



## DZD Publikationen 2016

- Adam J, Brandmaier S, Leonhardt J, et al. Metformin Effect on Nontargeted Metabolite Profiles in Patients With Type 2 Diabetes and in Multiple Murine Tissues. *Diabetes*. 2016;65(12):3776-3785.
- Adamski J. Key elements of metabolomics in the study of biomarkers of diabetes. *Diabetologia*. 2016;59(12):2497-2502.
- Aherrahrou Z, Schlossarek S, Stoelting S, et al. Knock-out of nexilin in mice leads to dilated cardiomyopathy and endomyocardial fibroelastosis. *Basic research in cardiology*. 2016;111(1):6.
- Albl B, Haesner S, Braun-Reichhart C, et al. Tissue Sampling Guides for Porcine Biomedical Models. *Toxicologic pathology*. 2016;44(3):414-420.
- Aleksandrova K, di Giuseppe R, Isermann B, et al. Circulating Omentin as a Novel Biomarker for Colorectal Cancer Risk: Data from the EPIC-Potsdam Cohort Study. *Cancer Res*. 2016;76(13):3862-3871.
- Alexaki VI, Chavakis T. The role of innate immunity in the regulation of brown and beige adipogenesis. *Reviews in endocrine & metabolic disorders*. 2016;17(1):41-49.
- Altevers J, Lukaschek K, Baumert J, et al. Poor structural social support is associated with an increased risk of Type 2 diabetes mellitus: findings from the MONICA/KORA Augsburg cohort study. *Diabetic medicine : a journal of the British Diabetic Association*. 2016;33(1):47-54.
- Altmaier E, Menni C, Heier M, et al. The Pharmacogenetic Footprint of ACE Inhibition: A Population-Based Metabolomics Study. *PLoS one*. 2016;11(4):e0153163.
- Amoroso M, Achenbach P, Powell M, et al. 3 Screen Islet Cell Autoantibody Elisa: A Sensitive and Specific Elisa For The Combined Measurement of Autoantibodies to GAD65, TO IA-2 and TO ZnT8. *Clin Chim Acta*. 2016.
- Anastasiou V, Ninou E, Alexopoulou D, et al. Aldehyde dehydrogenase activity is necessary for beta cell development and functionality in mice. *Diabetologia*. 2016;59(1):139-150.
- Angermeier E, Domes K, Lukowski R, et al. Iron deficiency anemia in cyclic GMP kinase knockout mice. *Haematologica*. 2016;101(2):e48-51.
- Apostolopoulou M, Strassburger K, Herder C, et al. Metabolic flexibility and oxidative capacity independently associate with insulin sensitivity in individuals with newly diagnosed type 2 diabetes. *Diabetologia*. 2016;59(10):2203-2207.
- Artunc F, Schleicher E, Weigert C, Fritsche A, Stefan N, Haring HU. The impact of insulin resistance on the kidney and vasculature. *Nat Rev Nephrol*. 2016;12(12):721-737.
- Ashton MP, Eugster A, Walther D, et al. Incomplete immune response to coxsackie B viruses associates with early autoimmunity against insulin. *Scientific reports*. 2016;6:32899.
- Auer MK, Cecil A, Roepke Y, et al. 12-months metabolic changes among gender dysphoric individuals under cross-sex hormone treatment: a targeted metabolomics study. *Scientific reports*. 2016;6:37005.
- Azizi Z, Lange C, Paroni F, et al. beta-MSCs: successful fusion of MSCs with beta-cells results in a beta-cell like phenotype. *Oncotarget*. 2016;7(31):48963-48977.
- Bachle C, Claessen H, Andrich S, et al. Direct costs in impaired glucose regulation: results from the population-based Heinz Nixdorf Recall study. *BMJ open diabetes research & care*. 2016;4(1):e000172.
- Bachle C, Stahl-Pehe A, Rosenbauer J. Disordered eating and insulin restriction in youths receiving intensified insulin treatment: Results from a nationwide population-based study. *The International journal of eating disorders*. 2016;49(2):191-196.
- Bachlechner U, Floegel A, Steffen A, et al. Associations of anthropometric markers with serum metabolites using a targeted metabolomics approach: results of the EPIC-potsdam study. *Nutr Diabetes*. 2016;6:e215.
- Bader E, Migliorini A, Gegg M, et al. Identification of proliferative and mature beta-cells in the islets of Langerhans. *Nature*. 2016.



- Baumeier C, Saussenthaler S, Kammel A, et al. Hepatic DPP4 DNA Methylation Associates With Fatty Liver. *Diabetes*. 2017;66(1):25-35.
- Becker K, Siegert S, Toliat MR, et al. Meta-Analysis of Genome-Wide Association Studies and Network Analysis-Based Integration with Gene Expression Data Identify New Suggestive Loci and Unravel a Wnt-Centric Network Associated with Dupuytren's Disease. *PloS one*. 2016;11(7):e0158101.
- Bekaert M, Ouwens DM, Horbelt T, et al. Reduced expression of chemerin in visceral adipose tissue associates with hepatic steatosis in patients with obesity. *Obesity (Silver Spring)*. 2016;24(12):2544-2552.
- Belgardt BF, Lammert E. DYRK1A: A Promising Drug Target for Islet Transplant-Based Diabetes Therapies. *Diabetes*. 2016;65(6):1496-1498.
- Berti L, Hartwig S, Irmeler M, et al. Impact of fibroblast growth factor 21 on the secretome of human perivascular preadipocytes and adipocytes: a targeted proteomics approach. *Archives of physiology and biochemistry*. 2016;122(5):281-288.
- Bertoletti N, Braun F, Lepage M, et al. New Insights into Human 17beta-Hydroxysteroid Dehydrogenase Type 14: First Crystal Structures in Complex with a Steroidal Ligand and with a Potent Nonsteroidal Inhibitor. *J Med Chem*. 2016;59(14):6961-6967.
- Besedovsky L, Schmidt EM, Linz B, Diekelmann S, Lange T, Born J. Signs of enhanced sleep and sleep-associated memory processing following the anti-inflammatory antibiotic minocycline in men. *J Psychopharmacol*. 2016.
- Besedovsky L, Schmidt EM, Linz B, Diekelmann S, Lange T, Born J. Signs of enhanced sleep and sleep-associated memory processing following the anti-inflammatory antibiotic minocycline in men. *J Psychopharmacol*. 2017;31(2):204-210.
- Beyerlein A, Koller D, Ziegler AG, Lack N, Maier W. Does charge-free screening improve detection of gestational diabetes in women from deprived areas: a cross-sectional study. *BMC Pregnancy Childbirth*. 2016;16:266.
- Blumensatt M, Fahlbusch P, Hilgers R, et al. Secretory products from epicardial adipose tissue from patients with type 2 diabetes impair mitochondrial beta-oxidation in cardiomyocytes via activation of the cardiac renin-angiotensin system and induction of miR-208a. *Basic research in cardiology*. 2017;112(1):2.
- Bohm A, Hoffmann C, Irmeler M, et al. TGFbeta contributes to impaired exercise response by suppression of mitochondrial key regulators in skeletal muscle. *Diabetes*. 2016.
- Bohm A, Weigert C, Staiger H, Haring HU. Exercise and diabetes: relevance and causes for response variability. *Endocrine*. 2016;51(3):390-401.
- Bohn B, Karges B, Vogel C, et al. 20 Years of Pediatric Benchmarking in Germany and Austria: Age-Dependent Analysis of Longitudinal Follow-Up in 63,967 Children and Adolescents with Type 1 Diabetes. *PloS one*. 2016;11(8):e0160971.
- Bohn B, Kerner W, Seufert J, et al. Trend of antihyperglycaemic therapy and glycaemic control in 184,864 adults with type 1 or 2 diabetes between 2002 and 2014: Analysis of real-life data from the DPV registry from Germany and Austria. *Diabetes research and clinical practice*. 2016;115:31-38.
- Bohn B, Rosenbauer J, Icks A, et al. Regional Disparities in Diabetes Care for Pediatric Patients with Type 1 Diabetes. A Cross-sectional DPV Multicenter Analysis of 24,928 German Children and Adolescents. *Experimental and clinical endocrinology & diabetes : official journal, German Society of Endocrinology [and] German Diabetes Association*. 2016;124(2):111-119.
- Bohn B, Schofl C, Zimmer V, et al. Achievement of treatment goals for secondary prevention of myocardial infarction or stroke in 29,325 patients with type 2 diabetes: a German/Austrian DPV-multicenter analysis. *Cardiovasc Diabetol*. 2016;15:72.
- Bonifacio E, Mathieu C, Nepom GT, et al. Rebranding asymptomatic type 1 diabetes: the case for autoimmune beta cell disorder as a pathological and diagnostic entity. *Diabetologia*. 2017;60(1):35-38.



- Bonisch C, Irmeler M, Brachthäuser L, et al. Dexamethasone treatment alters insulin, leptin, and adiponectin levels in male mice as observed in DIO but does not lead to alterations of metabolic phenotypes in the offspring. *Mamm Genome*. 2016;27(1-2):17-28.
- Brachs S, Winkel AF, Tang H, et al. Inhibition of citrate cotransporter Slc13a5/mINDY by RNAi improves hepatic insulin sensitivity and prevents diet-induced non-alcoholic fatty liver disease in mice. *Molecular metabolism*. 2016;5(11):1072-1082.
- Braun F, Bertolotti N, Moller G, et al. First Structure-Activity Relationship of 17beta-Hydroxysteroid Dehydrogenase Type 14 Nonsteroidal Inhibitors and Crystal Structures in Complex with the Enzyme. *J Med Chem*. 2016;59(23):10719-10737.
- Brings S, Fleming T, De Buhr S, et al. A scavenger peptide prevents methylglyoxal induced pain in mice. *Biochim Biophys Acta*. 2017;1863(3):654-662.
- Brune JE, Kern M, Kunath A, et al. Fat depot-specific expression of HOXC9 and HOXC10 may contribute to adverse fat distribution and related metabolic traits. *Obesity (Silver Spring)*. 2016;24(1):51-59.
- Burnett CJ, Li C, Webber E, et al. Hunger-Driven Motivational State Competition. *Neuron*. 2016;92(1):187-201.
- Carstensen-Kirberg M, Hatziagelaki E, Tsiavou A, et al. Sfrp5 associates with beta-cell function in humans. *European journal of clinical investigation*. 2016;46(6):535-543.
- Castro JP, Jung T, Grune T, Siems W. 4-Hydroxynonenal (HNE) modified proteins in metabolic diseases. *Free radical biology & medicine*. 2016.
- Chatzigeorgiou A, Chavakis T. Immune Cells and Metabolism. *Handb Exp Pharmacol*. 2016;233:221-249.
- Chen C, Chmelova H, Cohrs CM, et al. Alterations in beta-Cell Calcium Dynamics and Efficacy Outweigh Islet Mass Adaptation in Compensation of Insulin Resistance and Prediabetes Onset. *Diabetes*. 2016;65(9):2676-2685.
- Chen S, Kammerl IE, Vosyka O, et al. Immunoproteasome dysfunction augments alternative polarization of alveolar macrophages. *Cell death and differentiation*. 2016;23(6):1026-1037.
- Chernyak N, Julich F, Kasperidus J, et al. Time cost of diabetes: Development of a questionnaire to assess time spent on diabetes self-care. *Journal of diabetes and its complications*. 2017;31(1):260-266.
- Chernyak N, Stephan A, Bachle C, Genz J, Julich F, Icks A. Assessment of information needs in diabetes: Development and evaluation of a questionnaire. *Primary care diabetes*. 2016;10(4):287-292.
- Chmelar J, Chatzigeorgiou A, Chung KJ, et al. No Role for Mast Cells in Obesity-Related Metabolic Dysregulation. *Front Immunol*. 2016;7:524.
- Chu AY, Deng X, Fisher VA, et al. Multiethnic genome-wide meta-analysis of ectopic fat depots identifies loci associated with adipocyte development and differentiation. *Nature genetics*. 2017;49(1):125-130.
- Chubanov V, Ferioli S, Wisnowsky A, et al. Epithelial magnesium transport by TRPM6 is essential for prenatal development and adult survival. *Elife*. 2016;5.
- Come C, Cvrljevic A, Khan MM, et al. CIP2A Promotes T-Cell Activation and Immune Response to *Listeria monocytogenes* Infection. *PloS one*. 2016;11(4):e0152996.
- Cooper DK, Matsumoto S, Abalovich A, et al. Progress in Clinical Encapsulated Islet Xenotransplantation. *Transplantation*. 2016;100(11):2301-2308.
- Cornelis MC, Kacprowski T, Menni C, et al. Genome-wide association study of caffeine metabolites provides new insights to caffeine metabolism and dietary caffeine-consumption behavior. *Human molecular genetics*. 2016.
- Dahlman I, Ryden M, Brodin D, Grallert H, Strawbridge RJ, Arner P. Numerous Genes in Loci Associated With Body Fat Distribution Are Linked to Adipose Function. *Diabetes*. 2016;65(2):433-437.
- Daniels MA, Kan C, Willmes DM, et al. Pharmacogenomics in type 2 diabetes: oral antidiabetic drugs. *The pharmacogenomics journal*. 2016;16(5):399-410.



- De Angelis M, Giesert F, Finan B, et al. Determination of thyroid hormones in mouse tissues by isotope-dilution microflow liquid chromatography-mass spectrometry method. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2016;1033-1034:413-420.
- Della Torre S, Mitro N, Fontana R, et al. An Essential Role for Liver ERalpha in Coupling Hepatic Metabolism to the Reproductive Cycle. *Cell reports.* 2016;15(2):360-371.
- Deng T, Postnikov Y, Zhang S, et al. Interplay between H1 and HMGN epigenetically regulates OLIG1&2 expression and oligodendrocyte differentiation. *Nucleic acids research.* 2016.
- di Giuseppe R, Biemann R, Wirth J, et al. Plasma osteoprotegerin, its correlates, and risk of heart failure: a prospective cohort study. *European journal of epidemiology.* 2016.
- Dickinson ME, Flenniken AM, Ji X, et al. High-throughput discovery of novel developmental phenotypes. *Nature.* 2016;537(7621):508-514.
- Diederichs T, Rossbach S, Herder C, Alexy U, Buyken AE. Relevance of Morning and Evening Energy and Macronutrient Intake during Childhood for Body Composition in Early Adolescence. *Nutrients.* 2016;8(11).
- Diener S, Bayer S, Sabrautzki S, et al. Exome sequencing identifies a nonsense mutation in Fam46a associated with bone abnormalities in a new mouse model for skeletal dysplasia. *Mamm Genome.* 2016;27(3-4):111-121.
- Dietrich S, Floegel A, Troll M, et al. Random Survival Forest in practice: a method for modelling complex metabolomics data in time to event analysis. *Int J Epidemiol.* 2016;45(5):1406-1420.
- Dokas J, Chadt A, Joost HG, Al-Hasani H. Tbc1d1 deletion suppresses obesity in leptin-deficient mice. *International journal of obesity (2005).* 2016.
- Dumas ME, Adamski J, Suhre K. Guest Editorial: Special issue on metabolomics. *Arch Biochem Biophys.* 2016;589:1-3.
- Dzinic T, Hartwig S, Lehr S, Dencher NA. Oxygen and differentiation status modulate the effect of X-ray irradiation on physiology and mitochondrial proteome of human neuroblastoma cells. *Archives of physiology and biochemistry.* 2016;122(5):257-265.
- Eckel N, Meidtner K, Kalle-Uhlmann T, Stefan N, Schulze MB. Metabolically healthy obesity and cardiovascular events: A systematic review and meta-analysis. *Eur J Prev Cardiol.* 2016;23(9):956-966.
- Ehret GB, Ferreira T, Chasman DI, et al. The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. *Nature genetics.* 2016;48(10):1171-1184.
- Eisenberg T, Abdellatif M, Schroeder S, et al. Cardioprotection and lifespan extension by the natural polyamine spermidine. *Nature medicine.* 2016;22(12):1428-1438.
- Ejdesjo A, Brings S, Fleming T, Fred RG, Nawroth PP, Eriksson UJ. Receptor for advanced glycation end products (RAGE) knockout reduces fetal dysmorphogenesis in murine diabetic pregnancy. *Reproductive toxicology (Elmsford, NY).* 2016;62:62-70.
- Endesfelder D, Hagen M, Winkler C, et al. A novel approach for the analysis of longitudinal profiles reveals delayed progression to type 1 diabetes in a subgroup of multiple-islet-autoantibody-positive children. *Diabetologia.* 2016;59(10):2172-2180.
- Fall T, Salihovic S, Brandmaier S, et al. Non-targeted metabolomics combined with genetic analyses identifies bile acid synthesis and phospholipid metabolism as being associated with incident type 2 diabetes. *Diabetologia.* 2016;59(10):2114-2124.
- Fallah F, Machann J, Martirosian P, Bamberg F, Schick F, Yang B. Comparison of T1-weighted 2D TSE, 3D SPGR, and two-point 3D Dixon MRI for automated segmentation of visceral adipose tissue at 3 Tesla. *MAGMA.* 2016.
- Fehlert E, Willmann K, Fritsche L, et al. Gestational diabetes alters the fetal heart rate variability during an oral glucose tolerance test: a fetal magnetocardiography study. *BJOG.* 2016.



- Fehsel K, Schikowski T, Janner M, et al. Estrogen receptor beta polymorphisms and cognitive performance in women: associations and modifications by genetic and environmental influences. *J Neural Transm (Vienna)*. 2016;123(12):1369-1379.
- Feld GB, Wilhem I, Benedict C, et al. Central Nervous Insulin Signaling in Sleep-Associated Memory Formation and Neuroendocrine Regulation. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*. 2016;41(6):1540-1550.
- Finan B, Clemmensen C, Zhu Z, et al. Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. *Cell*. 2016;167(3):843-857 e814.
- Finan B, Muller TD, Clemmensen C, Perez-Tilve D, DiMarchi RD, Tschop MH. Reappraisal of GIP Pharmacology for Metabolic Diseases. *Trends in molecular medicine*. 2016;22(5):359-376.
- Flachsbar F, Ellinghaus D, Gentschew L, et al. ImmunoChip analysis identifies association of the RAD50/IL13 region with human longevity. *Aging cell*. 2016;15(3):585-588.
- Fleckenstein-Elsen M, Dinnies D, Jelenik T, Roden M, Romacho T, Eckel J. Eicosapentaenoic acid and arachidonic acid differentially regulate adipogenesis, acquisition of a brite phenotype and mitochondrial function in primary human adipocytes. *Mol Nutr Food Res*. 2016;60(9):2065-2075.
- Frank S, Veit R, Sauer H, et al. Dopamine Depletion Reduces Food-Related Reward Activity Independent of BMI. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*. 2016;41(6):1551-1559.
- Franko A, Huypens P, Neschen S, et al. Bezafibrate Improves Insulin Sensitivity and Metabolic Flexibility in STZ-Induced Diabetic Mice. *Diabetes*. 2016;65(9):2540-2552.
- Frey H, Moreth K, Hsieh LT, et al. A novel biological function of soluble biglycan: Induction of erythropoietin production and polycythemia. *Glycoconj J*. 2016.
- Fuchs H, Sabrautski S, Przemeczek GK, et al. The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. *G3 (Bethesda)*. 2016;6(12):4035-4046.
- Fuchsberger C, Flannick J, Teslovich TM, et al. The genetic architecture of type 2 diabetes. *Nature*. 2016.
- Fuhrmeister J, Zota A, Sijmonsma TP, et al. Fasting-induced liver GADD45beta restrains hepatic fatty acid uptake and improves metabolic health. *EMBO molecular medicine*. 2016.
- Gancheva S, Bierwagen A, Kaul K, et al. Variants in Genes Controlling Oxidative Metabolism Contribute to Lower Hepatic ATP Independent of Liver Fat Content in Type 1 Diabetes. *Diabetes*. 2016;65(7):1849-1857.
- Gancheva S, Roden M. Central Regulation of Glucose Metabolism in Humans: Fact or Fiction? *Diabetes*. 2016;65(9):2467-2469.
- Garcia-Caceres C, Quarta C, Varela L, et al. Astrocytic Insulin Signaling Couples Brain Glucose Uptake with Nutrient Availability. *Cell*. 2016;166(4):867-880.
- Gascon S, Murenu E, Masserdotti G, et al. Identification and Successful Negotiation of a Metabolic Checkpoint in Direct Neuronal Reprogramming. *Cell stem cell*. 2016;18(3):396-409.
- Gautheron J, Vucur M, Schneider AT, et al. The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. *Nature communications*. 2016;7:11869.
- Ghandour RA, Giroud M, Vegiopoulos A, et al. IP-receptor and PPARs trigger the conversion of human white to brite adipocyte induced by carbaprostacyclin. *Biochim Biophys Acta*. 2016;1861(4):285-293.
- Gil RB, Lehmann R, Schmitt-Kopplin P, Heinzmann SS. (1)H NMR-based metabolite profiling workflow to reduce inter-sample chemical shift variations in urine samples for improved biomarker discovery. *Analytical and bioanalytical chemistry*. 2016;408(17):4683-4691.
- Giroud M, Karbiener M, Pisani DF, et al. Let-7i-5p represses brite adipocyte function in mice and humans. *Scientific reports*. 2016;6:28613.
- Giroud M, Pisani DF, Karbiener M, et al. miR-125b affects mitochondrial biogenesis and impairs brite adipocyte formation and function. *Molecular metabolism*. 2016;5(8):615-625.





- Gorgens SW, Hjorth M, Eckardt K, et al. The exercise-regulated myokine chitinase-3-like protein 1 stimulates human myocyte proliferation. *Acta physiologica (Oxford, England)*. 2016;216(3):330-345.
- Greulich F, Hemmer MC, Rollins DA, Rogatsky I, Uhlenhaut NH. There goes the neighborhood: Assembly of transcriptional complexes during the regulation of metabolism and inflammation by the glucocorticoid receptor. *Steroids*. 2016;114:7-15.
- Grgurevic L, Christensen GL, Schulz TJ, Vukicevic S. Bone morphogenetic proteins in inflammation, glucose homeostasis and adipose tissue energy metabolism. *Cytokine Growth Factor Rev*. 2016;27:105-118.
- Griesser E, Vemula V, Raulien N, et al. Cross-talk between lipid and protein carbonylation in a dynamic cardiomyocyte model of mild nitroxidative stress. *Redox Biol*. 2017;11:438-455.
- Grill JI, Neumann J, Herbst A, et al. Loss of DRO1/CCDC80 results in obesity and promotes adipocyte differentiation. *Mol Cell Endocrinol*. 2017;439:286-296.
- Haftenberger M, Mensink GB, Herzog B, et al. Changes in body weight and obesity status in German adults: results of seven population-based prospective studies. *Eur J Clin Nutr*. 2016;70(3):300-305.
- Hammer E, Lilienthal E, Hofer SE, et al. Risk factors for necrobiosis lipoidica in Type 1 diabetes mellitus. *Diabetic medicine : a journal of the British Diabetic Association*. 2017;34(1):86-92.
- Hanefeld M, Pistrosch F, Bornstein SR, Birkenfeld AL. The metabolic vascular syndrome - guide to an individualized treatment. *Reviews in endocrine & metabolic disorders*. 2016;17(1):5-17.
- Hansen JS, Pedersen BK, Xu G, Lehmann R, Weigert C, Plomgaard P. Exercise-Induced Secretion of FGF21 and Follistatin Are Blocked by Pancreatic Clamp and Impaired in Type 2 Diabetes. *The Journal of clinical endocrinology and metabolism*. 2016;101(7):2816-2825.
- Haring HU. Novel phenotypes of prediabetes? *Diabetologia*. 2016;59(9):1806-1818.
- Hartkopf J, Schleger F, Weiss M, et al. Neuromagnetic signatures of syllable processing in fetuses and infants provide no evidence for habituation. *Early human development*. 2016;100:61-66.
- Hartmann T, Overhagen S, Ouwens DM, et al. Effect of the long-acting insulin analogues glargine and degludec on cardiomyocyte cell signalling and function. *Cardiovasc Diabetol*. 2016;15:96.
- Hartwig S, Kluttig A, Tiller D, et al. Anthropometric markers and their association with incident type 2 diabetes mellitus: which marker is best for prediction? Pooled analysis of four German population-based cohort studies and comparison with a nationwide cohort study. *BMJ open*. 2016;6(1):e009266.
- Hatzl S, Geiger O, Kuepper MK, et al. Increased Expression of miR-23a Mediates a Loss of Expression in the RAF Kinase Inhibitor Protein RKIP. *Cancer Res*. 2016;76(12):3644-3654.
- Hausen AC, Ruud J, Jiang H, et al. Insulin-Dependent Activation of MCH Neurons Impairs Locomotor Activity and Insulin Sensitivity in Obesity. *Cell reports*. 2016;17(10):2512-2521.
- Hausmann S, Ussar S. Insulin receptor trafficking steers insulin action. *Molecular metabolism*. 2016;5(4):253-254.
- Haynes A, Hermann JM, Miller KM, et al. Severe hypoglycemia rates are not associated with HbA1c: a cross-sectional analysis of 3 contemporary pediatric diabetes registry databases. *Pediatr Diabetes*. 2016.
- Heinke S, Ludwig B, Schubert U, et al. Diabetes induction by total pancreatectomy in minipigs with simultaneous splenectomy: a feasible approach for advanced diabetes research. *Xenotransplantation*. 2016;23(5):405-413.
- Heni M, Kullmann S, Ahlqvist E, et al. Interaction between the obesity-risk gene FTO and the dopamine D2 receptor gene ANKK1/TaqIA on insulin sensitivity. *Diabetologia*. 2016;59(12):2622-2631.
- Hennings A, Hannemann A, Rettig R, et al. Circulating Angiopoietin-2 and Its Soluble Receptor Tie-2 Concentrations Are Related to Renal Function in Two Population-Based Cohorts. *PloS one*. 2016;11(11):e0166492.



- Herder C, Furstos JF, Nowotny B, et al. Associations between inflammation-related biomarkers and depressive symptoms in individuals with recently diagnosed type 1 and type 2 diabetes. *Brain, behavior, and immunity*. 2017;61:137-145.
- Herder C, Schamarek I, Nowotny B, et al. Inflammatory markers are associated with cardiac autonomic dysfunction in recent-onset type 2 diabetes. *Heart (British Cardiac Society)*. 2016.
- Herder C, Schamarek I, Nowotny B, et al. Inflammatory markers are associated with cardiac autonomic dysfunction in recent-onset type 2 diabetes. *Heart (British Cardiac Society)*. 2017;103(1):63-70.
- Hermann JM, Rosenbauer J, Dost A, et al. Seasonal Variation in Blood Pressure in 162,135 Patients With Type 1 or Type 2 Diabetes Mellitus. *Journal of clinical hypertension (Greenwich, Conn)*. 2016;18(4):270-278.
- Hertel J, Friedrich N, Wittfeld K, et al. Measuring Biological Age via Metabonomics: The Metabolic Age Score. *Journal of proteome research*. 2016;15(2):400-410.
- Hidalgo IH, Fleming T, Eckstein V, Herzig S, Nawroth PP, Tyedmers J. Characterization of aggregate load and pattern in living yeast cells by flow cytometry. *Biotechniques*. 2016;61(3):137-148.
- Hilgard D, Konrad K, Meusers M, et al. Comorbidity of attention deficit hyperactivity disorder and type 1 diabetes in children and adolescents: Analysis based on the multicentre DPV registry. *Pediatr Diabetes*. 2016.
- Hinney A, Kesselmeier M, Jall S, et al. Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. *Molecular psychiatry*. 2017;22(2):192-201.
- Hinney A, Kesselmeier M, Jall S, et al. Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. *Molecular psychiatry*. 2016.
- Hoeflich A, Reyer A, Ohde D, et al. Dissociation of somatic growth, time of sexual maturity, and life expectancy by overexpression of an RGD-deficient IGFBP-2 variant in female transgenic mice. *Aging cell*. 2016;15(1):111-117.
- Hoene M, Li J, Li Y, et al. Muscle and liver-specific alterations in lipid and acylcarnitine metabolism after a single bout of exercise in mice. *Scientific reports*. 2016;6:22218.
- Hofer SE, Schwandt A, Holl RW, Austrian/German DPVI. Standardized Documentation in Pediatric Diabetology: Experience From Austria and Germany. *J Diabetes Sci Technol*. 2016;10(5):1042-1049.
- Hohn A, König J, Jung T. Metabolic Syndrome, Redox State, and the Proteasomal System. *Antioxid Redox Signal*. 2016;25(16):902-917.
- Hohn A, Weber D, Jung T, et al. Happily (n)ever after: Aging in the context of oxidative stress, proteostasis loss and cellular senescence. *Redox Biol*. 2017;11:482-501.
- Horn P, Metzger UB, Steidl R, et al. Chemerin in peritoneal sepsis and its associations with glucose metabolism and prognosis: a translational cross-sectional study. *Critical care (London, England)*. 2016;20:39.
- Huan T, Joehanes R, Schurmann C, et al. A Whole-Blood Transcriptome Meta-Analysis Identifies Gene Expression Signatures of Cigarette Smoking. *Human molecular genetics*. 2016.
- Huls A, Kramer U, Herder C, et al. Genetic susceptibility for air pollution-induced airway inflammation in the SALIA study. *Environmental research*. 2017;152:43-50.
- Huypens P, Sass S, Wu M, et al. Epigenetic germline inheritance of diet-induced obesity and insulin resistance. *Nature genetics*. 2016.
- Huypens P, Sass S, Wu M, et al. Epigenetic germline inheritance of diet-induced obesity and insulin resistance. *Nature genetics*. 2016;48(5):497-499.
- Icks A, Dittrich A, Brune M, et al. Agreement found between self-reported and health insurance data on physician visits comparing different recall lengths. *J Clin Epidemiol*. 2017;82:167-172.



- Indrakusuma I, Romacho T, Eckel J. Protease-Activated Receptor 2 Promotes Pro-Atherogenic Effects through Transactivation of the VEGF Receptor 2 in Human Vascular Smooth Muscle Cells. *Front Pharmacol.* 2016;7:497.
- Ingenwerth M, Reinbeck AL, Stahr A, et al. Perturbation of the molecular clockwork in the SCN of non-obese diabetic mice prior to diabetes onset. *Chronobiol Int.* 2016;33(10):1369-1375.
- Jais A, Solas M, Backes H, et al. Myeloid-Cell-Derived VEGF Maintains Brain Glucose Uptake and Limits Cognitive Impairment in Obesity. *Cell.* 2016;165(4):882-895.
- Jastroch M, Giroud S, Barrett P, Geiser F, Heldmaier G, Herwig A. Seasonal Control of Mammalian Energy Balance: Recent Advances in the Understanding of Daily Torpor and Hibernation. *Journal of neuroendocrinology.* 2016;28(11).
- Johar H, Emeny RT, Bidlingmaier M, Kruse J, Ladwig KH. Sex-related differences in the association of salivary cortisol levels and type 2 diabetes. Findings from the cross-sectional population based KORA-age study. *Psychoneuroendocrinology.* 2016;69:133-141.
- Jordan J, Birkenfeld AL. Cardiometabolic crosstalk in obesity-associated arterial hypertension. *Reviews in endocrine & metabolic disorders.* 2016;17(1):19-28.
- Jordan J, El-Armouche A, Hanefeld M, Bornstein SR, Birkenfeld AL. Comment on Ferrannini et al. CV Protection in the EMPA-REG OUTCOME Trial: A "Thrifty Substrate" Hypothesis. *Diabetes Care* 2016;39:1108-1114. *Diabetes care.* 2016;39(12):e224-e225.
- Jung B, Messias AC, Schorpp K, et al. Novel small molecules targeting ciliary transport of Smoothed and oncogenic Hedgehog pathway activation. *Scientific reports.* 2016;6:22540.
- Jung B, Padula D, Burtscher I, et al. Pitchfork and Gprasp2 Target Smoothed to the Primary Cilium for Hedgehog Pathway Activation. *PloS one.* 2016;11(2):e0149477.
- Kaiserman K, Jung H, Benabbad I, Karges B, Polak M, Rosilio M. 20 Years of insulin lispro in pediatric type 1 diabetes: a review of available evidence. *Pediatr Diabetes.* 2017;18(2):81-94.
- Kammel A, Saussenthaler S, Jahnert M, et al. Early hypermethylation of hepatic Igfbp2 results in its reduced expression preceding fatty liver in mice. *Human molecular genetics.* 2016;25(12):2588-2599.
- Kanoni S, Masca NG, Stirrups KE, et al. Analysis with the exome array identifies multiple new independent variants in lipid loci. *Human molecular genetics.* 2016;25(18):4094-4106.
- Kappler L, Li J, Haring HU, et al. Purity matters: A workflow for the valid high-resolution lipid profiling of mitochondria from cell culture samples. *Scientific reports.* 2016;6:21107.
- Karrasch S, Bruske I, Smith MP, et al. What is the impact of different spirometric criteria on the prevalence of spirometrically defined COPD and its comorbidities? Results from the population-based KORA study. *Int J Chron Obstruct Pulmon Dis.* 2016;11:1881-1894.
- Kelemen E, Fenton AA. Coordinating different representations in the hippocampus. *Neurobiol Learn Mem.* 2016;129:50-59.
- Keller J, Kahlhofer J, Peter A, Bosy-Westphal A. Effects of Low versus High Glycemic Index Sugar-Sweetened Beverages on Postprandial Vasodilatation and Inactivity-Induced Impairment of Glucose Metabolism in Healthy Men. *Nutrients.* 2016;8(12).
- Khan A, Dellago H, Terlecki-Zaniewicz L, et al. SNEVhPrp19/hPso4 Regulates Adipogenesis of Human Adipose Stromal Cells. *Stem Cell Reports.* 2017;8(1):21-29.
- Kiene LS, Homann S, Suvorava T, et al. Deletion of Hyaluronan Synthase 3 Inhibits Neointimal Hyperplasia in Mice. *Arteriosclerosis, thrombosis, and vascular biology.* 2016;36(2):e9-16.
- Kilpelainen TO, Carli JF, Skowronski AA, et al. Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. *Nature communications.* 2016;7:10494.
- Kirsch F. Economic Evaluations of Multicomponent Disease Management Programs with Markov Models: A Systematic Review. *Value Health.* 2016;19(8):1039-1054.





- Kirsten H, Scholz M, Kovacs P, et al. Genetic variants of lipase activity in chronic pancreatitis. *Gut*. 2016;65(1):184-185.
- Kische H, Ewert R, Fietze I, et al. Sex hormones and sleep in men and women from the general population: a cross-sectional observational study. *The Journal of clinical endocrinology and metabolism*. 2016;jc20161832.
- Kistler M, Muntean A, Szymczak W, et al. Diet-induced and mono-genetic obesity alter volatile organic compound signature in mice. *Journal of breath research*. 2016;10(1):016009.
- Klancic T, Woodward L, Hofmann SM, Fisher EA. High density lipoprotein and metabolic disease: Potential benefits of restoring its functional properties. *Molecular metabolism*. 2016;5(5):321-327.
- Kleinridders A. Deciphering Brain Insulin Receptor and Insulin-Like Growth Factor 1 Receptor Signalling. *Journal of neuroendocrinology*. 2016;28(11).
- Klement J, Ott V, Rapp K, et al. Oxytocin Improves beta-Cell Responsivity and Glucose Tolerance in Healthy Men. *Diabetes*. 2017;66(2):264-271.
- Klingler C, Zhao X, Adhikary T, et al. Lysophosphatidylcholines activate PPARdelta and protect human skeletal muscle cells from lipotoxicity. *Biochim Biophys Acta*. 2016;1861(12 Pt A):1980-1992.
- Knacke H, Pietzner M, Do KT, et al. Metabolic Fingerprints of Circulating IGF-1 and the IGF-1/IGFBP-3 Ratio: A Multifluid Metabolomics Study. *The Journal of clinical endocrinology and metabolism*. 2016;101(12):4730-4742.
- Knebel B, Lehr S, Janssen OE, et al. Association between copy-number variation on metabolic phenotypes and HDL-C levels in patients with polycystic ovary syndrome. *Mol Biol Rep*. 2017;44(1):51-61.
- Knebel B, Mack S, Lehr S, et al. Untargeted mass spectrometric approach in metabolic healthy offspring of patients with type 2 diabetes reveals medium-chain acylcarnitine as potential biomarker for lipid induced glucose intolerance (LGIT). *Archives of physiology and biochemistry*. 2016;122(5):266-280.
- Knebel B, Strassburger K, Szendroedi J, et al. Specific metabolic profiles and their relationship to insulin resistance in recent-onset type-1 and type-2 diabetes. *The Journal of clinical endocrinology and metabolism*. 2016;jc20154133.
- Koch CA, Bornstein SR, Birkenfeld AL. Introduction to Hanefeld Symposium: 40+ years of metabolic syndrome. *Reviews in endocrine & metabolic disorders*. 2016;17(1):1-4.
- Koliaki C, Roden M. Alterations of Mitochondrial Function and Insulin Sensitivity in Human Obesity and Diabetes Mellitus. *Annual review of nutrition*. 2016;36:337-367.
- Kong B, Wu W, Cheng T, et al. A subset of metastatic pancreatic ductal adenocarcinomas depends quantitatively on oncogenic Kras/Mek/Erk-induced hyperactive mTOR signalling. *Gut*. 2016;65(4):647-657.
- Konig J, Besoke F, Stuetz W, et al. Quantification of age-related changes of alpha-tocopherol in lysosomal membranes in murine tissues and human fibroblasts. *BioFactors (Oxford, England)*. 2016;42(3):307-315.
- Konrad K, Vogel C, Bollow E, et al. Current practice of diabetes education in children and adolescents with type 1 diabetes in Germany and Austria: analysis based on the German/Austrian DPV database. *Pediatr Diabetes*. 2016;17(7):483-491.
- Korner G, Scherer T, Adamsen D, et al. Mildly compromised tetrahydrobiopterin cofactor biosynthesis due to Pts variants leads to unusual body fat distribution and abdominal obesity in mice. *J Inherit Metab Dis*. 2016.
- Korner G, Scherer T, Adamsen D, et al. Mildly compromised tetrahydrobiopterin cofactor biosynthesis due to Pts variants leads to unusual body fat distribution and abdominal obesity in mice. *J Inherit Metab Dis*. 2016;39(2):309-319.



- Kosfeld A, Kreuzer M, Daniel C, et al. Whole-exome sequencing identifies mutations of TBC1D1 encoding a Rab-GTPase-activating protein in patients with congenital anomalies of the kidneys and urinary tract (CAKUT). *Human genetics*. 2016;135(1):69-87.
- Kragl M, Schubert R, Karsjens H, et al. The biomechanical properties of an epithelial tissue determine the location of its vasculature. *Nature communications*. 2016;7:13560.
- Kriebel J, Herder C, Rathmann W, et al. Association between DNA Methylation in Whole Blood and Measures of Glucose Metabolism: KORA F4 Study. *PloS one*. 2016;11(3):e0152314.
- Krumsiek J, Bartel J, Theis FJ. Computational approaches for systems metabolomics. *Current opinion in biotechnology*. 2016;39:198-206.
- Kruse M, Keyhani-Nejad F, Isken F, et al. High-Fat Diet During Mouse Pregnancy and Lactation Targets GIP-Regulated Metabolic Pathways in Adult Male Offspring. *Diabetes*. 2016;65(3):574-584.
- Kullmann S, Callaghan MF, Heni M, et al. Specific white matter tissue microstructure changes associated with obesity. *NeuroImage*. 2016;125:36-44.
- Kullmann S, Heni M, Hallschmid M, Fritsche A, Preissl H, Haring HU. Brain Insulin Resistance at the Crossroads of Metabolic and Cognitive Disorders in Humans. *Physiological reviews*. 2016;96(4):1169-1209.
- Kumar R, Nawroth PP, Tyedmers J. Prion Aggregates Are Recruited to the Insoluble Protein Deposit (IPOD) via Myosin 2-Based Vesicular Transport. *PLoS genetics*. 2016;12(9):e1006324.
- Kumar S, Rathkolb B, Kemter E, et al. Generation and Standardized, Systemic Phenotypic Analysis of Pou3f3L423P Mutant Mice. *PloS one*. 2016;11(3):e0150472.
- Kuske S, Moschinski K, Andrich S, et al. Drug-based pain management in people with dementia after hip or pelvic fractures: a systematic review protocol. *Syst Rev*. 2016;5(1):113.
- Kuter K, Kratochwil M, Marx SH, et al. Native DIGE proteomic analysis of mitochondria from substantia nigra and striatum during neuronal degeneration and its compensation in an animal model of early Parkinson's disease. *Archives of physiology and biochemistry*. 2016;122(5):238-256.
- Lacruz ME, Kluttig A, Tiller D, et al. Cardiovascular Risk Factors Associated With Blood Metabolite Concentrations and Their Alterations During a 4-Year Period in a Population-Based Cohort. *Circulation Cardiovascular genetics*. 2016;9(6):487-494.
- Laimer M, Melmer A, Mader JK, et al. Variability of Basal Rate Profiles in Insulin Pump Therapy and Association with Complications in Type 1 Diabetes Mellitus. *PloS one*. 2016;11(3):e0150604.
- Laimighofer M, Krumsiek J, Buettner F, Theis FJ. Unbiased Prediction and Feature Selection in High-Dimensional Survival Regression. *Journal of computational biology : a journal of computational molecular cell biology*. 2016;23(4):279-290.
- Lamina C, Friedel S, Coassin S, et al. A genome-wide association meta-analysis on apolipoprotein A-IV concentrations. *Human molecular genetics*. 2016;25(16):3635-3646.
- Laxy M, Knoll G, Schunk M, Meisinger C, Huth C, Holle R. Quality of Diabetes Care in Germany Improved from 2000 to 2007 to 2014, but Improvements Diminished since 2007. Evidence from the Population-Based KORA Studies. *PloS one*. 2016;11(10):e0164704.
- Lee IS, Wang H, Chae Y, Preissl H, Enck P. Functional neuroimaging studies in functional dyspepsia patients: a systematic review. *Neurogastroenterol Motil*. 2016;28(6):793-805.
- Lee M, Minaskan N, Wiedemann T, et al. Targeting PI3K/mTOR signaling exerts potent antitumor activity in pheochromocytoma in vivo. *Endocr Relat Cancer*. 2017;24(1):1-15.
- Leng G, Adan RA, Belot M, et al. The determinants of food choice. *Proc Nutr Soc*. 2016:1-12.
- Li M, Li Y, Weeks O, et al. SOS2 and ACP1 Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. *J Am Soc Nephrol*. 2017;28(3):981-994.
- Lietzow J, Golchert J, Homuth G, Volker U, Jonas W, Kohrle J. 3,5-T2 alters murine genes relevant for xenobiotic, steroid, and thyroid hormone metabolism. *J Mol Endocrinol*. 2016;56(4):311-323.



- Ligthart S, Marzi C, Aslibekyan S, et al. DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. *Genome Biol.* 2016;17(1):255.
- Liu C, Kraja AT, Smith JA, et al. Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci. *Nature genetics.* 2016;48(10):1162-1170.
- Liu C, Marioni RE, Hedman AK, et al. A DNA methylation biomarker of alcohol consumption. *Molecular psychiatry.* 2016.
- Lohkamp LN, Ollinger R, Chatzigeorgiou A, Illigens BM, Siepmann T. Intraoperative biomarkers in renal transplantation. *Nephrology (Carlton, Vic).* 2016;21(3):188-199.
- Lu Y, Day FR, Gustafsson S, et al. New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature communications.* 2016;7:10495.
- Lukaschek K, Baumert J, Kruse J, Ladwig KH. The Association of Social Inhibition and Posttraumatic Stress Disorder: A Vicious Circle?: Results From the Population-Based KORA F4 Study With 1232 Participants With Trauma Exposure. *The Journal of nervous and mental disease.* 2016;204(4):261-266.
- Lundbom J, Bierwagen A, Bodis K, et al. Deep subcutaneous adipose tissue lipid unsaturation associates with intramyocellular lipid content. *Metabolism: clinical and experimental.* 2016;65(9):1230-1237.
- Machicao F, Peter A, Machann J, et al. Glucose-Raising Polymorphisms in the Human Clock Gene Cryptochrome 2 (CRY2) Affect Hepatic Lipid Content. *PloS one.* 2016;11(1):e0145563.
- Maier F, Demmelmair H, Fugmann M, et al. Contribution of glycerophospholipids and sphingomyelin to the circulating NEFA. Prostaglandins, leukotrienes, and essential fatty acids. 2016;110:55-61.
- Markgraf DF, Al-Hasani H, Lehr S. Lipidomics-Reshaping the Analysis and Perception of Type 2 Diabetes. *Int J Mol Sci.* 2016;17(11).
- Markmann JF, Bartlett ST, Johnson P, et al. Executive Summary of IPITA-TTS Opinion Leaders Report on the Future of beta-Cell Replacement. *Transplantation.* 2016.
- Markova M, Pivovarova O, Hornemann S, et al. Isocaloric Diets High in Animal or Plant Protein Reduce Liver Fat and Inflammation in Individuals With Type 2 Diabetes. *Gastroenterology.* 2017;152(3):571-585 e578.
- Markus MR, Dorr M. Relation of Early and Late Stages of Glucose Metabolism Disturbances With Left Ventricular Geometry and Function: Are Sugar Kisses Bad for the Heart? *Circ Cardiovasc Imaging.* 2016;9(10).
- Markus MR, Meffert PJ, Baumeister SE, et al. Association between hepatic steatosis and serum liver enzyme levels with atrial fibrillation in the general population: The Study of Health in Pomerania (SHIP). *Atherosclerosis.* 2016;245:123-131.
- Marzi C, Holdt LM, Fiorito G, et al. Epigenetic Signatures at AQP3 and SOCS3 Engage in Low-Grade Inflammation across Different Tissues. *PloS one.* 2016;11(11):e0166015.
- Matteini AM, Tanaka T, Karasik D, et al. GWAS analysis of handgrip and lower body strength in older adults in the CHARGE consortium. *Aging cell.* 2016;15(5):792-800.
- Mauch L, Steidle G, Machann J, Yang B, Schick F. A fully automatic reference deconvolution strategy to increase the accuracy of in vivo lipid signal quantification. *Magnetic resonance in medicine : official journal of the Society of Magnetic Resonance in Medicine / Society of Magnetic Resonance in Medicine.* 2016;75(4):1391-1401.
- Mendler M, Riedinger C, Schlotterer A, et al. Reduction in ins-7 gene expression in non-neuronal cells of high glucose exposed *Caenorhabditis elegans* protects from reactive metabolites, preserves neuronal structure and head motility, and prolongs lifespan. *Journal of diabetes and its complications.* 2017;31(2):304-310.
- Menzel J, Di Giuseppe R, Biemann R, et al. Association between omentin-1, adiponectin and bone health under consideration of osteoprotegerin as possible mediator. *J Endocrinol Invest.* 2016;39(11):1347-1355.



- Menzel J, di Giuseppe R, Biemann R, et al. Omentin-1 and risk of myocardial infarction and stroke: Results from the EPIC-Potsdam cohort study. *Atherosclerosis*. 2016;251:415-421.
- Merger SR, Kerner W, Stadler M, et al. Prevalence and comorbidities of double diabetes. *Diabetes research and clinical practice*. 2016;119:48-56.
- Merz B, Nothlings U, Wahl S, et al. Specific Metabolic Markers Are Associated with Future Waist-Gaining Phenotype in Women. *PloS one*. 2016;11(6):e0157733.
- Meyer A, Paroni F, Gunther K, et al. Evaluation of Existing Methods for Human Blood mRNA Isolation and Analysis for Large Studies. *PloS one*. 2016;11(8):e0161778.
- Migliorini A, Roscioni SS, Lickert H. Targeting insulin-producing beta cells for regenerative therapy. *Diabetologia*. 2016;59(9):1838-1842.
- Morgenstern J, Fleming T, Schumacher D, et al. Loss of Glyoxalase 1 Induces Compensatory Mechanism to Achieve Dicarbonyl Detoxification in Mammalian Schwann Cells. *The Journal of biological chemistry*. 2017;292(8):3224-3238.
- Morozov VA, Ludwig S, Ludwig B, et al. Islet cell transplantation from Gottingen minipigs to cynomolgus monkeys: analysis of virus safety. *Xenotransplantation*. 2016;23(4):320-327.
- Much D, Beyerlein A, Kindt A, et al. Lactation is associated with altered metabolomic signatures in women with gestational diabetes. *Diabetologia*. 2016.
- Mueller KM, Hartmann K, Kaltenecker D, et al. Adipocyte Glucocorticoid Receptor Deficiency Attenuates Aging- and HFD-Induced Obesity and Impairs the Feeding-Fasting Transition. *Diabetes*. 2017;66(2):272-286.
- Mulay SR, Eberhard JN, Desai J, et al. Hyperoxaluria Requires TNF Receptors to Initiate Crystal Adhesion and Kidney Stone Disease. *J Am Soc Nephrol*. 2017;28(3):761-768.
- Muller N, Khunti K, Kuss O, et al. Is there evidence of potential overtreatment of glycaemia in elderly people with type 2 diabetes? Data from the GUIDANCE study. *Acta Diabetol*. 2017;54(2):209-214.
- Muller TD, Tschop MH, O'Rahilly S. Metabolic Precision Medicines: Curing POMC Deficiency. *Cell metabolism*. 2016;24(2):194-195.
- Muschet C, Moller G, Prehn C, de Angelis MH, Adamski J, Tokarz J. Removing the bottlenecks of cell culture metabolomics: fast normalization procedure, correlation of metabolites to cell number, and impact of the cell harvesting method. *Metabolomics*. 2016;12(10):151.
- Mziaut H, Mulligan B, Hoboth P, et al. The F-actin modifier villin regulates insulin granule dynamics and exocytosis downstream of islet cell autoantigen 512. *Molecular metabolism*. 2016;5(8):656-668.
- Nagl K, Hermann JM, Plamper M, et al. Factors contributing to partial remission in type 1 diabetes: analysis based on the insulin dose-adjusted HbA1c in 3657 children and adolescents from Germany and Austria. *Pediatr Diabetes*. 2016.
- Narres M, Claessen H, Droste S, et al. The Incidence of End-Stage Renal Disease in the Diabetic (Compared to the Non-Diabetic) Population: A Systematic Review. *PloS one*. 2016;11(1):e0147329.
- Nati M, Haddad D, Birkenfeld AL, Koch CA, Chavakis T, Chatzigeorgiou A. The role of immune cells in metabolism-related liver inflammation and development of non-alcoholic steatohepatitis (NASH). *Reviews in endocrine & metabolic disorders*. 2016;17(1):29-39.
- Nestor CE, Lentini A, Hagg Nilsson C, et al. 5-Hydroxymethylcytosine Remodeling Precedes Lineage Specification during Differentiation of Human CD4(+) T Cells. *Cell reports*. 2016;16(2):559-570.
- Nikolic N, Gorgens SW, Thoresen GH, Aas V, Eckel J, Eckardt K. Electrical pulse stimulation of cultured skeletal muscle cells as a model for in vitro exercise - possibilities and limitations. *Acta physiologica (Oxford, England)*. 2016.
- Nowak C, Salihovic S, Ganna A, et al. Effect of Insulin Resistance on Monounsaturated Fatty Acid Levels: A Multi-cohort Non-targeted Metabolomics and Mendelian Randomization Study. *PLoS genetics*. 2016;12(10):e1006379.



- Nowotny B, Zahiragic L, Bierwagen A, et al. Erratum to: Low-energy diets differing in fibre, red meat and coffee intake equally improve insulin sensitivity in type 2 diabetes: a randomised feasibility trial. *Diabetologia*. 2016;59(6):1329.
- Oliverio M, Schmidt E, Mauer J, et al. Dicer1-miR-328-Bace1 signalling controls brown adipose tissue differentiation and function. *Nature cell biology*. 2016;18(3):328-336.
- Ordelheide AM, Gommer N, Bohm A, et al. Granulocyte colony-stimulating factor (G-CSF): A saturated fatty acid-induced myokine with insulin-desensitizing properties in humans. *Molecular metabolism*. 2016;5(4):305-316.
- Ott C, König J, Hohn A, Jung T, Grune T. Macroautophagy is impaired in old murine brain tissue as well as in senescent human fibroblasts. *Redox Biol*. 2016;10:266-273.
- Ott C, König J, Hohn A, Jung T, Grune T. Reduced autophagy leads to an impaired ferritin turnover in senescent fibroblasts. *Free radical biology & medicine*. 2016;101:325-333.
- Otter S, Lammert E. Exciting Times for Pancreatic Islets: Glutamate Signaling in Endocrine Cells. *Trends in endocrinology and metabolism: TEM*. 2016;27(3):177-188.
- Overhagen S, Blumensatt M, Fahlbusch P, et al. Soluble CD14 inhibits contractile function and insulin action in primary adult rat cardiomyocytes. *Biochim Biophys Acta*. 2017;1863(2):365-374.
- Pacaud D, Schwandt A, de Beaufort C, et al. A description of clinician reported diagnosis of type 2 diabetes and other non-type 1 diabetes included in a large international multicentered pediatric diabetes registry (SWEET). *Pediatr Diabetes*. 2016;17 Suppl 23:24-31.
- Paprott R, Muhlenbruch K, Mensink GB, et al. Validation of the German Diabetes Risk Score among the general adult population: findings from the German Health Interview and Examination Surveys. *BMJ open diabetes research & care*. 2016;4(1):e000280.
- Paroni Sterbini F, Palladini A, Masucci L, et al. Effects of Proton Pump Inhibitors on the Gastric Mucosa-Associated Microbiota in Dyspeptic Patients. *Appl Environ Microbiol*. 2016;82(22):6633-6644.
- Pattaro C, Teumer A, Gorski M, et al. Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nature communications*. 2016;7:10023.
- Paul DS, Teschendorff AE, Dang MA, et al. Increased DNA methylation variability in type 1 diabetes across three immune effector cell types. *Nature communications*. 2016;7:13555.
- Pehserl AM, Ress AL, Stanzer S, et al. Comprehensive Analysis of miRNome Alterations in Response to Sorafenib Treatment in Colorectal Cancer Cells. *Int J Mol Sci*. 2016;17(12).
- Perez-Rivas LG, Rhayem Y, Sabrautzki S, et al. Genetic characterization of a mouse line with primary aldosteronism. *J Mol Endocrinol*. 2017;58(2):67-78.
- Pesta D, Burtscher M. Importance of Determining Maximal Heart Rate for Providing a Standardized Training Stimulus. *JAMA Intern Med*. 2016;176(12):1883.
- Peter RS, Brehme T, Volzke H, Muche R, Rothenbacher D, Buchele G. Epidemiologic research topics in Germany: a keyword network analysis of 2014 DGEpi conference presentations. *European journal of epidemiology*. 2016;31(6):635-638.
- Peters AS, Lercher M, Fleming TH, et al. Reduced glyoxalase 1 activity in carotid artery plaques of nondiabetic patients with increased hemoglobin A1c level. *Journal of vascular surgery*. 2016;64(4):990-994.
- Pfaff DH, Fleming T, Nawroth P, Telean AA. Evidence Against a Role for the Parkinsonism-associated Protein DJ-1 in Methylglyoxal Detoxification. *The Journal of biological chemistry*. 2017;292(2):685-690.
- Pfluger PT, Tschöp MH. Obesity: will withaferin win the war? *Nature medicine*. 2016;22(9):970-971.
- Pietiläinen KH, Ismail K, Jarvinen E, et al. DNA methylation and gene expression patterns in adipose tissue differ significantly within young adult monozygotic BMI-discordant twin pairs. *International journal of obesity (2005)*. 2016;40(4):654-661.





- Pivovarov O, Hohn A, Grune T, Pfeiffer AF, Rudovich N. Insulin-degrading enzyme: new therapeutic target for diabetes and Alzheimer's disease? *Ann Med*. 2016;48(8):614-624.
- Popadic Gacesa J, Schick F, Machann J, Grujic N. Intramyocellular lipids and their dynamics assessed by <sup>1</sup>H magnetic resonance spectroscopy. *Clinical physiology and functional imaging*. 2016.
- Prinz J, Vogt I, Adornetto G, Campillos M. A Novel Drug-Mouse Phenotypic Similarity Method Detects Molecular Determinants of Drug Effects. *PLoS Comput Biol*. 2016;12(9):e1005111.
- Prinz N, Ebner S, Grunerbel A, et al. Female sex, young age, northern German residence, hypoglycemia and disabling diabetes complications are associated with depressed mood in the WHO-5 questionnaire - A multicenter DPV study among 17,563 adult patients with type 2 diabetes. *J Affect Disord*. 2017;208:384-391.
- Prinz N, Stingl J, Dapp A, et al. High rate of hypoglycemia in 6770 type 2 diabetes patients with comorbid dementia: A multicenter cohort study on 215,932 patients from the German/Austrian diabetes registry. *Diabetes research and clinical practice*. 2016;112:73-81.
- Prokesch A, Graef FA, Madl T, et al. Liver p53 is stabilized upon starvation and required for amino acid catabolism and gluconeogenesis. *FASEB J*. 2017;31(2):732-742.
- Quarta C, Sanchez-Garrido MA, Tschop MH, Clemmensen C. Renaissance of leptin for obesity therapy. *Diabetologia*. 2016;59(5):920-927.
- Rahe C, Khil L, Wellmann J, Baune BT, Arolt V, Berger K. Impact of major depressive disorder, distinct subtypes, and symptom severity on lifestyle in the BiDirect Study. *Psychiatry Res*. 2016;245:164-171.
- Randrianarisoa E, Lehn-Stefan A, Wang X, et al. Relationship of Serum Trimethylamine N-Oxide (TMAO) Levels with early Atherosclerosis in Humans. *Scientific reports*. 2016;6:26745.
- Reeg S, Jung T, Castro JP, Davies KJ, Henze A, Grune T. The Molecular Chaperone Hsp70 Promotes the Proteolytic Removal of Oxidatively Damaged Proteins by the Proteasome. *Free radical biology & medicine*. 2016.
- Reinauer C, Meissner T, Roden M, et al. Low prevalence of patients with mitochondrial disease in the German/Austrian DPV diabetes registry. *Eur J Pediatr*. 2016;175(5):613-622.
- Reinauer C, Meissner T, Roden M, et al. Reply to: mitochondrial diabetes in Germany and Austria. *Eur J Pediatr*. 2016;175(12):2025-2026.
- Reinehr T, Karges B, Meissner T, et al. Inflammatory Markers in Obese Adolescents with Type 2 Diabetes and Their Relationship to Hepatokines and Adipokines. *The Journal of pediatrics*. 2016.
- Reinehr T, Woelfle J, Wiegand S, et al. Leptin but not adiponectin is related to type 2 diabetes mellitus in obese adolescents. *Pediatr Diabetes*. 2016;17(4):281-288.
- Renner S, Blutke A, Streckel E, Wanke R, Wolf E. Incretin actions and consequences of incretin-based therapies: lessons from complementary animal models. *The Journal of pathology*. 2016;238(2):345-358.
- Renner S, Dobenecker B, Blutke A, et al. Comparative aspects of rodent and nonrodent animal models for mechanistic and translational diabetes research. *Theriogenology*. 2016.
- Ried JS, Jeff MJ, Chu AY, et al. A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. *Nature communications*. 2016;7:13357.
- Rieger A, Kemter E, Kumar S, et al. Missense Mutation of POU Domain Class 3 Transcription Factor 3 in Pou3f3L423P Mice Causes Reduced Nephron Number and Impaired Development of the Thick Ascending Limb of the Loop of Henle. *PloS one*. 2016;11(7):e0158977.
- Rizner TL, Sasano H, Choi MH, Odermatt A, Adamski J. Recommendations for description and validation of antibodies for research use. *The Journal of steroid biochemistry and molecular biology*. 2016;156:40-42.
- Roden M. The liver in focus. *Diabetologia*. 2016.
- Roden M. [Diabetes mellitus: definition, classification and diagnosis]. *Wiener klinische Wochenschrift*. 2016;128 Suppl 2:37-40.



- Rohling M, Herder C, Stemper T, Mussig K. Influence of Acute and Chronic Exercise on Glucose Uptake. *Journal of diabetes research*. 2016;2016:2868652.
- Rohling M, Strom A, Bonhof G, et al. Differential Patterns of Impaired Cardiorespiratory Fitness and Cardiac Autonomic Dysfunction in Recently Diagnosed Type 1 and Type 2 Diabetes. *Diabetes care*. 2017;40(2):246-252.
- Rohrborn D, Bruckner J, Sell H, Eckel J. Reduced DPP4 activity improves insulin signaling in primary human adipocytes. *Biochemical and biophysical research communications*. 2016;471(3):348-354.
- Romacho T, Vallejo S, Villalobos LA, et al. Soluble dipeptidyl peptidase-4 induces microvascular endothelial dysfunction through proteinase-activated receptor-2 and thromboxane A2 release. *J Hypertens*. 2016;34(5):869-876.
- Roscioni SS, Migliorini A, Gegg M, Lickert H. Impact of islet architecture on beta-cell heterogeneity, plasticity and function. *Nature reviews Endocrinology*. 2016;12(12):695-709.
- Rosenbauer J, Tamayo T, Bachle C, et al. Ambient air pollution and early manifestation of type 1 diabetes. *Epidemiology (Cambridge, Mass)*. 2016.
- Rosenbauer J, Tamayo T, Bachle C, et al. Re: Ambient Air Pollution and Early Manifestation of Type 1 Diabetes. *Epidemiology (Cambridge, Mass)*. 2016;27(4):e25-26.
- Roszbach S, Diederichs T, Bolzenius K, Herder C, Buyken AE, Alexy U. Age and time trends in eating frequency and duration of nightly fasting of German children and adolescents. *Eur J Nutr*. 2016.
- Rotter M, Brandmaier S, Prehn C, et al. Stability of targeted metabolite profiles of urine samples under different storage conditions. *Metabolomics*. 2017;13(1):4.
- Ruckerl R, Schneider A, Hampel R, et al. Association of novel metrics of particulate matter with vascular markers of inflammation and coagulation in susceptible populations -results from a panel study. *Environmental research*. 2016;150:337-347.
- Sabrautzki S, Sandholzer MA, Lorenz-Depiereux B, et al. Viable Ednra Y129F mice feature human mandibulofacial dysostosis with alopecia (MFDA) syndrome due to the homologue mutation. *Mamm Genome*. 2016;27(11-12):587-598.
- Safita N, Islam SM, Chow CK, et al. The impact of type 2 diabetes on health related quality of life in Bangladesh: results from a matched study comparing treated cases with non-diabetic controls. *Health Qual Life Outcomes*. 2016;14(1):129.
- Sanchez-Garrido MA, Habegger KM, Clemmensen C, et al. Fibroblast activation protein (FAP) as a novel metabolic target. *Molecular metabolism*. 2016;5(10):1015-1024.
- Sartorius T, Hennige AM, Fritsche A, Haring HU. Sustained Treatment with Insulin Detemir in Mice Alters Brain Activity and Locomotion. *PloS one*. 2016;11(9):e0162124.
- Schafer M, Oeing CU, Rohm M, et al. Ataxin-10 is part of a cachexokine cocktail triggering cardiac metabolic dysfunction in cancer cachexia. *Molecular metabolism*. 2016;5(2):67-78.
- Schamarek I, Herder C, Nowotny B, et al. Adiponectin, markers of subclinical inflammation and nerve conduction in individuals with recently diagnosed type 1 and type 2 diabetes. *European journal of endocrinology / European Federation of Endocrine Societies*. 2016.
- Scheideler M. MicroRNAs in adipocyte formation and obesity. *Best Pract Res Clin Endocrinol Metab*. 2016;30(5):653-664.
- Scherm MG, Ott VB, Daniel C. Follicular Helper T Cells in Autoimmunity. *Curr Diab Rep*. 2016;16(8):75.
- Schlööt NC, Haupt A, Schütt M, et al. Risk of severe hypoglycemia in sulfonylurea-treated patients from diabetes centers in Germany/Austria: How big is the problem? Which patients are at risk? *Diabetes/metabolism research and reviews*. 2016;32(3):316-324.
- Schmaal L, Hibar DP, Samann PG, et al. Cortical abnormalities in adults and adolescents with major depression based on brain scans from 20 cohorts worldwide in the ENIGMA Major Depressive Disorder Working Group. *Molecular psychiatry*. 2016.



- Schmitt A, Reimer A, Hermanns N, et al. Assessing Diabetes Self-Management with the Diabetes Self-Management Questionnaire (DSMQ) Can Help Analyse Behavioural Problems Related to Reduced Glycaemic Control. *PloS one*. 2016;11(3):e0150774.
- Schmitt A, Reimer A, Hermanns N, et al. Depression is linked to hyperglycaemia via suboptimal diabetes self-management: A cross-sectional mediation analysis. *J Psychosom Res*. 2017;94:17-23.
- Schottker B, Rathmann W, Herder C, et al. HbA1c levels in non-diabetic older adults - No J-shaped associations with primary cardiovascular events, cardiovascular and all-cause mortality after adjustment for confounders in a meta-analysis of individual participant data from six cohort studies. *BMC Med*. 2016;14:26.
- Schroder T, Kucharczyk D, Bar F, et al. Mitochondrial gene polymorphisms alter hepatic cellular energy metabolism and aggravate diet-induced non-alcoholic steatohepatitis. *Molecular metabolism*. 2016;5(4):283-295.
- Schultes B, Panknin AK, Hallschmid M, et al. Glycemic increase induced by intravenous glucose infusion fails to affect hunger, appetite, or satiety following breakfast in healthy men. *Appetite*. 2016;105:562-566.
- Schulz TJ, Graja A, Huang TL, et al. Loss of BMP receptor type 1A in murine adipose tissue attenuates age-related onset of insulin resistance. *Diabetologia*. 2016;59(8):1769-1777.
- Schwandt A, Hermann JM, Rosenbauer J, et al. Longitudinal Trajectories of Metabolic Control From Childhood to Young Adulthood in Type 1 Diabetes From a Large German/Austrian Registry: A Group-Based Modeling Approach. *Diabetes care*. 2017;40(3):309-316.
- Sekula P, Goek ON, Quaye L, et al. A Metabolome-Wide Association Study of Kidney Function and Disease in the General Population. *J Am Soc Nephrol*. 2016;27(4):1175-1188.
- Serr I, Furst RW, Achenbach P, et al. Type 1 diabetes vaccine candidates promote human Foxp3(+)Treg induction in humanized mice. *Nature communications*. 2016;7:10991.
- Shah P, Lueschen N, Ardestani A, et al. Angiopoetin-2 Signals Do Not Mediate the Hypervascularization of Islets in Type 2 Diabetes. *PloS one*. 2016;11(9):e0161834.
- Shahzad K, Bock F, Al-Dabet MM, et al. Caspase-1, but Not Caspase-3, Promotes Diabetic Nephropathy. *J Am Soc Nephrol*. 2016;27(8):2270-2275.
- Shahzad K, Bock F, Al-Dabet MM, et al. Stabilization of endogenous Nrf2 by minocycline protects against Nlrp3-inflammasome induced diabetic nephropathy. *Scientific reports*. 2016;6:34228.
- Sherr JL, Hermann JM, Campbell F, et al. Use of insulin pump therapy in children and adolescents with type 1 diabetes and its impact on metabolic control: comparison of results from three large, transatlantic paediatric registries. *Diabetologia*. 2016;59(1):87-91.
- Siegel-Axel DI, Haring HU. Perivascular adipose tissue: An unique fat compartment relevant for the cardiometabolic syndrome. *Reviews in endocrine & metabolic disorders*. 2016;17(1):51-60.
- Silveira JL, Albers M, Vargas DM, et al. Reduced Bone Stiffness in Women Is Associated with Clinical Attachment and Tooth Loss: The Study of Health in Pomerania. *J Dent Res*. 2016;95(13):1464-1471.
- Silvani S, Konicar L, Prats-Sedano MA, et al. Tactile event-related potentials in amyotrophic lateral sclerosis (ALS): Implications for brain-computer interface. *Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology*. 2016;127(1):936-945.
- Simons K, Coskun U. Membrane Lipid Galore. *Journal of molecular biology*. 2016;428(24 Pt A):4737-4738.
- Siskos AP, Jain P, Romisch-Margl W, et al. Interlaboratory Reproducibility of a Targeted Metabolomics Platform for Analysis of Human Serum and Plasma. *Analytical chemistry*. 2017;89(1):656-665.
- Sosa L, Torkko JM, Primo ME, et al. Biochemical, biophysical, and functional properties of ICA512/IA-2 RESP18 homology domain. *Biochim Biophys Acta*. 2016;1864(5):511-522.



- Sparling DP, Yu J, Kim K, et al. Adipocyte-specific blockade of gamma-secretase, but not inhibition of Notch activity, reduces adipose insulin sensitivity. *Molecular metabolism*. 2016;5(2):113-121.
- Steculorum SM, Ruud J, Karakasioti I, et al. AgRP Neurons Control Systemic Insulin Sensitivity via Myostatin Expression in Brown Adipose Tissue. *Cell*. 2016;165(1):125-138.
- Stefan N, Artunc F, Heyne N, Machann J, Schleicher ED, Haring HU. Obesity and renal disease: not all fat is created equal and not all obesity is harmful to the kidneys. *Nephrol Dial Transplant*. 2016;31(5):726-730.
- Stefan N, Fritsche A, Schick F, Haring HU. Phenotypes of prediabetes and stratification of cardiometabolic risk. *The lancet Diabetes & endocrinology*. 2016;4(9):789-798.
- Stefan N, Haring HU, Hu FB, Schulze MB. Divergent associations of height with cardiometabolic disease and cancer: epidemiology, pathophysiology, and global implications. *The lancet Diabetes & endocrinology*. 2016;4(5):457-467.
- Stelzenmueller W, Umstadt H, Weber D, Goenner-Oezkan V, Kopp S, Lisson J. Evidence - The intraoral palpability of the lateral pterygoid muscle - A prospective study. *Ann Anat*. 2016;206:89-95.
- Stockl D, Ruckert-Eheberg IM, Heier M, et al. Regional Variability of Lifestyle Factors and Hypertension with Prediabetes and Newly Diagnosed Type 2 Diabetes Mellitus: The Population-Based KORA-F4 and SHIP-TREND Studies in Germany. *PloS one*. 2016;11(6):e0156736.
- Storch K, Dickreuter E, Artati A, Adamski J, Cordes N. BEMER Electromagnetic Field Therapy Reduces Cancer Cell Radioresistance by Enhanced ROS Formation and Induced DNA Damage. *PloS one*. 2016;11(12):e0167931.
- Strawbridge RJ, Laumen H, Hamsten A, et al. Effects of Genetic Loci Associated with Central Obesity on Adipocyte Lipolysis. *PloS one*. 2016;11(4):e0153990.
- Stuetz W, Weber D, Dolle ME, et al. Plasma Carotenoids, Tocopherols, and Retinol in the Age-Stratified (35-74 Years) General Population: A Cross-Sectional Study in Six European Countries. *Nutrients*. 2016;8(10).
- Sulaj A, Zemva J, Zech U, et al. The effect of lifestyle intervention in obesity on the soluble form of activated leukocyte cell adhesion molecule. *BMC Endocr Disord*. 2016;16(1):56.
- Szendroedi J, Saxena A, Weber KS, et al. Cohort profile: the German Diabetes Study (GDS). *Cardiovasc Diabetol*. 2016;15:59.
- Szibor M, Dhandapani PK, Dufour E, et al. Broad AOX expression in a genetically tractable mouse model does not disturb normal physiology. *Dis Model Mech*. 2017;10(2):163-171.
- Szypowska A, Schwandt A, Svensson J, et al. Insulin pump therapy in children with type 1 diabetes: analysis of data from the SWEET registry. *Pediatr Diabetes*. 2016;17 Suppl 23:38-45.
- Tamayo T, Brinks R, Hoyer A, Kuss OS, Rathmann W. The Prevalence and Incidence of Diabetes in Germany. *Deutsches Arzteblatt international*. 2016;113(11):177-182.
- Tamayo T, Rathmann W, Stahl-Pehe A, et al. No adverse effect of outdoor air pollution on HbA1c in children and young adults with type 1 diabetes. *International journal of hygiene and environmental health*. 2016;219(4-5):349-355.
- Teliops T, Kohler M, Treise I, et al. Longitudinal Frequencies of Blood Leukocyte Subpopulations Differ between NOD and NOR Mice but Do Not Predict Diabetes in NOD Mice. *Journal of diabetes research*. 2016;2016:4208156.
- Teumer A, Tin A, Sorice R, et al. Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. *Diabetes*. 2016;65(3):803-817.
- Thienel M, Fritsche A, Heinrichs M, et al. Oxytocin's inhibitory effect on food intake is stronger in obese than normal-weight men. *International journal of obesity (2005)*. 2016;40(11):1707-1714.
- Tilg H, Moschen AR, Roden M. NAFLD and diabetes mellitus. *Nat Rev Gastroenterol Hepatol*. 2017;14(1):32-42.



- Tine M, Kuhl H, Teske PR, Tschop MH, Jastroch M. Diversification and coevolution of the ghrelin/growth hormone secretagogue receptor system in vertebrates. *Ecology and evolution*. 2016;6(8):2516-2535.
- Tschop MH, Finan B, Clemmensen C, et al. Unimolecular Polypharmacy for Treatment of Diabetes and Obesity. *Cell metabolism*. 2016;24(1):51-62.
- Tschop MH, Stumvoll M, Ristow M. Opposing Effects of Antidiabetic Interventions on Malignant Growth and Metastasis. *Cell metabolism*. 2016;23(6):959-960.
- Ulrich S, Holle R, Wacker M, et al. Cost burden of type 2 diabetes in Germany: results from the population-based KORA studies. *BMJ open*. 2016;6(11):e012527.
- Ussar S, Fujisaka S, Kahn CR. Interactions between host genetics and gut microbiome in diabetes and metabolic syndrome. *Molecular metabolism*. 2016;5(9):795-803.
- Vehik K, Lynch KF, Schatz DA, et al. Reversion of beta-Cell Autoimmunity Changes Risk of Type 1 Diabetes: TEDDY Study. *Diabetes care*. 2016;39(9):1535-1542.
- Vehmas AP, Adam M, Laajala TD, et al. Liver lipid metabolism is altered by increased circulating estrogen to androgen ratio in male mouse. *Journal of proteomics*. 2016;133:66-75.
- Vogel H, Wolf S, Rabasa C, et al. GLP-1 and estrogen conjugate acts in the supramammillary nucleus to reduce food-reward and body weight. *Neuropharmacology*. 2016;110(Pt A):396-406.
- Vogt S, Wahl S, Kettunen J, et al. Characterization of the metabolic profile associated with serum 25-hydroxyvitamin D: a cross-sectional analysis in population-based data. *Int J Epidemiol*. 2016;45(5):1469-1481.
- Volckmar AL, Han CT, Putter C, et al. Analysis of Genes Involved in Body Weight Regulation by Targeted Re-Sequencing. *PloS one*. 2016;11(2):e0147904.
- Volta F, Gerdes JM. The role of primary cilia in obesity and diabetes. *Ann N Y Acad Sci*. 2017;1391(1):71-84.
- von Loeffelholz C, Docke S, Lock JF, et al. Increased lipogenesis in spite of upregulated hepatic 5'AMP-activated protein kinase in human non-alcoholic fatty liver. *Hepato Res*. 2016.
- von Toerne C, Huth C, de Las Heras Gala T, et al. MASP1, THBS1, GPLD1 and ApoA-IV are novel biomarkers associated with prediabetes: the KORA F4 study. *Diabetologia*. 2016;59(9):1882-1892.
- von Toerne C, Laimighofer M, Achenbach P, et al. Peptide serum markers in islet autoantibody-positive children. *Diabetologia*. 2017;60(2):287-295.
- Vouk K, Ribic-Pucelj M, Adamski J, Rizner TL. Altered levels of acylcarnitines, phosphatidylcholines, and sphingomyelins in peritoneal fluid from ovarian endometriosis patients. *The Journal of steroid biochemistry and molecular biology*. 2016;159:60-69.
- Wagner R, Fritsche L, Heni M, et al. A novel insulin sensitivity index particularly suitable to measure insulin sensitivity during gestation. *Acta Diabetol*. 2016;53(6):1037-1044.
- Wagner R, Hakaste LH, Ahlqvist E, et al. Non-Suppressed Glucagon after Glucose Challenge as a Potential Predictor for Glucose Tolerance. *Diabetes*. 2016.
- Wahl S, Boulesteix AL, Zierer A, Thorand B, Avan de Wiel M. Assessment of predictive performance in incomplete data by combining internal validation and multiple imputation. *BMC Med Res Methodol*. 2016;16(1):144.
- Wahl S, Boulesteix AL, Zierer A, Thorand B, van de Wiel MA. Erratum to: Assessment of predictive performance in incomplete data by combining internal validation and multiple imputation. *BMC Med Res Methodol*. 2016;16(1):170.
- Wahl S, Drong A, Lehne B, et al. Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. *Nature*. 2017;541(7635):81-86.
- Walford GA, Gustafsson S, Rybin D, et al. Genome-Wide Association Study of the Modified Stumvoll Insulin Sensitivity Index Identifies BCL2 and FAM19A2 as Novel Insulin Sensitivity Loci. *Diabetes*. 2016;65(10):3200-3211.





- Walther D, Eugster A, Jergens S, et al. Tetraspanin 7 autoantibodies in type 1 diabetes. *Diabetologia*. 2016;59(9):1973-1976.
- Wang HJ, Hinney A, Song JY, et al. Association of common variants identified by recent genome-wide association studies with obesity in Chinese children: a case-control study. *BMC Med Genet*. 2016;17:7.
- Wang S, Zhao JH, An P, et al. General Framework for Meta-Analysis of Haplotype Association Tests. *Genetic epidemiology*. 2016;40(3):244-252.
- Wang X, Chen S, Burtscher I, et al. Generation of a human induced pluripotent stem cell (iPSC) line from a patient with family history of diabetes carrying a C18R mutation in the PDX1 gene. *Stem Cell Res*. 2016;17(2):292-295.
- Wang X, Chen S, Burtscher I, et al. Generation of a human induced pluripotent stem cell (iPSC) line from a patient carrying a P33T mutation in the PDX1 gene. *Stem Cell Res*. 2016;17(2):273-276.
- Weber KS, Buyken AE, Nowotny B, et al. The Impact of Dietary Factors on Glycemic Control, Insulin Sensitivity and Secretion in the First Years after Diagnosis of Diabetes. *Experimental and clinical endocrinology & diabetes : official journal, German Society of Endocrinology [and] German Diabetes Association*. 2016;124(4):230-238.
- Weber KS, Knebel B, Strassburger K, et al. Associations between explorative dietary patterns and serum lipid levels and their interactions with ApoA5 and ApoE haplotype in patients with recently diagnosed type 2 diabetes. *Cardiovasc Diabetol*. 2016;15(1):138.
- Weber KS, Strassburger K, Pacini G, et al. Circulating adiponectin concentration is inversely associated with glucose tolerance and insulin secretion in people with newly diagnosed diabetes. *Diabetic medicine : a journal of the British Diabetic Association*. 2017;34(2):239-244.
- Weiner J, Kranz M, Kloting N, et al. Thyroid hormone status defines brown adipose tissue activity and browning of white adipose tissues in mice. *Scientific reports*. 2016;6:38124.
- Weingarten A, Turchetti L, Krohn K, et al. Novel genes on rat chromosome 10 are linked to body fat mass, preadipocyte number and adipocyte size. *International journal of obesity (2005)*. 2016;40(12):1832-1840.
- Weinstock RS, Schutz-Fuhrmann I, Connor CG, et al. Type 1 diabetes in older adults: Comparing treatments and chronic complications in the United States T1D Exchange and the German/Austrian DPV registries. *Diabetes research and clinical practice*. 2016;122:28-37.
- Willmann SJ, Mueller NS, Engert S, et al. The global gene expression profile of the secondary transition during pancreatic development. *Mechanisms of development*. 2016;139:51-64.
- Willmes DM, Helfand SL, Birkenfeld AL. The longevity transporter mIndy (Slc13a5) as a target for treating hepatic steatosis and insulin resistance. *Aging*. 2016;8(2):208-209.
- Witsch M, Kosteria I, Kordonouri O, et al. Possibilities and challenges of a large international benchmarking in pediatric diabetology-The SWEET experience. *Pediatr Diabetes*. 2016;17 Suppl 23:7-15.
- Wittenbecher C, Menzel J, Carstensen-Kirberg M, et al. Omentin-1, Adiponectin, and the Risk of Developing Type 2 Diabetes. *Diabetes care*. 2016;39(6):e79-80.
- Wolf K, Popp A, Schneider A, et al. Association Between Long-term Exposure to Air Pollution and Biomarkers Related to Insulin Resistance, Subclinical Inflammation, and Adipokines. *Diabetes*. 2016;65(11):3314-3326.
- Wolter J, Schild L, Bock F, et al. Thrombomodulin-dependent protein C activation is required for mitochondrial function and myelination in the central nervous system. *J Thromb Haemost*. 2016;14(11):2212-2226.
- Wyss L, Stadinski BD, King CG, et al. Affinity for self antigen selects Treg cells with distinct functional properties. *Nature immunology*. 2016;17(9):1093-1101.
- Yousri NA, Kastenmuller G, AlHaq WG, et al. Diagnostic and Prognostic Metabolites Identified for Joint Symptoms in the KORA Population. *Journal of proteome research*. 2016;15(2):554-562.



- Yuan T, Gorrepati KD, Maedler K, Ardestani A. Loss of Merlin/NF2 protects pancreatic beta-cells from apoptosis by inhibiting LATS2. *Cell death & disease*. 2016;7:e2107.
- Yuan T, Rafizadeh S, Azizi Z, et al. Proliferative and antiapoptotic action of exogenously introduced YAP in pancreatic beta cells. *JCI Insight*. 2016;1(18):e86326.
- Yuan T, Rafizadeh S, Gorrepati KD, et al. Reciprocal regulation of mTOR complexes in pancreatic islets from humans with type 2 diabetes. *Diabetologia*. 2017;60(4):668-678.
- Zeigerer A, Wuttke A, Marsico G, Seifert S, Kalaidzidis Y, Zerial M. Functional properties of hepatocytes in vitro are correlated with cell polarity maintenance. *Exp Cell Res*. 2017;350(1):242-252.
- Zhang W, Freichel M, van der Hoeven F, et al. Novel Endothelial Cell-Specific AQP1 Knockout Mice Confirm the Crucial Role of Endothelial AQP1 in Ultrafiltration during Peritoneal Dialysis. *PloS one*. 2016;11(1):e0145513.
- Zhou Z, Menzel F, Benninghoff T, et al. Rab28 is a TBC1D1/TBC1D4 substrate involved in GLUT4 trafficking. *FEBS Lett*. 2017;591(1):88-96.
- Ziegler AG, Bonifacio E, Powers AC, Todd JA, Harrison LC, Atkinson MA. Type 1 Diabetes Prevention: A Goal Dependent on Accepting a Diagnosis of an Asymptomatic Disease. *Diabetes*. 2016;65(11):3233-3239.
- Ziegler D, Schleicher E, Strom A, et al. Association of transketolase polymorphisms with measures of polyneuropathy in patients with recently diagnosed diabetes. *Diabetes/metabolism research and reviews*. 2016.
- Zierer J, Kastenmuller G, Suhre K, et al. Metabolomics profiling reveals novel markers for leukocyte telomere length. *Aging*. 2016;8(1):77-94.
- Zierer J, Pallister T, Tsai PC, et al. Exploring the molecular basis of age-related disease comorbidities using a multi-omics graphical model. *Scientific reports*. 2016;6:37646.
- Zimprich A, Mroz G, Meyer Zu Reckendorf C, et al. Serum Response Factor (SRF) Ablation Interferes with Acute Stress-Associated Immediate and Long-Term Coping Mechanisms. *Mol Neurobiol*. 2016.