* 61:843-857.
- Vissers, L.E.T., I. Sluijs, S. Burgess, N.G. Forouhi, H. Freisling, F. Imamura, T.K. Nilsson, F. Renstrom, E. Weiderpass, K. Aleksandrova, C.C. Dahm, A. Perez-Cornago, M.B. Schulze, T.Y.N. Tong, D. Aune, C. Bonet, J.M.A. Boer, H. Boeing, M.D. Chirlaque, M.I. Conchi, L. Imaz, S. Jager, V. Krogh, C. Kyro, G. Masala, O. Melander, K. Overvad, S. Panico, M.J. Sanches, E. Sonestedt, A. Tjønneland, I. Tzoulaki, W.M.M. Verschuren, E. Riboli, N.J. Wareham, J. Danesh, A.S. Butterworth, and Y.T. van der Schouw. 2022. Milk intake and incident stroke and CHD in populations of European descent: a Mendelian randomisation study. *Br J Nutr.* 128:1789-1797.
- von Kruchten, R., R. Lorbeer, K. Müller-Peltzer, S. Rospleszcz, C. Storz, E. Askani, C. Kulka, C. Schuppert, W. Rathmann, A. Peters, F. Bamberg, C.L. Schlett, and B. Mujaj. 2022a. Association between Adipose Tissue Depots and Dyslipidemia: The KORA-MRI Population-Based Study. *Nutrients.* 14.
- von Kruchten, R., R. Lorbeer, A. Peters, F. Bamberg, C.L. Schlett, and B. Mujaj. 2022b. Association between Large Arteries Diameter and Heart Function in Subjects Free of Cardiovascular Diseases. *J Pers Med.* 12.
- Vosseler, A., J. Machann, L. Fritsche, K. Prystupa, C. Kubler, H.U. Haring, A.L. Birkenfeld, N. Stefan, A. Peter, A. Fritsche, R. Wagner, and M. Heni. 2022. Interscapular fat is associated with impaired glucose tolerance and insulin resistance independent of visceral fat mass. *Obesity (Silver Spring).* 30:2233-2241.
- Wackerhage, H., I.J. Vechetti, P. Baumert, S. Gehlert, L. Becker, R.T. Jaspers, and M.H. de Angelis. 2022. Does a Hypertrophying Muscle Fibre Reprogramme its Metabolism Similar to a Cancer Cell? *Sports Med.* 52:2569-2578.
- Wagner, L., R. Veit, L. Fritsche, H.U. Haring, A. Fritsche, A.L. Birkenfeld, M. Heni, H. Preissl, and S. Kullmann. 2022a. Sex differences in central insulin action: Effect of intranasal insulin on neural food cue reactivity in adults with normal weight and overweight. *Int J Obes (Lond).* 46:1662-1670.
- Wagner, R., S.S. Eckstein, L. Fritsche, K. Prystupa, S. Horber, H.U. Haring, A.L. Birkenfeld, A. Peter, A. Fritsche, and M. Heni. 2022b. Postprandial Dynamics of Proglucagon Cleavage Products and Their Relation to Metabolic Health. *Front Endocrinol (Lausanne).* 13:892677.
- Wagner, R., S.S. Eckstein, H. Yamazaki, F. Gerst, J. Machann, B.A. Jaghutriz, A. Schurmann, M. Solimena, S. Singer, A. Konigsrainer, A.L. Birkenfeld, H.U. Haring, A. Fritsche, S. Ullrich, and M. Heni. 2022c. Metabolic implications of pancreatic fat accumulation. *Nat Rev Endocrinol.* 18:43-54.
- Walth-Hummel, A.A., S. Herzig, and M. Rohm. 2022. Nuclear Receptors in Energy Metabolism. *Adv Exp Med Biol.* 1390:61-82.
- Wang, J., Y. Onogi, M. Krueger, J. Oeckl, R. Karlina, I. Singh, S.M. Hauck, R. Feederle, Y. Li, and S. Ussar. 2022a. PAT2 regulates vATPase assembly and lysosomal acidification in brown adipocytes. *Mol Metab.* 61:101508.
- Wang, Z., R. Fan, A. Russo, F.M. Cernilogar, A. Nuber, S. Schirge, I. Shcherbakova, I. Dzhilyanova, E. Ugur, T. Anton, L. Richter, H. Leonhardt, H. Lickert, and G. Schotta. 2022b. Dominant role of DNA methylation over H3K9me3 for IAP silencing in endoderm. *Nat Commun.* 13:5447.
- Wanger, L., C. Gar, M. Rippl, S. Kern-Matschilles, A. Potzel, S. Haschka, J. Seissler, N. Hesse, and A. Lechner. 2022. Function outperforms morphology in the assessment of muscular contribution to insulin sensitivity in premenopausal women. *Diab Vasc Dis Res.* 19:14791641211070281.
- Warncke, K., A. Eckert, T. Kapellen, S. Kummer, K. Raile, D. Dunstheimer, J. Grulich-Henn, J. Woelfle, S. Wenzel, S.E. Hofer, A. Dost, and R.W. Holl. 2022. Clinical presentation and long-term outcome of patients with KCNJ11/ABCC8 variants: Neonatal diabetes or MODY in the DPV registry from Germany and Austria. *Pediatr Diabetes.* 23:999-1008.

- Weber, P., A. Kunstner, J. Hess, K. Unger, S. Marschner, C. Idel, J. Ribbat-Idel, P. Baumeister, O. Gires, C. Walz, S. Rietzler, L. Valeanu, T. Herkommer, L. Kreutzer, O. Klymenko, G. Drexler, T. Kirchner, C. Maihofer, U. Ganswindt, A. Walch, M. Sterr, H. Lickert, M. Canis, D. Rades, S. Perner, M. Berriel Diaz, S. Herzig, K. Lauber, B. Wollenberg, H. Busch, C. Belka, and H. Zitzelsberger. 2022. Therapy-Related Transcriptional Subtypes in Matched Primary and Recurrent Head and Neck Cancer. *Clin Cancer Res.* 28:1038-1052.
- Weiss, A., J. Zapardiel-Gonzalo, F. Voss, M. Jolink, J. Stock, F. Haupt, K. Kick, T. Welzhofer, A. Heublein, C. Winkler, P. Achenbach, A.G. Ziegler, E. Bonifacio, and g. Fr1da-study. 2022. Progression likelihood score identifies substages of presymptomatic type 1 diabetes in childhood public health screening. *Diabetologia.* 65:2121-2131.
- Welters, A., and E. Lammert. 2022. Novel Approaches to Restore Pancreatic Beta-Cell Mass and Function. *Handb Exp Pharmacol.* 274:439-465.
- Welters, A., S.R. Tittel, T. Reinehr, D. Weghuber, S. Wiegand, W. Karges, C. Freiberg, T. Meissner, N.C. Schloot, and R.W. Holl. 2022. Clinical characteristics and cardiovascular risk profile in children and adolescents with latent autoimmune diabetes: Results from the German/Austrian prospective diabetes follow-up registry. *Pediatr Diabetes.* 23:1602-1612.
- Wierenga, L.M., G.E. Doucet, D. Dima, I. Agartz, M. Aghajani, T.N. Akudjedu, A. Albajes-Eizagirre, D. Alnaes, K.I. Alpert, O.A. Andreassen, A. Anticevic, P. Asherson, T. Banaschewski, N. Bargallo, S. Baumeister, R. Baur-Streubel, A. Bertolino, A. Bonvino, D.I. Boomsma, S. Borgwardt, J. Bourque, A. den Braber, D. Brandeis, A. Breier, H. Brodaty, R.M. Brouwer, J.K. Buitelaar, G.F. Busatto, V.D. Calhoun, E.J. Canales-Rodriguez, D.M. Cannon, X. Caseras, F.X. Castellanos, T.M. Chaim-Avancini, C.R. Ching, V.P. Clark, P.J. Conrod, A. Conzelmann, F. Crivello, C.G. Davey, E.W. Dickie, S. Ehrlich, D. Van't Ent, S.E. Fisher, J.P. Fouche, B. Franke, P. Fuentes-Claramonte, E.J. de Geus, A. Di Giorgio, D.C. Glahn, I.H. Gotlib, H.J. Grabe, O. Gruber, P. Gruner, R.E. Gur, R.C. Gur, T.P. Gurholt, L. de Haan, B. Haatveit, B.J. Harrison, C.A. Hartman, S.N. Hatton, D.J. Heslenfeld, O.A. van den Heuvel, I.B. Hickie, P.J. Hoekstra, S. Hohmann, A.J. Holmes, M. Hoogman, N. Hosten, F.M. Howells, H.E. Hulshoff Pol, C. Huyser, N. Jahanshad, A.C. James, J. Jiang, E.G. Jonsson, J.A. Joska, A.J. Kalnin, C. Karolinska Schizophrenia Project, M. Klein, L. Koenders, K.K. Kolskar, B. Kramer, J. Kuntsi, J. Lagopoulos, L. Lazaro, I.S. Lebedeva, P.H. Lee, C. Lochner, M.W. Machielsen, S. Maingault, N.G. Martin, I. Martinez-Zalacain, D. Mataix-Cols, B. Mazoyer, B.C. McDonald, C. McDonald, A.M. McIntosh, K.L. McMahon, et al. 2022. Greater male than female variability in regional brain structure across the lifespan. *Hum Brain Mapp.* 43:470-499.
- Winkler, T.W., H. Rasheed, A. Teumer, M. Gorski, B.X. Rowan, K.J. Stanzick, L.F. Thomas, A. Tin, A. Hoppmann, A.Y. Chu, B. Tayo, C.H.L. Thio, D. Cusi, J.F. Chai, K.B. Sieber, K. Horn, M. Li, M. Scholz, M. Cocca, M. Wuttke, P.J. van der Most, Q. Yang, S. Ghasemi, T. Natile, Y. Li, G. Pontali, F. Gunther, A. Dehghan, A. Correa, A. Parsa, A. Feresin, A.P.J. de Vries, A.B. Zonderman, A.V. Smith, A.J. Oldehinkel, A. De Grandi, A.R. Rosenkranz, A. Franke, A. Teren, A. Metspalu, A.A. Hicks, A.P. Morris, A. Tonjes, A. Morgan, A.I. Podgornaia, A. Peters, A. Korner, A. Mahajan, A. Campbell, B.I. Freedman, B. Spedicati, B. Ponte, B. Schottker, B. Brumpton, B. Banas, B.K. Kramer, B. Jung, B.O. Asvold, B.H. Smith, B. Ning, B. Penninx, B.R. Vanderwerff, B.M. Psaty, C.M. Kammerer, C.D. Langefeld, C. Hayward, C.N. Spracklen, C. Robinson-Cohen, C.A. Hartman, C.M. Lindgren, C. Wang, C. Sabanayagam, C.K. Heng, C. Lanzani, C.C. Khor, C.Y. Cheng, C. Fuchsberger, C. Gieger, C.M. Shaffer, C.A. Schulz, C.J. Willer, D.I. Chasman, D.F. Gudbjartsson, D. Ruggiero, D. Toniolo, D. Czamara, D.J. Porteous, D.M. Waterworth, D. Mascalzoni, D.O. Mook-Kanamori, D.F. Reilly, E.W. Daw, E. Hofer, E. Boerwinkle, E. Salvi, E.P. Bottinger, E.S. Tai, E. Catamo, F. Rizzi, F. Guo, et al. 2022. Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. *Commun Biol.* 5:580.
- Wittenbecher, C., R. Cuadrat, L. Johnston, F. Eichelmann, S. Jager, O. Kuxhaus, M. Prada, M.F. Del Greco, A.A. Hicks, P. Hoffman, J. Krumsiek, F.B. Hu, and M.B. Schulze. 2022a. Dihydroceramide- and ceramide-profiling provides insights into human cardiometabolic disease etiology. *Nat Commun.* 13:936.

- Wittenbecher, C., M. Guasch-Ferre, D.E. Haslam, C. Dennis, J. Li, S.N. Bhupathiraju, C.H. Lee, Q. Qi, L. Liang, A.H. Eliassen, C. Clish, Q. Sun, and F.B. Hu. 2022b. Changes in metabolomics profiles over ten years and subsequent risk of developing type 2 diabetes: Results from the Nurses' Health Study. *EBioMedicine*. 75:103799.
- Woelfle, T., B. Linkohr, T. Waterboer, B. Thorand, J. Seissler, M. Chadeau-Hyam, and A. Peters. 2022. Health impact of seven herpesviruses on (pre)diabetes incidence and HbA(1c): results from the KORA cohort. *Diabetologia*. 65:1328-1338.
- Wolff, G., M. Sakurai, A. Mhamane, M. Troullinaki, A. Maida, I.K. Deligiannis, K. Yin, P. Weber, J. Morgenstern, A. Wieder, Y. Kwon, R. Sekar, A. Zeigerer, M. Roden, M. Bluher, N. Volk, T. Poth, T. Hackert, L. Wiedmann, F. De Angelis Rigotti, J. Rodriguez-Vita, A. Fischer, R. Mukthavaram, P. Limphong, K. Tachikawa, P. Karmali, J. Payne, P. Chivukula, B. Ekim-Ustunel, C.P. Martinez-Jimenez, J. Szendrodi, P. Nawroth, and S. Herzig. 2022. Hepatocyte-specific activity of TSC22D4 triggers progressive NAFLD by impairing mitochondrial function. *Mol Metab*. 60:101487.
- Worn, M., H. Kalbacher, and F. Artunc. 2022. Proteolytic Activity against the Distal Polybasic Tract of the Gamma Subunit of the Epithelial Sodium Channel ENaC in Nephrotic Urine. *Curr Med Chem*. 29:6433-6445.
- Worner, S., B.N. Bohnert, M. Worn, M. Xiao, A. Janessa, A.L. Birkenfeld, K. Amann, C. Daniel, and F. Artunc. 2022. Renal effects of the serine protease inhibitor aprotinin in healthy conscious mice. *Acta Pharmacol Sin*. 43:111-120.
- Wu, X., X. Cao, J. Lintemann, A. Peters, W. Koenig, R. Zimmermann, A. Schneider, K. Wolf, and K.O.-S. group. 2022. Assessment of the association of exposure to polycyclic aromatic hydrocarbons, oxidative stress, and inflammation: A cross-sectional study in Augsburg, Germany. *Int J Hyg Environ Health*. 244:113993.
- Wurfel, M., J. Breitfeld, C. Gebhard, M. Scholz, R. Baber, S.G. Riedel-Heller, M. Bluher, M. Stumvoll, P. Kovacs, and A. Tonjes. 2022. Interplay between adipose tissue secreted proteins, eating behavior and obesity. *Eur J Nutr*. 61:885-899.
- Xiao, M., B.N. Bohnert, F. Grahmmer, and F. Artunc. 2022. Rodent models to study sodium retention in experimental nephrotic syndrome. *Acta Physiol (Oxf)*. 235:e13844.
- Xie, K., H. Fuchs, E. Scifo, D. Liu, A. Aziz, J.A. Aguilar-Pimentel, O.V. Amarie, L. Becker, P. da Silva-Buttkus, J. Calzada-Wack, Y.L. Cho, Y. Deng, A.C. Edwards, L. Garrett, C. Georgopoulou, R. Gerlini, S.M. Holter, T. Klein-Rodewald, M. Kramer, S. Leuchtenberger, D. Lountzi, P. Mayer-Kuckuk, L.L. Nover, M.A. Oestereicher, C. Overkott, B.L. Pearson, B. Rathkolb, J. Rozman, J. Russ, K. Schaaf, N. Spielmann, A. Sanz-Moreno, C. Stoeger, I. Treise, D. Bano, D.H. Busch, J. Graw, M. Klingenspor, T. Klopstock, B.A. Mock, P. Salomoni, C. Schmidt-Weber, M. Weiergraber, E. Wolf, W. Wurst, V. Gailus-Durner, M.M.B. Breteler, M. Hrabe de Angelis, and D. Ehninger. 2022. Deep phenotyping and lifetime trajectories reveal limited effects of longevity regulators on the aging process in C57BL/6J mice. *Nat Commun*. 13:6830.
- Xiong, X., A. Blakely, J.H. Kim, J.G. Menting, I.B. Schafer, H.L. Schubert, R. Agrawal, T. Gutmann, C. Delaine, Y.W. Zhang, G.O. Artik, A. Merriman, D. Eckert, M.C. Lawrence, U. Coskun, S.J. Fisher, B.E. Forbes, H. Safavi-Hemami, C.P. Hill, and D.H. Chou. 2022. Symmetric and asymmetric receptor conformation continuum induced by a new insulin. *Nat Chem Biol*. 18:511-519.
- Yamazaki, H., S. Tauchi, J. Machann, T. Haueise, Y. Yamamoto, M. Dohke, N. Hanawa, Y. Kodama, A. Katanuma, N. Stefan, A. Fritsche, A.L. Birkenfeld, R. Wagner, and M. Heni. 2022. Fat Distribution Patterns and Future Type 2 Diabetes. *Diabetes*. 71:1937-1945.
- Yao, Y., A. Schneider, K. Wolf, S. Zhang, R. Wang-Sattler, A. Peters, and S. Breitner. 2022. Longitudinal associations between metabolites and long-term exposure to ambient air pollution: Results from the KORA cohort study. *Environ Int*. 170:107632.

- Yengo, L., S. Vedantam, E. Marouli, J. Sidorenko, E. Bartell, S. Sakaue, M. Graff, A.U. Eliassen, Y. Jiang, S. Raghavan, J. Miao, J.D. Arias, S.E. Graham, R.E. Mukamel, C.N. Spracklen, X. Yin, S.H. Chen, T. Ferreira, H.H. Highland, Y. Ji, T. Karaderi, K. Lin, K. Lull, D.E. Malden, C. Medina-Gomez, M. Machado, A. Moore, S. Rueger, X. Sim, S. Vrieze, T.S. Ahluwalia, M. Akiyama, M.A. Allison, M. Alvarez, M.K. Andersen, A. Ani, V. Appadurai, L. Arbeeve, S. Bhaskar, L.F. Bielak, S. Bollepalli, L.L. Bonnycastle, J. Bork-Jensen, J.P. Bradfield, Y. Bradford, P.S. Braund, J.A. Brody, K.S. Burgdorf, B.E. Cade, H. Cai, Q. Cai, A. Campbell, M. Canadas-Garre, E. Catamo, J.F. Chai, X. Chai, L.C. Chang, Y.C. Chang, C.H. Chen, A. Chesi, S.H. Choi, R.H. Chung, M. Cocca, M.P. Concas, C. Couture, G. Cuellar-Partida, R. Danning, E.W. Daw, F. Degenhard, G.E. Delgado, A. Delitala, A. Demirkan, X. Deng, P. Devineni, A. Dietl, M. Dimitriou, L. Dimitrov, R. Dorajoo, A.B. Ekici, J.E. Engmann, Z. Fairhurst-Hunter, A.E. Farmaki, J.D. Faul, J.C. Fernandez-Lopez, L. Forer, M. Francescatto, S. Freitag-Wolf, C. Fuchsberger, T.E. Galesloot, Y. Gao, Z. Gao, F. Geller, O. Giannakopoulou, F. Giulianini, A.P. Gjesing, A. Goel, S.D. Gordon, M. Gorski, J. Grove, X. Guo, et al. 2022. A saturated map of common genetic variants associated with human height. *Nature*. 610:704-712.
- Zaharia, O.P., S. Lanzinger, J. Rosenbauer, W. Karges, K. Mussig, S.M. Meyhofer, V. Burkart, M. Hummel, D. Raddatz, M. Roden, J. Szendroedi, and R.W. Holl. 2022a. Comorbidities in Recent-Onset Adult Type 1 Diabetes: A Comparison of German Cohorts. *Front Endocrinol (Lausanne)*. 13:760778.
- Zaharia, O.P., M. Schon, L. Loffler, K. Strassburger, C. Moser, I. Yurchenko, K. Bodis, S. Antoniou, Y. Karusheva, J. Szendroedi, V. Burkart, and M. Roden. 2022b. Metabolic Factors Predict Changes in Endothelial Function During the Early Course of Type 1 and Type 2 Diabetes. *J Clin Endocrinol Metab*. 107:e4167-e4176.
- Zhang, J., O. Pivovarov-Ramich, S. Kabisch, M. Markova, S. Hornemann, S. Sucher, S. Rohn, J. Machann, and A.F.H. Pfeiffer. 2022a. High Protein Diets Improve Liver Fat and Insulin Sensitivity by Prandial but Not Fasting Glucagon Secretion in Type 2 Diabetes. *Front Nutr*. 9:808346.
- Zhang, Y., J. Jelleschitz, T. Grune, W. Chen, Y. Zhao, M. Jia, Y. Wang, Z. Liu, and A. Hohn. 2022b. Methionine restriction - Association with redox homeostasis and implications on aging and diseases. *Redox Biol*. 57:102464.
- Zielmann, M.L., M. Jolink, C. Winkler, A. Eugster, D. Muller, M. Scholz, A.G. Ziegler, and E. Bonifacio. 2022. Autoantibodies against ATP4A are a feature of the abundant autoimmunity that develops in first-degree relatives of patients with type 1 diabetes. *Pediatr Diabetes*. 23:714-720.
- Zinterl, I., T. Ittermann, S. Schipf, S. Gross, H. Anspieler, S. Kim, R. Ewert, R. Bulow, J.P. Kuhn, M.M. Lerch, H. Volzke, S.B. Felix, M. Bahls, G. Targher, M. Dorr, and M.R.P. Markus. 2022. Low cardiopulmonary fitness is associated with higher liver fat content and higher gamma-glutamyltransferase concentrations in the general population - "The Sedentary's Liver". *Liver Int*. 42:585-594.
- Zweck, E., D. Scheiber, H.P. Schultheiss, O. Kuss, M. Kelm, M. Roden, R. Westenfeld, and J. Szendroedi. 2022. Impaired Myocardial Mitochondrial Respiration in Humans With Prediabetes: A Footprint of Prediabetic Cardiomyopathy. *Circulation*. 146:1189-1191.