DZD
Deutsches Zentrum
für Diabetesforschung

DZD Publikationen 2015

Aicheler F, Li J, Hoene M, Lehmann R, Xu G, Kohlbacher O. Retention Time Prediction Improves Identification in Nontargeted Lipidomics Approaches. Anal Chem 2015; 87(15): 7698-7704

Altevers J, Lukaschek K, Baumert J, Kruse J, Meisinger C, Emeny R T, Ladwig K H. Poor structural social support is associated with an increased risk of Type 2 diabetes mellitus: findings from the MONICA/KORA Augsburg cohort study. Diabet Med 2015

Anastasiou V, Ninou E, Alexopoulou D, Stertmann J, Muller A, Dahl A, Solimena M, Speier S, Serafimidis I, Gavalas A. Aldehyde dehydrogenase activity is necessary for beta cell development and functionality in mice. Diabetologia 2015

Apostolopoulou M, Corsini A, Roden M. The role of mitochondria in statin-induced myopathy. Eur J Clin Invest 2015; 45(7): 745-754

Arndt B, Witkowski L, Ellwart J W, Seissler J. CD8+ CD122+ PD-1- effector cells promote the development of diabetes in NOD mice. J. Leukoc. Biol. 2015; 97(1): 111-120

Auer M, Tao X, Roepke Y, Stalla G K, Stieg M, Van Caenegem E, Prehn C, Wang-Sattler R, Adamski J, T'sjoen G. Pilot study on the effects of cross-sex hormone treatment in transsexual persons on metabolism by means of metabolomics profiling. Exp. Clin. Endocrinol. Diabet. 2015; 123

Bachle C, Lange K, Stahl-Pehe A, Castillo K, Holl R W, Giani G, Rosenbauer J. Associations between HbA1c and depressive symptoms in young adults with early-onset type 1 diabetes. Psychoneuroendocrinology 2015; 55: 48-58

Bachle C, Lange K, Stahl-Pehe A, Castillo K, Scheuing N, Holl R W, Giani G, Rosenbauer J. Symptoms of Eating Disorders and Depression in Emerging Adults with Early-Onset, Long-Duration Type 1 Diabetes and Their Association with Metabolic Control. PLoS One 2015; 10(6): e0131027

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. Int J Eat Disord 2015

Bartel J, Krumsiek J, Schramm K, Adamski J, Gieger C, Herder C, Carstensen M, Peters A, Rathmann W, Roden M, Strauch K, Suhre K, Kastenmuller G, Prokisch H, Theis F J. The Human Blood Metabolome-Transcriptome Interface. PLoS Genet 2015; 11(6): e1005274

Baumeier C, Kaiser D, Heeren J, Scheja L, John C, Weise C, Eravci M, Lagerpusch M, Schulze G, Joost H G, Schwenk R W, Schurmann A. Caloric restriction and intermittent fasting alter hepatic lipid droplet proteome and diacylglycerol species and prevent diabetes in NZO mice. Biochim Biophys Acta 2015; 1851(5): 566-576

Bayindir I, Babaeikelishomi R, Kocanova S, Sousa I S, Lerch S, Hardt O, Wild S, Bosio A, Bystricky K, Herzig S, Vegiopoulos A. Transcriptional pathways in cPGI2-induced adipocyte progenitor activation for browning. Front. Endocrin. 2015; 6

Begovatz P, Koliaki C, Weber K, Strassburger K, Nowotny B, Nowotny P, Mussig K, Bunke J, Pacini G, Szendrodi J, Roden M. Pancreatic adipose tissue infiltration, parenchymal steatosis and beta cell function in humans. Diabetologia 2015; 58(7): 1646-1655

Beiter T, Hoene M, Prenzler F, Mooren F C, Steinacker J M, Weigert C, Niess A M, Munz B. Exercise, skeletal muscle and inflammation: ARE-binding proteins as key regulators in inflammatory and adaptive networks. Exerc Immunol Rev 2015; 21: 42-57

Benazra M, Lecomte M J, Colace C, Muller A, Machado C, Pechberty S, Bricout-Neveu E, Grenier-Godard M, Solimena M, Scharfmann R, Czernichow P, Ravassard P. A human beta cell line with drug inducible excision of immortalizing transgenes. Mol Metab 2015; 4(12): 916-925

Beranger G E, Djedaini M, Battaglia S, Roux C H, Scheideler M, Heymann D, Amri E Z, Pisani D F. Oxytocin reverses osteoporosis in a sex-dependent manner. Front Endocrinol (Lausanne) 2015; 6: 81

Berger E, Yuan D T, Waldschmitt N, Rath E, Allgaeuer M, Staszewski O, Kober O, Lobner E, Schoettl T, Prinz M, Weber A, Gerhard M, Klingenspor M, Janssen K, Heikenwälder M, Haller D. Mitochondrial dysfunction impairs epithelial proliferative control and stemness in the intestinal crypts. J. Crohns Colitis 2015; 9: S104

Bergmann A, Schwarz P E. Dem Diabetes davonlaufen, den Diabetes wegessen. Diabetes akt. 2015; 13(1): 3

Bergmann A, Schwarz P E. Herz im Visier. Diabetes akt. 2015; 13(3): 99

Berti L, Irmler M, Zdichavsky M, Meile T, Bohm A, Stefan N, Fritsche A, Beckers J, Konigsrainer A, Haring H U, De Angelis M H, Staiger H. Fibroblast growth factor 21 is elevated in metabolically unhealthy obesity and affects lipid deposition, adipogenesis, and adipokine secretion of human abdominal subcutaneous adipocytes. Mol Metab 2015; 4(7): 519-527

Beutel O, Roder F, Birkholz O, Rickert C, Steinhoff H J, Grzybek M, Coskun U, Piehler J. Two-Dimensional Trap for Ultrasensitive Quantification of Transient Protein Interactions. ACS Nano 2015

Bohn B, Herbst A, Pfeifer M, Krakow D, Zimny S, Kopp F, Melmer A, Steinacker J M, Holl R W, Initiative D P V. Impact of Physical Activity on Glycemic Control and Prevalence of Cardiovascular Risk Factors in Adults With Type 1 Diabetes: A Cross-sectional Multicenter Study of 18,028 Patients. Diabetes Care 2015; 38(8): 1536-1543

Bongaerts B W, Ziegler D, Shaw J E, Heier M, Kowall B, Herder C, Roden M, Peters A, Meisinger C, Rathmann W. A clinical screening score for diabetic polyneuropathy: KORA F4 and AusDiab studies. J Diabetes Complications 2015; 29(1): 44-49

Bongaerts B W, Ziegler D, Shaw J E, Rathmann W. Response to research letter in relation to paper by Bongaerts et al., a clinical screening score for diabetic polyneuropathy: KORA F4 and AusDiab studies (a single question screening test for the detection of diabetic peripheral neuropathy). J Diabetes Complications 2015; 29(2): 319

Bonifacio E. Predicting type 1 diabetes using biomarkers. Diabetes Care 2015; 38(6): 989-996

Bonifacio E, Ziegler A G, Klingensmith G, Schober E, Bingley P J, Rottenkolber M, Theil A, Eugster A, Puff R, Peplow C, Buettner F, Lange K, Hasford J, Achenbach P, Pre P S G. Effects of high-dose oral insulin on immune responses in children at high risk for type 1 diabetes: the Pre-POINT randomized clinical trial. JAMA 2015; 313(15): 1541-1549

Bonisch C, Irmler M, Brachthauser L, Neff F, Bamberger M T, Marschall S, Hrabe De Angelis M, Beckers J. 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 2015

Bornstein S R, Amiel S A, Rubino F, Mingrone G, Kamvissi V, Solimena M, Bonifacio E, Jones P, Schwarz P, Birkenfeld A L, Behrens A, Barthel A, Lechler R, Peakman M. Creating a "Transcampus" in diabetes research between King's College London and the Technische Universitat Dresden: update on islet biology and transplantation. Horm Metab Res 2015; 47(1): 1-3

Boulet M M, Chevrier G, Grenier-Larouche T, Pelletier M P, Nadeau M, Scarpa J, Prehn C, Marette A, Adamski J, Tchernof A. Alterations of plasma metabolite profiles related to adipose tissue distribution and cardiometabolic risk. Am. J. Physiol. Endocrinol. Metab. 2015; 309(8): E736-E746

Brina D, Miluzio A, Ricciardi S, Clarke K, Davidsen P K, Viero G, Tebaldi T, Offenhäuser N, Rozman J, Rathkolb B, Neschen S, Klingenspor M, Wolf E, Gailus-Durner V, Fuchs H, Hrabě De Angelis M, Quattrone A, Falciani F, Biffo S. eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. Nat. Commun. 2015; 6

Brune M, Nillegoda N, Bukau B, Nawroth P P, Herzig S. Hepatic heat shock proteins in diabetes and long term diabetic complications. Diabetol. Stoffwechs. 2015; 10

Bunz H, Weyrich P, Peter A, Baumann D, Tschritter O, Guthoff M, Beck R, Jahn G, Artunc F, Haring H U, Heyne N, Wagner R. Urinary Neutrophil Gelatinase-Associated Lipocalin (NGAL) and proteinuria predict severity of acute kidney injury in Puumala virus infection. BMC Infect Dis 2015; 15: 464

Carvalho L A, Gerdes J M, Strell C, Wallace G R, Martins J O. Interplay between the endocrine system and immune cells. Biomed Res. Int. 2015; 2015

Chadt A, Immisch A, De Wendt C, Springer C, Zhou Z, Stermann T, Holman G D, Loffing-Cueni D, Loffing J, Joost H G, Al-Hasani H. Deletion of both Rab-GTPase-activating proteins TBC14KO and TBC1D4 in mice eliminates insulin- and AICAR-stimulated glucose transport. Diabetes 2015;64:746-759. Diabetes 2015; 64(4): 1492

Chambers J C, Loh M, Lehne B, Drong A, Kriebel J, Motta V, Wahl S, Elliott H R, Rota F, Scott W R, Zhang W, Tan S T, Campanella G, Chadeau-Hyam M, Yengo L, Richmond R C, Adamowicz-Brice M, Afzal U, Bozaoglu K, Mok Z Y, Ng H K, Pattou F, Prokisch H, Rozario M A, Tarantini L, Abbott J, Ala-Korpela M, Albetti B, Ammerpohl O, Bertazzi P A, Blancher C, Caiazzo R, Danesh J, Gaunt T R, De Lusignan S, Gieger C, Illig T, Jha S, Jones S, Jowett J, Kangas A J, Kasturiratne A, Kato N, Kotea N, Kowlessur S, Pitkäniemi J, Punjabi P, Saleheen D, Schafmayer C, Soininen P, Tai E S, Thorand B, Tuomilehto J, Wickremasinghe A R, Kyrtopoulos S A, Aitman T J, Herder C, Hampe J, Cauchi S, Relton C L, Froguel P, Soong R, Vineis P, Jarvelin M R, Scott J, Grallert H, Bollati V, Elliott P, Mccarthy M I, Kooner J S. Epigenome-wide association of DNA methylation markers in peripheral blood from Indian Asians and Europeans with incident type 2 diabetes: A nested case-control study. Lancet Diabet. Endocrinol. 2015; 3(7): 526-534

Cheng Y S, Seibert O, Klöting N, Dietrich A, Straßburger K, Fernández-Veledo S, Vendrell J J, Zorzano A, Blüher M, Herzig S, Berriel Diaz M, Teleman A A. PPP2R5C couples hepatic glucose and lipid homeostasis. PLoS Genet. 2015; 11(10)

Chin S H, Item F, Wueest S, Zhou Z, Wiedemann M S, Gai Z, Schoenle E J, Kullak-Ublick G A, Al-Hasani H, Konrad D. Opposing effects of reduced kidney mass on liver and skeletal muscle insulin sensitivity in obese mice. Diabetes 2015; 64(4): 1131-1141

Chmelova H, Cohrs C M, Chouinard J A, Petzold C, Kuhn M, Chen C, Roeder I, Kretschmer K, Speier S. Distinct roles of beta-cell mass and function during type 1 diabetes onset and remission. Diabetes 2015; 64(6): 2148-2160

Chung B, Stadion M, Schulz N, Jain D, Scherneck S, Joost H G, Schurmann A. The diabetes gene Zfp69 modulates hepatic insulin sensitivity in mice. Diabetologia 2015; 58(10): 2403-2413

Claussnitzer M, Dankel S N, Kim K H, Quon G, Meuleman W, Haugen C, Glunk V, Sousa I S, Beaudry J L, Puviindran V, Abdennur N A, Liu J, Svensson P A, Hsu Y H, Drucker D J, Mellgren G, Hui C C, Hauner H, Kellis M. FTO obesity variant circuitry and adipocyte browning in humans. N. Engl. J. Med. 2015; 373(10): 895-907

Clemmensen C, Finan B, Fischer K, Tom R Z, Legutko B, Sehrer L, Heine D, Grassl N, Meyer C W, Henderson B, Hofmann S M, Tschöp M H, Van Der Ploeg L H T, Müller T D. Dual melanocortin-4 receptor and GLP-1 receptor agonism amplifies metabolic benefits in diet-induced obese mice. EMBO Mol. Med. 2015; 7(3): 288-298

Clemmensen C, Müller T D, Finan B, Tschöp M H, Dimarchi R. Current and emerging treatment options in diabetes care. Handb. Exp. Pharmacol. 2015

Conlon T M, Bartel J, Ballweg K, Gunter S, Prehn C, Krumsiek J, Meiners S, Theis F J, Adamski J, Eickelberg O, Yildirim A O. Metabolomics screening identifies reduced L-carnitine to be associated with progressive emphysema. Clin Sci (Lond) 2015

Consortium C a D, Goel A, Won H, Hall L M, Willenborg C, Kanoni S, Saleheen D, Gieger C, Meitinger T, Peters A, Watkins H, Kathiresan S, Macpherson R. A comprehensive 1000 genomes–based genome-wide association meta-analysis of coronary artery disease. Nat. Genet. 2015; 47(10): 1121-1130

Day F R, Ruth K S, Thompson D J, Lunetta K L, Pervjakova N, Chasman D I, Stolk L, Finucane H K, Sulem P, Bulik-Sullivan B, Esko T, Johnson A D, Elks C E, Franceschini N, He C, Altmaier E M, Brody J A, Franke L L, Huffman J E, Keller M F, Mcardle P F, Nutile T, Porcu E, Robino A, Rose L M, Schick U M, Smith J A, Teumer A, Traglia M, Vuckovic D, Yao J, Zhao W, Albrecht E, Amin N, Corre T, Hottenga J J, Mangino M, Smith A V, Tanaka T, Abecasis G R, Andrulis I L, Anton-Culver H, Antoniou A C, Arndt V, Arnold A M, Barbieri C, Beckmann M W, Beeghly-Fadiel A, Benítez J, Bernstein L, Bielinski S J, Blomqvist C, Boerwinkle E, Bogdanova N V, Bojesen S E, Bolla M K, Borresen-Dale A L, Boutin T S, Brauch H, Brenner H, Brüning T, Burwinkel B, Campbell A, Campbell H, Chanock S J, Chapman J R, Chen Y D, Chenevix-Trench G, Couch F J, Coviello A D, Cox A, Czene K, Darabi H, De Vivo I, Demerath E W, Dennis J, Devilee P, Dörk T, Dos-Santos-Silva I, Dunning A M, Eicher J D, Fasching P A, Faul J D, Figueroa J, Flesch-Janys D, Gandin I, Garcia M E, Garcia-Closas M, Giles G G, Girotto G G, Goldberg M S, González-Neira A, Goodarzi M O, Grove M L, Gudbjartsson D F, Guénel P, Guo X, Haiman C A, Hall P, Hamann U, Henderson B E, Hocking L J, Hofman A, Homuth G, Hooning M J, Hopper J L, Hu F B, Huang J, Humphreys K, Hunter D J, Jakubowska A, Jones S E, Kabisch M, Karasik D, Knight J A, Kolcic I, Kooperberg C, Kosma V M, Kriebel J, Kristensen V, Lambrechts D, Langenberg C, Li J, Li X, Lindström S, Liu Y, Luan J, Lubinski J, Mägi R, Mannermaa A, Manz J, Margolin S, Marten J, Martin N G, Masciullo C, Meindl A, Michailidou K, Mihailov E, Milani L, Milne R L, Müller-Nurasyid M, Nalls M, Neale B M, Nevanlinna H, Neven P, Newman A B, Nordestgaard B G, Olson J E, Padmanabhan S, Peterlongo P, Peters U, Petersmann A, Peto J, Pharoah P D, Pirastu N N, Pirie A, Pistis G, Polasek O, Porteous D J, Psaty B M, Pylkäs K, Radice P, Raffel L J, Rivadeneira F, Rudan I, Rudolph A, Ruggiero D, Sala C F, Sanna S, Sawyer E J, Schlessinger D, Schmidt M K, Schmidt F, Schmutzler R K, Schoemaker M J, Scott R A, Seynaeve C M, Simard J, Sorice R, Southey M C, Stöckl D, Strauch K, Swerdlow A, Taylor K D, Thorsteinsdottir U, Toland A E, Tomlinson I, Truong T, Tryggvadottir L, Turner S T, Vozzi D, Wang Q, Wellons M, Willemsen G, Wilson J F, Winqvist R, Wolffenbuttel B B, Wright A F, Yannoukakos D, Zemunik T, Zheng W, Zygmunt M, Bergmann S, Boomsma D I, Buring J E, Ferrucci L, Montgomery G W, Gudnason V, Spector T D, Van Duijn C M, Alizadeh B Z, Ciullo M, Crisponi L, Easton D F, Gasparini P P, Gieger C, Harris T B, Hayward C, Kardia S L, Kraft P, Mcknight B, Metspalu A, Morrison A C, Reiner A P, Ridker P M, Rotter J I, Toniolo D, Uitterlinden A G, Ulivi S, Völzke H, Wareham N J, Weir D R, Yerges-Armstrong L M, Price A L, Stefansson K, Visser J A, Ong K K, Chang-Claude J, Murabito J M, Perry J R, Murray A. Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. Nat. Genet. 2015; 47(11): 1294-1303

De Angelis M H, Nicholson G, Selloum M, White J K, Morgan H, Ramirez-Solis R, Sorg T, Wells S, Fuchs H, Fray M, Adams D J, Adams N C, Adler T, Aguilar-Pimentel A, Ali-Hadji D, Amann G, Andre P, Atkins S, Auburtin A, Ayadi A, Becker J, Becker L, Bedu E, Bekeredjian R, Birling M C, Blake A, Bottomley J, Bowl M R, Brault V, Busch D H, Bussell J N, Calzada-Wack J, Cater H, Champy M F, Charles P, Chevalier C, Chiani F, Codner G F, Combe R, Cox R, Dalloneau E, Dierich A, Di Fenza A, Doe B, Duchon A, Eickelberg O, Esapa C T, Fertak L E, Feigel T, Emelyanova I, Estabel J, Favor J, Flenniken A, Gambadoro A, Garrett L, Gates H, Gerdin A K, Gkoutos G, Greenaway S, Glasl L, Goetz P, Da Cruz I G, Gotz A, Graw J, Guimond A, Hans W, Hicks G, Holter S M, Hofler H, Hancock J M, Hoehndorf R, Hough T, Houghton R, Hurt A, Ivandic B, Jacobs H, Jacquot S, Jones N, Karp N A, Katus H A, Kitchen S, Klein-Rodewald T, Klingenspor M, Klopstock T, Lalanne V, Leblanc S, Lengger C, Le Marchand E, Ludwig T, Lux A, Mckerlie C, Maier H, Mandel J L, Marschall S, Mark M, Melvin D G, Meziane H, Micklich K, Mittelhauser C, Monassier L, Moulaert D, Muller S, Naton B, Neff F, Nolan P M, Nutter L M, Ollert M, Pavlovic G, Pellegata N S, Peter E, Petit-Demouliere B, Pickard A, Podrini C, Potter P, Pouilly L, Puk O, Richardson D, Rousseau S, Quintanilla-Fend L, Quwailid M M, Racz I, Rathkolb B, Riet F, Rossant J, Roux M, Rozman J, Ryder E, Salisbury J, Santos L, Schable K H, Schiller E, Schrewe A, Schulz H, Steinkamp R, Simon M, Stewart M, Stoger C, Stoger T, Sun M, Sunter D, Teboul L, Tilly I, Tocchini-Valentini G P, Tost M, Treise I, Vasseur L, Velot E, Vogt-Weisenhorn D, Wagner C, Walling A, Wattenhofer-Donze M, Weber B, Wendling O, Westerberg H, Willershauser M, Wolf E, Wolter A, Wood J, Wurst W, Yildirim A O, Zeh R, Zimmer A, Zimprich A, Consortium E, Holmes C, Steel K P, Herault Y, Gailus-Durner V, Mallon A M, Brown S D. Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nat Genet 2015; 47(9): 969-978

Dehghany J, Hoboth P, Ivanova A, Mziaut H, Muller A, Kalaidzidis Y, Solimena M, Meyer-Hermann M. A Spatial Model of Insulin-Granule Dynamics in Pancreatic beta-Cells. Traffic 2015; 16(8): 797-813

Deng T, Zhu Z I, Zhang S, Postnikov Y, Huang D, Horsch M, Furusawa T, Beckers J, Rozman J, Klingenspor M, Amarie O, Graw J, Rathkolb B, Wolf E, Adler T, Busch D H, Gailus-Durner V, Fuchs H, Hrabe De Angelis M, Van Der Velde A, Tessarollo L, Ovcherenko I, Landsman D, Bustin M. Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers. Genome Res 2015; 25(9): 1295-1308

Derdak S, Sabrautzki S, De Angelis M H, Gut M, Gut I G, Beltran S. Genomic characterization of mutant laboratory mouse strains by exome sequencing and annotation lift-over. BMC Genomics 2015; 16: 351

Di Chiara M, Glaudemans B, Loffing-Cueni D, Odermatt A, Al-Hasani H, Devuyst O, Faresse N, Loffing J. Rab-GAP TBC1D4 (AS160) is dispensable for the renal control of sodium and water homeostasis but regulates GLUT4 in mouse kidney. Am J Physiol Renal Physiol 2015; 309(9): F779-790

Di Giuseppe R, Kuhn T, Hirche F, Buijsse B, Dierkes J, Fritsche A, Kaaks R, Boeing H, Stangl G I, Weikert C. Potential Predictors of Plasma Fibroblast Growth Factor 23 Concentrations: Cross-Sectional Analysis in the EPIC-Germany Study. PLoS One 2015; 10(7): e0133580

Diakopoulos K N, Lesina M, Wörmann S, Song L, Aichler M, Schild L, Artati A, Römisch-Margl W, Wartmann T, Fischer R, Kabiri Y, Zischka H, Halangk W, Demir I E, Pilsak C, Walch A K, Mantzoros C S, Steiner J M, Erkan M, Schmid R M, Witt H, Adamski J, Algül H. Impaired autophagy induces chronic atrophic pancreatitis in mice via sex- and nutrition-dependent processes. Gastroenterology 2015; 148(3): 626-638

Dimitrov S, Besedovsky L, Born J, Lange T. Differential acute effects of sleep on spontaneous and stimulated production of tumor necrosis factor in men. Brain Behav Immun 2015; 47: 201-210

Dinter J, Mühlhaus J, Wienchol C L, Yi C X, Nürnberg D, Morin S, Grüters A, Köhrle J, Schöneberg T, Tschöp M H, Krude H, Kleinau G, Biebermann H. Inverse agonistic action of 3-iodothyronamine at the human trace amine-associated receptor 5. PLoS ONE 2015; 10(2)

Dost A, Rohrer T R, Fröhlich-Reiterer E, Bollow E, Karges B, Böckmann A, Hamann J, Holl R W. Hyperthyroidism in 276 Children and Adolescents with Type 1 Diabetes from Germany and Austria. Hormone Research in Paediatrics 2015; 84(3): 190-198

Draisma H H, Pool R, Kobl M, Jansen R C, Petersen A K, Vaarhorst A A, Yet I, Haller T, Demirkan A, Esko T, Zhu G, Böhringer S, Beekman M, Van Klinken J B, Römisch-Margl W, Prehn C, Adamski J, De Craen A J, Van Leeuwen E M, Amin N, Dharuri H, Westra H J, Franke L, De Geus E J, Hottenga J J, Willemsen G, Henders A K, Montgomery G W, Nyholt D R, Whitfield J B, Penninx B W, Spector T D, Metspalu A, Slagboom P E, Van Dijk K W, T Hoen P A, Strauch K, Martin N G, Van Ommen G J, Illig T, Bell J T, Mangino M, Suhre K, Mccarthy M I, Gieger C, Isaacs A, Van Duijn C M, Boomsma D I. Genome-wide association study identifies novel genetic variants contributing to variation in blood metabolite levels. Nat. Commun. 2015; 6

Du Y, Heidemann C, Schaffrath Rosario A, Buttery A, Paprott R, Neuhauser H, Riedel T, Icks A, Scheidt-Nave C. Changes in diabetes care indicators: findings from German National Health Interview and Examination Surveys 1997-1999 and 2008-2011. BMJ Open Diabetes Res Care 2015; 3(1): e000135

Eckel N, Muhlenbruch K, Meidtner K, Boeing H, Stefan N, Schulze M B. Characterization of metabolically unhealthy normal-weight individuals: Risk factors and their associations with type 2 diabetes. Metabolism 2015; 64(8): 862-871

Ehehalt F, Sturm D, Rosler M, Distler M, Weitz J, Kersting S, Ludwig B, Schwanebeck U, Saeger H D, Solimena M, Grutzmann R. Blood Glucose Homeostasis in the Course of Partial Pancreatectomy - Evidence for Surgically Reversible Diabetes Induced by Cholestasis. PLoS One 2015; 10(8): e0134140

Eugster A, Lindner A, Catani M, Heninger A K, Dahl A, Klemroth S, Kuhn D, Dietz S, Bickle M, Ziegler A G, Bonifacio E. High diversity in the TCR repertoire of GAD65 autoantigen-specific human CD4+ T cells. J Immunol 2015; 194(6): 2531-2538

Fall T, Hagg S, Ploner A, Magi R, Fischer K, Draisma H H, Sarin A P, Benyamin B, Ladenvall C, Akerlund M, Kals M, Esko T, Nelson C P, Kaakinen M, Huikari V, Mangino M, Meirhaeghe A, Kristiansson K, Nuotio M L, Kobl M, Grallert H, Dehghan A, Kuningas M, De Vries P S, De Bruijn R F, Willems S M, Heikkila K, Silventoinen K, Pietilainen K H, Legry V, Giedraitis V, Goumidi L, Syvanen A C, Strauch K, Koenig W, Lichtner P, Herder C, Palotie A, Menni C, Uitterlinden A G, Kuulasmaa K, Havulinna A S, Moreno L A, Gonzalez-Gross M, Evans A, Tregouet D A, Yarnell J W, Virtamo J, Ferrieres J, Veronesi G, Perola M, Arveiler D, Brambilla P, Lind L, Kaprio J, Hofman A, Stricker B H, Van Duijn C M, Ikram M A, Franco O H, Cottel D, Dallongeville J, Hall A S, Jula A, Tobin M D, Penninx B W, Peters A, Gieger C, Samani N J, Montgomery G W, Whitfield J B, Martin N G, Groop L, Spector T D, Magnusson P K, Amouyel P, Boomsma D I, Nilsson P M, Jarvelin M R, Lyssenko V, Metspalu A, Strachan D P, Salomaa V, Ripatti S, Pedersen N L, Prokopenko I, Mccarthy M I, Ingelsson E, Consortium E. Age- and sex-specific causal effects of adiposity on cardiovascular risk factors. Diabetes 2015; 64(5): 1841-1852

Fasan A, Haferlach C, Eder C, Alpermann T, Quante A S, Peters A, Kern W, Haferlach T, Schnittger S. Evaluation of IDH1G105 polymorphism as prognostic marker in intermediate-risk AML. Ann. Hematol. 2015; 94(12): 1991-2001

Feld G B, Wilhem I, Benedict C, Rudel B, Klameth C, Born J, Hallschmid M. Central Nervous Insulin Signaling in Sleep-Associated Memory Formation and Neuroendocrine Regulation. Neuropsychopharmacology 2015

Ferrari U, Kunzel H, Trondle K, Rottenkolber M, Kohn D, Fugmann M, Banning F, Weise M, Sacco V, Hasbargen U, Hutter S, Parhofer K G, Kloiber S, Ising M, Seissler J, Lechner A. Poor sleep quality is associated with impaired glucose tolerance in women after gestational diabetes. J Psychiatr Res 2015; 65: 166-171

Fiamoncini J, Lima T M, Hirabara S M, Ecker J, Gorjao R, Romanatto T, Elolimy A, Worsch S, Laumen H, Bader B, Daniel H, Curi R. Medium-chain dicarboxylic acylcarnitines as markers of n-3 PUFA-induced peroxisomal oxidation of fatty acids. Mol. Nutr. Food Res. 2015; 59(8): 1573-1583

Finan B, Clemmensen C, Müller T D. Emerging opportunities for the treatment of metabolic diseases: Glucagon-like peptide-1 based multi-agonists. Mol. Cell. Endocrinol. 2015; 418: 42-54

Finan B, Yang B, Ottaway N, Smiley D L, Ma T, Clemmensen C, Chabenne J, Zhang L, Habegger K M, Fischer K, Campbell J E, Sandoval D A, Seeley R J, Bleicher K, Uhles S, Riboulet W, Funk J, Hertel C, Belli S, Sebokova E, Conde-Knape K, Konkar A, Drucker D J, Gelfanov V, Pfluger P T, Müller T D, Perez-Tilve D, Dimarchi R D, Tschöp M H. A rationally designed monomeric peptide triagonist corrects obesity and diabetes in rodents. Nat. Med. 2015; 21(1): 27-36

Fischer K, Finan B, Clemmensen C, Van Der Ploeg L H T, Tschöp M H, Müller T D. The pentapeptide RM-131 promotes food intake and adiposity in wildtype mice but not in mice lacking the ghrelin receptor. Front. Nutr. 2015; 1

Flechtner-Mors M, Schwab K O, Frohlich-Reiterer E E, Kapellen T M, Meissner T, Rosenbauer J, Stachow R, Holl R W. Overweight and Obesity Based on Four Reference Systems in 18,382 Paediatric Patients with Type 1 Diabetes from Germany and Austria. J Diabetes Res 2015; 2015: 370753

Forcisi S, Moritz F, Lucio M, Lehmann R, Stefan N, Schmitt-Kopplin P. Solutions for Low and High Accuracy Mass Spectrometric Data Matching: A Data-Driven Annotation Strategy in Nontargeted Metabolomics. Anal Chem 2015; 87(17): 8917-8924

Frankó A, Hrabě De Angelis M, Wiesner R J, *Mitochondrial function, dysfunction, and adaption in the liver during the development of diabetes*, Han, et al., Editors. 2015, CRC Press: Boca Raton, FL. p. 383-412.

Friedrich K, Üstünel B E, Wang X, Jones A, Rohm M, Berriel Diaz M, Stremmel W, Blüher M, Herzig S. Transforming growth factor beta-like stimulated clone 22 D4 promotes diabetic hyperglycemia and insulin resistance. Diabetol. Stoffwechs. 2015; 10

Fritsch M, Koliaki C, Livingstone R, Phielix E, Bierwagen A, Meisinger M, Jelenik T, Strassburger K, Zimmermann S, Brockmann K, Wolff C, Hwang J H, Szendroedi J, Roden M. Time course of postprandial hepatic phosphorus metabolites in lean, obese, and type 2 diabetes patients. Am J Clin Nutr 2015

Fugmann M, Breier M, Rottenkolber M, Banning F, Ferrari U, Sacco V, Grallert H, Parhofer K G, Seissler J, Clavel T, Lechner A. The stool microbiota of insulin resistant women with recent gestational diabetes, a high risk group for type 2 diabetes. Sci Rep 2015; 5: 13212

Fugmann M, Uhl O, Hellmuth C, Hetterich H, Kammer N N, Ferrari U, Parhofer K G, Koletzko B, Seissler J, Lechner A. Differences in the serum nonesterified Fatty Acid profile of young women associated with a recent history of gestational diabetes and overweight/obesity. PLoS One 2015; 10(5): e0128001

Gancheva S, Koliaki C, Bierwagen A, Nowotny P, Heni M, Fritsche A, Haring H U, Szendroedi J, Roden M. Effects of intranasal insulin on hepatic fat accumulation and energy metabolism in humans. Diabetes 2015; 64(6): 1966-1975

Garcia-Martin R, Alexaki V I, Qin N, Rubin De Celis M F, Economopoulou M, Ziogas A, Gercken B, Kotlabova K, Phieler J, Ehrhart-Bornstein M, Bornstein S R, Eisenhofer G, Breier G, Bluher M, Hampe J, El-Armouche A, Chatzigeorgiou A, Chung K J, Chavakis T. Adipocyte-Specific Hypoxia-Inducible Factor 2alpha Deficiency Exacerbates Obesity-Induced Brown Adipose Tissue Dysfunction and Metabolic Dysregulation. Mol Cell Biol 2015; 36(3): 376-393

Gemoll T, Epping F, Heinrich L, Fritzsche B, Roblick U J, Szymczak S, Hartwig S, Depping R, Bruch H P, Thorns C, Lehr S, Paech A, Habermann J K. Increased cathepsin D protein expression is a biomarker for osteosarcomas, pulmonary metastases and other bone malignancies. Oncotarget 2015; 6(18): 16517-16526

Gerst F, Kaiser G, Panse M, Sartorius T, Pujol A, Hennige A M, Machicao F, Lammers R, Bosch F, Haring H U, Ullrich S. Protein kinase Cdelta regulates nuclear export of FOXO1 through phosphorylation of the chaperone 14-3-3zeta. Diabetologia 2015

Gorgens S W, Hjorth M, Eckardt K, Wichert S, Norheim F, Holen T, Lee S, Langleite T, Birkeland K I, Stadheim H K, Kolnes K J, Tangen D S, Kolnes A J, Jensen J, Drevon C A, Eckel J. The exercise-regulated myokine chitinase-3-like protein 1 stimulates human myocyte proliferation. Acta Physiol (Oxf) 2015

Gorski M, Tin A, Garnaas M, Mcmahon G M, Chu A Y, Tayo B O, Pattaro C, Teumer A, Chasman D I, Chalmers J, Hamet P, Tremblay J, Woodward M, Aspelund T, Eiriksdottir G, Gudnason V, Harris T B, Launer L J, Smith A V, Mitchell B D, O'connell J R, Shuldiner A R, Coresh J, Li M, Freudenberger P, Hofer E, Schmidt H, Schmidt R, Holliday E G, Mitchell P, Wang J J, De Boer I H, Li G, Siscovick D S, Kutalik Z, Corre T, Vollenweider P, Waeber G, Gupta J, Kanetsky P A, Hwang S J, Olden M, Yang Q, De Andrade M, Atkinson E J, Kardia S L, Turner S T, Stafford J M, Ding J, Liu Y, Barlassina C, Cusi D, Salvi E, Staessen J A, Ridker P M, Grallert H, Meisinger C, Müller-Nurasyid M, Krämer B K, Kramer H, Rosas S E, Nolte I M, Penninx B W, Snieder H, Fabiola Del Greco M, Franke A, Nöthlings U, Lieb W, Bakker S J, Gansevoort R T, Van Der Harst P, Dehghan A, Franco O H, Hofman A, Rivadeneira F, Sedaghat S, Uitterlinden A G, Coassin S, Haun M, Kollerits B, Kronenberg F, Paulweber B, Aumann N, Endlich K, Pietzner M, Völker U, Rettig R, Chouraki V, Helmer C, Lambert J C, Metzger M, Stengel B, Lehtimäki T, Lyytikäinen L P, Raitakari O, Johnson A, Parsa A, Bochud M, Heid I M, Goessling W, Köttgen A, Kao W H, Fox C S, Böger C A. Genome-wide association study of kidney function decline in individuals of European descent. Kidney Int. 2015; 87(5): 1017–1029

Gotz M, Sirko S, Beckers J, Irmler M. Reactive astrocytes as neural stem or progenitor cells: In vivo lineage, In vitro potential, and Genome-wide expression analysis. Glia 2015; 63(8): 1452-1468

Grallert H, Marzi C, Hauck S M, Gieger C, *Omics: Potential role in early-phase drug development*, Krentz, et al., Editors. 2015, Springer: London. p. 189-222.

Gutierrez D A, Muralidhar S, Feyerabend T B, Herzig S, Rodewald H R. Hematopoietic Kit deficiency, rather than lack of mast cells, protects mice from obesity and insulin resistance. Cell Metab. 2015; 21(5): 678-691

Halama A, Horsch M, Kastenmüller G, Möller G, Kumar P, Prehn C, Laumen H, Hauner H, Hrabě De Angelis M, Beckers J, Suhre K, Adamski J. Metabolic switch during adipogenesis: From branched chain amino acid catabolism to lipd synthesis. Arch. Biochem. Biophys. 2015

Hansen J S, Clemmesen J O, Secher N H, Hoene M, Drescher A, Weigert C, Pedersen B K, Plomgaard P. Glucagon-to-insulin ratio is pivotal for splanchnic regulation of FGF-21 in humans. Mol Metab 2015; 4(8): 551-560

Hansen J S, Zhao X, Irmler M, Liu X, Hoene M, Scheler M, Li Y, Beckers J, Hrabe De Angelis M, Haring H U, Pedersen B K, Lehmann R, Xu G, Plomgaard P, Weigert C. Type 2 diabetes alters metabolic and transcriptional signatures of glucose and amino acid metabolism during exercise and recovery. Diabetologia 2015; 58(8): 1845-1854

Häring H U, Hrabě De Angelis M, Joost H G, Roden M, Schürmann A, Solimena M. 5 Jahre erfolgreiche translationale Forschung - Deutsches Zentrum für Diabetesforschung. Diabetes akt. 2015; 13(2): 58-62

Haschemi Nassab M, Rhein M, Heese P, Glahn A, Frieling H, Linnebank M, Bleich S, Kornhuber J, Heberlein A, Grallert H, Peters A, Rawal R, Strauch K, Hillemacher T. No association between the ALDH2 promoter polymorphism rs886205, alcohol dependence, and risky alcohol consumption in a German population. Psychiatr Genet 2015; 25(1): 41-42

Hege M A, Stingl K T, Kullmann S, Schag K, Giel K E, Zipfel S, Preissl H. Attentional impulsivity in binge eating disorder modulates response inhibition performance and frontal brain networks. Int J Obes (Lond) 2015; 39(2): 353-360

Heinzmann S S, Schmitt-Kopplin P. Deep metabotyping of the murine gastrointestinal tract for the visualization of digestion and microbial metabolism. J Proteome Res 2015; 14(5): 2267-2277

Helmbrecht M S, Soellner H, Truckenbrodt A M, Sundermeier J, Cohrs C, Hans W, De Angelis M H, Feuchtinger A, Aichler M, Fouad K, Huber A B. Loss of Npn1 from motor neurons causes postnatal deficits independent from Sema3A signaling. Dev Biol 2015; 399(1): 2-14

Heni M, Kullmann S, Gallwitz B, Haring H U, Preissl H, Fritsche A. Dissociation of GLP-1 and insulin association with food processing in the brain: GLP-1 sensitivity despite insulin resistance in obese humans. Mol Metab 2015; 4(12): 971-976

Heni M, Kullmann S, Preissl H, Fritsche A, Haring H U. Impaired insulin action in the human brain: causes and metabolic consequences. Nat Rev Endocrinol 2015; 11(12): 701-711

Heni M, Wagner R, Kullmann S, Preissl H, Fritsche A. Response to Comment on Heni et al. Central insulin administration improves whole-body insulin sensitivity via hypothalamus and parasympathetic outputs in men. Diabetes 2014;63:4083-4088. Diabetes 2015; 64(6): e8-9

Herder C, Bongaerts B W, Ouwens D M, Rathmann W, Heier M, Carstensen-Kirberg M, Koenig W, Thorand B, Roden M, Meisinger C, Ziegler D, Group K S. Low serum omentin levels in the elderly population with type 2 diabetes and polyneuropathy. Diabet Med 2015

Herder C, Bongaerts B W, Rathmann W, Heier M, Kowall B, Koenig W, Thorand B, Roden M, Meisinger C, Ziegler D. Differential association between biomarkers of subclinical inflammation and painful polyneuropathy: results from the KORA F4 study. Diabetes Care 2015; 38(1): 91-96

Herder C, Ouwens D M, Carstensen M, Kowall B, Huth C, Meisinger C, Rathmann W, Roden M, Thorand B. Adiponectin may mediate the association between omentin, circulating lipids and insulin sensitivity: results from the KORA F4 study. Eur J Endocrinol 2015; 172(4): 423-432

Hesselbarth N, Pettinelli C, Gericke M, Berger C, Kunath A, Stumvoll M, Bluher M, Kloting N. Tamoxifen affects glucose and lipid metabolism parameters, causes browning of subcutaneous adipose tissue and transient body composition changes in C57BL/6NTac mice. Biochem Biophys Res Commun 2015; 464(3): 724-729

Hoboth P, Muller A, Ivanova A, Mziaut H, Dehghany J, Sonmez A, Lachnit M, Meyer-Hermann M, Kalaidzidis Y, Solimena M. Aged insulin granules display reduced microtubule-dependent mobility and are disposed within actin-positive multigranular bodies. Proc Natl Acad Sci U S A 2015; 112(7): E667-676

Hofman S, Havel P J. The good, the bad, and the unknown: Fructose and FGF21. Mol. Metab. 2015; 4(1): 1-2

Holm A T, Wulf-Johansson H, Hvidsten S, Jorgensen P T, Schlosser A, Pilecki B, Ormhoj M, Moeller J B, Johannsen C, Baun C, Andersen T, Schneider J P, Hegermann J, Ochs M, Gotz A A, Schulz H, De Angelis M H, Vestbo J, Holmskov U, Sorensen G L. Characterization of spontaneous air space enlargement in mice lacking microfibrillar-associated protein 4. Am J Physiol Lung Cell Mol Physiol 2015; 308(11): L1114-1124

Holter S M, Einicke J, Sperling B, Zimprich A, Garrett L, Fuchs H, Gailus-Durner V, Hrabe De Angelis M, Wurst W. Tests for Anxiety-Related Behavior in Mice. Curr Protoc Mouse Biol 2015; 5(4): 291-309

Horikoshi M, Mgi R, Van De Bunt M, Surakka I, Sarin A P, Mahajan A, Marullo L, Thorleifsson G, Hgg S, Hottenga J J, Ladenvall C, Ried J S, Winkler T W, Willems S M, Pervjakova N, Esko T, Beekman M, Nelson C P, Willenborg C, Wiltshire S, Ferreira T, Fernandez J, Gaulton K J, Steinthorsdottir V, Hamsten A, Magnusson P K, Willemsen G, Milaneschi Y, Robertson N R, Groves C J, Bennett A J, Lehtimki T, Viikari J S, Rung J, Lyssenko V, Perola M, Heid I M, Herder C, Grallert H, Muller-Nurasyid M, Roden M, Hypponen E, Isaacs A, Van Leeuwen E M, Karssen L C, Mihailov E, Houwing-Duistermaat J J, De Craen A J, Deelen J, Havulinna A S, Blades M, Hengstenberg C, Erdmann J, Schunkert H, Kaprio J, Tobin M D, Samani N J, Lind L, Salomaa V, Lindgren C M, Slagboom P E, Metspalu A, Van Duijn C M, Eriksson J G, Peters A, Gieger C, Jula A, Groop L, Raitakari O T, Power C, Penninx B W, De Geus E, Smit J H, Boomsma D I, Pedersen N L, Ingelsson E, Thorsteinsdottir U, Stefansson K, Ripatti S, Prokopenko I, Mccarthy M I, Morris A P, Consortium E. Discovery and Fine-Mapping of Glycaemic and Obesity-Related Trait Loci Using High-Density Imputation. PLoS Genet 2015; 11(7): e1005230

Horsch M, Aguilar-Pimentel J A, Bonisch C, Come C, Kolster-Fog C, Jensen K T, Lund A H, Lee I, Grossman L I, Sinkler C, Huttemann M, Bohn E, Fuchs H, Ollert M, Gailus-Durner V, Hrabe De Angelis M, Beckers J. Cox4i2, Ifit2, and Prdm11 Mutant Mice: Effective Selection of Genes Predisposing to an Altered Airway Inflammatory Response from a Large Compendium of Mutant Mouse Lines. PLoS One 2015; 10(8): e0134503

Hrabě De Angelis M, Nicholson G, Selloum M, White J K, Morgan H, Ramirez-Solis R, Sorg T, Wells S, Fuchs H, Fray M, Adams D J, Adams N C, Adler T, Aguilar-Pimentel J A, Ali-Hadji D, Amann G, André P, Atkins S, Auburtin A, Ayadi A, Becker J, Becker L, Bedu E, Bekeredjian R, Birling M C, Blake A, Bottomley J, Bowl M R, Brault V, Busch D H, Bussell J N, Calzada-Wack J, Cater H, Champy M F, Charles P, Chevalier C, Chiani F, Codner G F, Combe R, Cox R D, Dalloneau E, Dierich A, Di Fenza A, Doe B, Duchon A, Eickelberg O, Esapa C T, Fertak L E, Feigel T, Emelyanova I, Estabel J, Favor J, Flenniken A M, Gambadoro A, Garrett L, Gates H, Gerdin A K, Gkoutos G V, Greenaway S, Glasl L, Goetz P, Da Cruz I G, Götz A, Graw J, Guimond A, Hans W, Hicks G, Hölter S M, Höfler H, Hancock J M, Hoehndorf R, Hough T, Houghton R, Hurt A, Ivandic B, Jacobs H, Jacquot S, Jones N, Karp N A, Katus H A, Kitchen S, Klein-Rodewald T, Klingenspor M, Klopstock T, Lalanne V, Leblanc S, Lengger C, Le Marchand E, Ludwig T, Lux A, Mckerlie C, Maier H, Mandel J L, Marschall S, Mark M, Melvin D G, Meziane H, Micklich K, Mittelhauser C, Monassier L, Moulaert D, Müller S, Naton B, Neff F, Nolan P M, Nutter L M, Ollert M, Pavlovic G, Pellegata N S, Peter E, Petit-Demoulière B, Pickard A, Podrini C, Potter P, Pouilly L, Puk O, Richardson D, Rousseau S, Quintanilla-Fend L, Quwailid M M, Rácz I, Rathkolb B, Riet F, Rossant J, Roux M, Rozman J, Ryder E, Salisbury J, Santos L, Schäble K H, Schiller E, Schrewe A, Schulz H, Steinkamp R, Simon M, Stewart M, Stöger C, Stöger T, Sun M, Sunter D, Teboul L, Tilly I, Tocchini-Valentini G P, Tost M, Treise I, Vasseur L, Velot E, Vogt Weisenhorn D M, Wagner C, Walling A, Wattenhofer-Donze M, Weber B, Wendling O, Westerberg H, Willershäuser M, Wolf E, Wolter A, Wood J,

Wurst W, Yildirim A Ö, Zeh R, Zimmer A, Zimprich A, Holmes C, Steel K P, Herault Y, Gailus-Durner V, Mallon A M, Brown S D. Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nat. Genet. 2015; 47(9): 969-978

Huan T, Esko T, Peters M J, Pilling L C, Schramm K, Schurmann C, Chen B H, Liu C, Joehanes R, Johnson A D, Yao C, Ying S X, Courchesne P, Milani L, Raghavachari N, Wang R, Liu P, Reinmaa E, Dehghan A, Hofman A, Uitterlinden A G, Hernandez D G, Bandinelli S, Singleton A, Melzer D, Metspalu A, Carstensen M, Grallert H, Herder C, Meitinger T, Peters A, Roden M, Waldenberger M, Dorr M, Felix S B, Zeller T, International Consortium for Blood Pressure G, Vasan R, O'donnell C J, Munson P J, Yang X, Prokisch H, Volker U, Van Meurs J B, Ferrucci L, Levy D. A meta-analysis of gene expression signatures of blood pressure and hypertension. PLoS Genet 2015; 11(3): e1005035

Hudak S K, Overkamp D, Wagner R, Haring H U, Heni M. Ketoacidosis in a non-diabetic woman who was fasting during lactation. Nutr J 2015; 14: 117

Huth C, Beuerle S, Zierer A, Heier M, Herder C, Kaiser T, Koenig W, Kronenberg F, Oexle K, Rathmann W, Roden M, Schwab S, Seissler J, Stockl D, Meisinger C, Peters A, Thorand B. Biomarkers of iron metabolism are independently associated with impaired glucose metabolism and type 2 diabetes: the KORA F4 study. Eur J Endocrinol 2015; 173(5): 643-653

Islam S M, Niessen L W, Seissler J, Ferrari U, Biswas T, Islam A, Lechner A. Diabetes knowledge and glycemic control among patients with type 2 diabetes in Bangladesh. Springerplus 2015; 4: 284

Jacobs S, Jager S, Jansen E, Peter A, Stefan N, Boeing H, Schulze M B, Kroger J. Associations of Erythrocyte Fatty Acids in the De Novo Lipogenesis Pathway with Proxies of Liver Fat Accumulation in the EPIC-Potsdam Study. PLoS One 2015; 10(5): e0127368

Jacobs S, Schiller K, Jansen E, Fritsche A, Weikert C, Di Giuseppe R, Boeing H, Schulze M B, Kroger J. Association between erythrocyte membrane fatty acids and biomarkers of dyslipidemia in the EPIC-Potsdam study. Eur J Clin Nutr 2015; 69(5): 642-646

Jacobs S, Schiller K, Jansen E H, Boeing H, Schulze M B, Kroger J. Evaluation of various biomarkers as potential mediators of the association between Delta5 desaturase, Delta6 desaturase, and stearoyl-CoA desaturase activity and incident type 2 diabetes in the European Prospective Investigation into Cancer and Nutrition-Potsdam Study. Am J Clin Nutr 2015; 102(1): 155-164

Jager S, Jacobs S, Kroger J, Stefan N, Fritsche A, Weikert C, Boeing H, Schulze M B. Association between the Fatty Liver Index and Risk of Type 2 Diabetes in the EPIC-Potsdam Study. PLoS One 2015; 10(4): e0124749

Jain D, Weber G, Eberhard D, Mehana A E, Eglinger J, Welters A, Bartosinska B, Jeruschke K, Weiss J, Path G, Ariga H, Seufert J, Lammert E. DJ-1 Protects Pancreatic Beta Cells from Cytokine- and Streptozotocin-Mediated Cell Death. PLoS One 2015; 10(9): e0138535

Jonas W, Lietzow J, Wohlgemuth F, Hoefig C S, Wiedmer P, Schweizer U, Kohrle J, Schurmann A. 3,5-Diiodo-L-thyronine (3,5-t2) exerts thyromimetic effects on hypothalamus-pituitary-thyroid axis, body composition, and energy metabolism in male diet-induced obese mice. Endocrinology 2015; 156(1): 389-399

Kachele M, Hennige A M, Machann J, Hieronimus A, Lamprinou A, Machicao F, Schick F, Fritsche A, Stefan N, Nurnberg B, Haring H U, Staiger H. Variation in the Phosphoinositide 3-Kinase Gamma Gene Affects Plasma HDL-Cholesterol without Modification of Metabolic or Inflammatory Markers. PLoS One 2015; 10(12): e0144494

Kahle M, Schafer A, Seelig A, Schultheiss J, Wu M, Aichler M, Leonhardt J, Rathkolb B, Rozman J, Sarioglu H, Hauck S M, Ueffing M, Wolf E, Kastenmueller G, Adamski J, Walch A, Hrabe De Angelis M, Neschen S. High fat diet-induced modifications in membrane lipid and mitochondrial-membrane protein signatures precede the development of hepatic insulin resistance in mice. Mol Metab 2015; 4(1): 39-50

Kahle M, Schäfer A, Seelig A, Schultheiß J, Wu M, Aichler M, Leonhardt J, Rathkolb B, Rozman J, Sarioglu H, Hauck S M, Ueffing M, Wolf E, Kastenmüller G, Adamski J, Walch A K, Hrabě De Angelis M, Neschen S. High fat diet-induced modifications in membrane lipid and mitochondrial-membrane protein signatures precede the development of hepatic insulin resistance in mice. Mol. Metab. 2015; 4(1): 39-50

Kälin S, Heppner F L, Bechmann I, Prinz M, Tschöp M H, Yi C X. Hypothalamic innate immune reaction in obesity. Nat. Rev. Endocrinol. 2015; 11(6): 339–351

Kanzleiter T, Jahnert M, Schulze G, Selbig J, Hallahan N, Schwenk R W, Schurmann A. Exercise training alters DNA methylation patterns in genes related to muscle growth and differentiation in mice. Am J Physiol Endocrinol Metab 2015; 308(10): E912-920

Karbiener M, Glantschnig C, Pisani D F, Laurencikiene J, Dahlman I, Herzig S, Amri E Z, Scheideler M. Mesoderm-specific transcript (MEST) is a negative regulator of human adipocyte differentiation. Int J Obes (Lond) 2015

Karges B, Rosenbauer J, Holterhus P M, Beyer P, Seithe H, Vogel C, Bockmann A, Peters D, Muther S, Neu A, Holl R W. Hospital admission for diabetic ketoacidosis or severe hypoglycemia in 31 330 young patients with type 1 diabetes. Eur J Endocrinol 2015; 173(3): 341-350

Kastenmüller G, Raffler J, Gieger C, Suhre K. Genetics of human metabolism: An update. Hum. Mol. Genet. 2015; 24(R1): R93-R101

Kaszuba K, Grzybek M, Orlowski A, Danne R, Rog T, Simons K, Coskun U, Vattulainen I. N-Glycosylation as determinant of epidermal growth factor receptor conformation in membranes. Proc Natl Acad Sci U S A 2015; 112(14): 4334-4339

Kato N, Loh M, Takeuchi F, Verweij N, Wang X, Zhang W, Kelly T N, Saleheen D, Lehne B, Leach I M, Drong A W, Abbott J, Wahl S, Tan S T, Scott W R, Campanella G, Chadeau-Hyam M, Afzal U, Ahluwalia T S, Bonder M J, Chen P, Dehghan A, Edwards T L, Esko T, Go M J, Harris S E, Hartiala J, Kasela S, Kasturiratne A, Khor C C, Kleber M E, Li H, Mok Z Y, Nakatochi M, Sapari N S, Saxena R, Stewart A F, Stolk L, Tabara Y, Teh A L, Wu Y, Wu J Y, Zhang Y, Aits I, Da Silva Couto Alves A, Das S, Dorajoo R, Hopewell J C, Kim Y K, Koivula R W, Luan J, Lyytikainen L P, Nguyen Q N, Pereira M A, Postmus I, Raitakari O T, Bryan M S, Scott R A, Sorice R, Tragante V, Traglia M, White J, Yamamoto K, Zhang Y, Adair L S, Ahmed A, Akiyama K, Asif R, Aung T, Barroso I, Bjonnes A, Braun T R, Cai H, Chang L C, Chen C H, Cheng C Y, Chong Y S, Collins R, Courtney R, Davies G, Delgado G, Do L D, Doevendans P A, Gansevoort R T, Gao Y T, Grammer T B, Grarup N, Grewal J, Gu D, Wander G S, Hartikainen A L, Hazen S L, He J, Heng C K, Hixson J E, Hofman A, Hsu C, Huang W, Husemoen L L, Hwang J Y, Ichihara S, Igase M, Isono M, Justesen J M, Katsuya T, Kibriya M G, Kim Y J, Kishimoto M, Koh W P, Kohara K, Kumari M, Kwek K, Lee N R, Lee J, Liao J, Lieb W, Liewald D C, Matsubara T, Matsushita Y, Meitinger T, Mihailov E, Milani L, Mills R, Mononen N, Muller-Nurasyid M, Nabika T, Nakashima E, Ng H K, Nikus K, Nutile T, Ohkubo T, Ohnaka K, Parish S, Paternoster L, Peng H, Peters A, Pham S T, Pinidiyapathirage M J, Rahman M, Rakugi H, Rolandsson O, Rozario M A, Ruggiero D, Sala C F, Sarju R, Shimokawa K, Snieder H, Sparso T, Spiering W, Starr J M, Stott D J, Stram D O, Sugiyama T, Szymczak S, Tang W H, Tong L, Trompet S, Turjanmaa V, Ueshima H, Uitterlinden A G, Umemura S, Vaarasmaki M, Van Dam R M, Van Gilst W H, Van Veldhuisen D J, Viikari J S, Waldenberger M, Wang Y, Wang A, Wilson R, Wong T Y, Xiang Y B, Yamaguchi S, Ye X, Young R D, Young T L, Yuan J M, Zhou X, Asselbergs F W, Ciullo M, Clarke R, Deloukas P, Franke A, Franks P W, Franks S, Friedlander Y, Gross M D, Guo Z, Hansen T, Jarvelin M R, Jorgensen T, Jukema J W, Kahonen M, Kajio H, Kivimaki M, Lee J Y, Lehtimaki T, Linneberg A, Miki T, Pedersen O, Samani N J, Sorensen T I, Takayanagi R, Toniolo D, Consortium B, Gramplusd C A, Lifelines Cohort S, Interact C, Ahsan H, Allayee H, Chen Y T, Danesh J, Deary I J, Franco O H, Franke L, Heijman B T, Holbrook J D, Isaacs A, Kim B J, Lin X, Liu J, Marz W, Metspalu A, Mohlke K L, Sanghera D K, Shu X O, Van Meurs J B, Vithana E, Wickremasinghe A R, Wijmenga C, Wolffenbuttel B H, Yokota M, Zheng W, Zhu D, Vineis P, Kyrtopoulos S A, Kleinjans J C, Mccarthy M I, Soong R, Gieger C, Scott J, Teo Y Y, He J, Elliott P, Tai E S, Van Der Harst P, Kooner J S, Chambers J C. Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. Nat Genet 2015

Keeney J G, O'bleness M S, Anderson N, Davis J M, Arevalo N, Busquet N, Chick W, Rozman J, Hölter S M, Garrett L, Horsch M, German Mouse Clinic C, Aguilar-Pimentel J A, Amarie O V, Eickelberg O, Gailus-Durner V, Graw J, Hans W, Horsch M, Janik D, Neff F, Ollert M, Puk O, Rácz I, Rathkolb B, Stöger T, Yildirim A Ö, Beckers J, Wurst W, Klingenspor M, Restrepo D, Sikela J M, Hrabě De Angelis M. Generation of mice lacking DUF1220 protein domains: Effects on fecundity and hyperactivity. Mamm. Genome 2015; 26(1-2): 33-42

Keipert S, Kutschke M, Lamp D, Brachthäuser L, Neff F, Meyer C W, Oelkrug R, Kharitonenkov A, Jastroch M. Genetic disruption of uncoupling protein 1 in mice renders brown adipose tissue a significant source of FGF21 secretion. Mol. Metab. 2015; 4(7): 537-542

Kirsten H, Scholz M, Kovacs P, Grallert H, Peters A, Strauch K, Frank J, Rietschel M, Nothen M M, Witt H, Rosendahl J. Genetic variants of lipase activity in chronic pancreatitis. Gut 2015

Kloting N, Hesselbarth N, Gericke M, Kunath A, Biemann R, Chakaroun R, Kosacka J, Kovacs P, Kern M, Stumvoll M, Fischer B, Rolle-Kampczyk U, Feltens R, Otto W, Wissenbach D K, Von Bergen M, Bluher M. Di-(2-Ethylhexyl)-Phthalate (DEHP) Causes Impaired Adipocyte Function and Alters Serum Metabolites. PLoS One 2015; 10(12): e0143190

Klüppelholz B, Thorand B, Koenig W, De Las Heras Gala T, Meisinger C, Huth C, Giani G, Franks P W, Roden M, Rathmann W, Peters A, Herder C. Association of subclinical inflammation with deterioration of glycaemia before the diagnosis of type 2 diabetes: The KORA S4/F4 study. Diabetologia 2015; 58(10): 2269-2277

Kluth O, Matzke D, Kamitz A, Jahnert M, Vogel H, Scherneck S, Schulze M, Staiger H, Machicao F, Haring H U, Joost H G, Schurmann A. Identification of Four Mouse Diabetes Candidate Genes Altering beta-Cell Proliferation. PLoS Genet 2015; 11(9): e1005506

Koch M, Baurecht H, Ried J S, Rodriguez E, Schlesinger S, Volks N, Gieger C, Rückert I M, Heinrich L, Willenborg C, Smith C, Peters A, Thorand B, Koenig W, Lamina C, Jansen H, Kronenberg F, Seissler J, Thiery J, Rathmann W, Schunkert H, Erdmann J, Barker J, Nair R P, Tsoi L C, Elder J T, Mrowietz U, Weichenthal M, Mucha S, Schreiber S, Franke A, Schmitt J, Lieb W, Weidinger S. Psoriasis and cardiometabolic traits: Modest association but distinct genetic architectures. J. Invest. Dermatol. 2015; 135(5): 1283-1293

Koliaki C, Szendroedi J, Kaul K, Jelenik T, Nowotny P, Jankowiak F, Herder C, Carstensen M, Krausch M, Knoefel W T, Schlensak M, Roden M. Adaptation of hepatic mitochondrial function in humans with non-alcoholic fatty liver is lost in steatohepatitis. Cell Metab 2015; 21(5): 739-746

Kong B, Wu W, Cheng T, Schlitter A M, Qian C, Bruns P, Jian Z, Jager C, Regel I, Raulefs S, Behler N, Irmler M, Beckers J, Friess H, Erkan M, Siveke J T, Tannapfel A, Hahn S A, Theis F J, Esposito I, Kleeff J, Michalski C W. A subset of metastatic pancreatic ductal adenocarcinomas depends quantitatively on oncogenic Kras/Mek/Erk-induced hyperactive mTOR signalling. Gut 2015

Konrad K, Vogel C, Bollow E, Fritsch M, Lange K, Bartus B, Holl R W. 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 2015

Kovarova M, Konigsrainer I, Konigsrainer A, Machicao F, Haring H U, Schleicher E, Peter A. The genetic variant I148M in PNPLA3 is associated with increased hepatic retinyl-palmitate storage in humans. J Clin Endocrinol Metab 2015: jc20152978

Kroger J, Jacobs S, Jansen E H, Fritsche A, Boeing H, Schulze M B. Erythrocyte membrane fatty acid fluidity and risk of type 2 diabetes in the EPIC-Potsdam study. Diabetologia 2015; 58(2): 282-289

Krumsiek J, Mittelstrass K, Do K T, Stuckler F, Ried J, Adamski J, Peters A, Illig T, Kronenberg F, Friedrich N, Nauck M, Pietzner M, Mook-Kanamori D O, Suhre K, Gieger C, Grallert H, Theis F J, Kastenmuller G. Gender-specific pathway differences in the human serum metabolome. Metabolomics 2015; 11(6): 1815-1833

Kullmann S, Heni M, Fritsche A, Preissl H. Insulin action in the human brain: evidence from neuroimaging studies. J Neuroendocrinol 2015; 27(6): 419-423

Kullmann S, Heni M, Veit R, Scheffler K, Machann J, Haring H U, Fritsche A, Preissl H. Selective insulin resistance in homeostatic and cognitive control brain areas in overweight and obese adults. Diabetes Care 2015; 38(6): 1044-1050

Kullmann S, Schweizer F, Veit R, Fritsche A, Preissl H. Compromised white matter integrity in obesity. Obes Rev 2015; 16(4): 273-281

Kunz M, König I R, Schillert A, Kruppa J, Ziegler A, Grallert H, Müller-Nurasyid M, Lieb W, Franke A, Ranki A, Panelius J, Koskenmies S, Hasan T, Kere J, Rönn A C, Simon J C, Schmidt E, Wenzel J, Tüting T, Landsberg J, Zeller T, Blankenberg S, Gläser R, Patsinakidis N, Kuhn A, Ibrahim S M. Genome-wide association study identifies new susceptibility loci for cutaneous lupus erythematosus. Exp. Dermatol. 2015; 24(7): 510-515

Kunze S, Dalke C, Fuchs H, Klaften M, Rossler U, Hornhardt S, Gomolka M, Puk O, Sabrautzki S, Kulka U, Hrabe De Angelis M, Graw J. New mutation in the mouse xpd/ercc2 gene leads to recessive cataracts. PLoS One 2015; 10(5): e0125304

Lasserre J P, Dautant A, Aiyar R S, Kucharczyk R, Glatigny A, Tribouillard-Tanvier D, Rytka J, Blondel M, Skoczen N, Reynier P, Pitayu L, Rotig A, Delahodde A, Steinmetz L M, Dujardin G, Procaccio V, Di Rago J P. Yeast as a system for modeling mitochondrial disease mechanisms and discovering therapies. Dis Model Mech 2015; 8(6): 509-526

Laxy M, Hunger M, Stark R, Meisinger C, Kirchberger I, Heier M, Von Scheidt W, Holle R. The Burden of Diabetes Mellitus in Patients with Coronary Heart Disease: A Methodological Approach to Assess Quality-Adjusted Life-Years Based on Individual-Level Longitudinal Survey Data. Value Health 2015; 18(8): 969-976

Laxy M, Malecki K C, Givens M L, Walsh M C, Nieto F J. The association between neighborhood economic hardship, the retail food environment, fast food intake, and obesity: Findings from the Survey of the Health of Wisconsin. BMC Public Health 2015; 15(1)

Laxy M, Stark R G, Meisinger C, Kirchberger I, Heier M, Von Scheidt W, Holle R. The effectiveness of German Disease Management Programs (DMPs) in patients with type 2 diabetes mellitus and coronary heart disease: Results from an observational longitudinal study. Diabetol. Metab. Syndr. 2015; 7(1)

Lehmann R, Friedrich T, Krebiehl G, Sonntag D, Haring H U, Fritsche A, Hennige A M. Metabolic profiles during an oral glucose tolerance test in pregnant women with and without gestational diabetes. Exp Clin Endocrinol Diabetes 2015; 123(7): 483-438

Lenoir M, Grzybek M, Majkowski M, Rajesh S, Kaur J, Whittaker S B, Coskun U, Overduin M. Structural basis of dynamic membrane recognition by trans-Golgi network specific FAPP proteins. J Mol Biol 2015; 427(4): 966-981

Lim H W, Uhlenhaut N H, Rauch A, Weiner J, Hubner S, Hubner N, Won K J, Lazar M A, Tuckermann J, Steger D J. Genomic redistribution of GR monomers and dimers mediates transcriptional response to exogenous glucocorticoid in vivo. Genome Res 2015; 25(6): 836-844

152. Locke A E, Kahali B, Berndt S I, Justice A E, Pers T H, Day F R, Powell C, Vedantam S, Buchkovich M L, Yang J, Croteau-Chonka D C, Esko T, Fall T, Ferreira T, Gustafsson S, Kutalik Z, Luan J, Magi R, Randall J C, Winkler T W, Wood A R, Workalemahu T, Faul J D, Smith J A, Hua Zhao J, Zhao W, Chen J, Fehrmann R, Hedman A K, Karjalainen J, Schmidt E M, Absher D, Amin N, Anderson D, Beekman M, Bolton J L, Bragg-Gresham J L, Buyske S, Demirkan A, Deng G, Ehret G B, Feenstra B, Feitosa M F, Fischer K, Goel A, Gong J, Jackson A U, Kanoni S, Kleber M E, Kristiansson K, Lim U, Lotay V, Mangino M, Mateo Leach I, Medina-Gomez C, Medland S E, Nalls M A, Palmer C D, Pasko D, Pechlivanis S, Peters M J, Prokopenko I, Shungin D, Stancakova A, Strawbridge R J, Ju Sung Y, Tanaka T, Teumer A, Trompet S, Van Der Laan S W, Van Setten J, Van Vliet-Ostaptchouk J V, Wang Z, Yengo L, Zhang W, Isaacs A, Albrecht E, Arnlov J, Arscott G M, Attwood A P, Bandinelli S, Barrett A, Bas I N, Bellis C, Bennett A J, Berne C, Blagieva R, Bluher M, Bohringer S,

Bonnycastle L L, Bottcher Y, Boyd H A, Bruinenberg M, Caspersen I H, Ida Chen Y D, Clarke R, Daw E W, De Craen A J, Delgado G, Dimitriou M, Doney A S, Eklund N, Estrada K, Eury E, Folkersen L, Fraser R M, Garcia M E, Geller F, Giedraitis V, Gigante B, Go A S, Golay A, Goodall A H, Gordon S D, Gorski M, Grabe H J, Grallert H, Grammer T B, Grassler J, Gronberg H, Groves C J, Gusto G, Haessler J, Hall P, Haller T, Hallmans G, Hartman C A, Hassinen M, Hayward C, Heard-Costa N L, Helmer Q, Hengstenberg C, Holmen O, Hottenga J J, James A L, Jeff J M, Johansson A, Jolley J, Juliusdottir T, Kinnunen L, Koenig W, Koskenvuo M, Kratzer W, Laitinen J, Lamina C, Leander K, Lee N R, Lichtner P, Lind L, Lindstrom J, Sin Lo K, Lobbens S, Lorbeer R, Lu Y, Mach F, Magnusson P K, Mahajan A, Mcardle W L, Mclachlan S, Menni C, Merger S, Mihailov E, Milani L, Moayyeri A, Monda K L, Morken M A, Mulas A, Muller G, Muller-Nurasyid M, Musk A W, Nagaraja R, Nothen M M, Nolte I M, Pilz S, Rayner N W, Renstrom F, Rettig R, Ried J S, Ripke S, Robertson N R, Rose L M, Sanna S, Scharnagl H, Scholtens S, Schumacher F R, Scott W R, Seufferlein T, Shi J, Vernon Smith A, Smolonska J, Stanton A V, Steinthorsdottir V, Stirrups K, Stringham H M, Sundstrom J, Swertz M A, Swift A J, Syvanen A C, Tan S T, Tayo B O, Thorand B, Thorleifsson G, Tyrer J P, Uh H W, Vandenput L, Verhulst F C, Vermeulen S H, Verweij N, Vonk J M, Waite L L, Warren H R, Waterworth D, Weedon M N, Wilkens L R, Willenborg C, Wilsgaard T, Wojczynski M K, Wong A, Wright A F, Zhang Q, Lifelines Cohort S, Brennan E P, Choi M, Dastani Z, Drong A W, Eriksson P, Franco-Cereceda A, Gadin J R, Gharavi A G, Goddard M E, Handsaker R E, Huang J, Karpe F, Kathiresan S, Keildson S, Kiryluk K, Kubo M, Lee J Y, Liang L, Lifton R P, Ma B, Mccarroll S A, Mcknight A J, Min J L, Moffatt M F, Montgomery G W, Murabito J M, Nicholson G, Nyholt D R, Okada Y, Perry J R, Dorajoo R, Reinmaa E, Salem R M, Sandholm N, Scott R A, Stolk L, Takahashi A, Tanaka T, Van't Hooft F M, Vinkhuyzen A A, Westra H J, Zheng W, Zondervan K T, Consortium A D, Group A-B W, Consortium C a D, Consortium C K, Glgc, Icbp, Investigators M, Mu T C, Consortium M I, Consortium P, Reprogen C, Consortium G, International Endogene C, Heath A C, Arveiler D, Bakker S J, Beilby J, Bergman R N, Blangero J, Bovet P, Campbell H, Caulfield M J, Cesana G, Chakravarti A, Chasman D I, Chines P S, Collins F S, Crawford D C, Cupples L A, Cusi D, Danesh J, De Faire U, Den Ruijter H M, Dominiczak A F, Erbel R, Erdmann J, Eriksson J G, Farrall M, Felix S B, Ferrannini E, Ferrieres J, Ford I, Forouhi N G, Forrester T, Franco O H, Gansevoort R T, Gejman P V, Gieger C, Gottesman O, Gudnason V, Gyllensten U, Hall A S, Harris T B, Hattersley A T, Hicks A A, Hindorff L A, Hingorani A D, Hofman A, Homuth G, Hovingh G K, Humphries S E, Hunt S C, Hypponen E, Illig T, Jacobs K B, Jarvelin M R, Jockel K H, Johansen B, Jousilahti P, Jukema J W, Jula A M, Kaprio J, Kastelein J J, Keinanen-Kiukaanniemi S M, Kiemeney L A, Knekt P, Kooner J S, Kooperberg C, Kovacs P, Kraja A T, Kumari M, Kuusisto J, Lakka T A, Langenberg C, Le Marchand L, Lehtimaki T, Lyssenko V, Mannisto S, Marette A, Matise T C, Mckenzie C A, Mcknight B, Moll F L, Morris A D, Morris A P, Murray J C, Nelis M, Ohlsson C, Oldehinkel A J, Ong K K, Madden P A, Pasterkamp G, Peden J F, Peters A, Postma D S, Pramstaller P P, Price J F, Qi L, Raitakari O T, Rankinen T, Rao D C, Rice T K, Ridker P M, Rioux J D, Ritchie M D, Rudan I, Salomaa V, Samani N J, Saramies J, Sarzynski M A, Schunkert H, Schwarz P E, Sever P, Shuldiner A R, Sinisalo J, Stolk R P, Strauch K, Tonjes A, Tregouet D A, Tremblay A, Tremoli E, Virtamo J, Vohl M C, Volker U, Waeber G, Willemsen G, Witteman J C, Zillikens M C, Adair L S, Amouyel P, Asselbergs F W, Assimes T L, Bochud M, Boehm B O, Boerwinkle E, Bornstein S R, Bottinger E P, Bouchard C, Cauchi S, Chambers J C, Chanock S J, Cooper R S, De Bakker P I, Dedoussis G, Ferrucci L, Franks P W, Froguel P, Groop L C, Haiman C A, Hamsten A, Hui J, Hunter D J, Hveem K, Kaplan R C, Kivimaki M, Kuh D, Laakso M, Liu Y, Martin N G, Marz W, Melbye M, Metspalu A, Moebus S, Munroe P B, Njolstad I, Oostra B A, Palmer C N, Pedersen N L, Perola M, Perusse L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo T E, Saleheen D, Sattar N, Schadt E E, Schlessinger D, Slagboom P E, Snieder H, Spector T D, Thorsteinsdottir U, Stumvoll M, Tuomilehto J, Uitterlinden A G, Uusitupa M, Van Der Harst P, Walker M, Wallaschofski H, Wareham N J, Watkins H, Weir D R, Wichmann H E, Wilson J F, Zanen P, Borecki I B, Deloukas P, Fox C S, Heid I M, O'connell J R, Strachan D P, Stefansson K, Van Duijn C M, Abecasis G R, Franke L, Frayling T M, Mccarthy M I, Visscher P M, Scherag A, Willer C J, Boehnke M, Mohlke K L, Lindgren C M, Beckmann J S, Barroso I, North K E, Ingelsson E, Hirschhorn J N, Loos R J, Speliotes E K. Genetic studies of body mass index yield new insights for obesity biology. Nature 2015; 518(7538): 197-206

Lohkamp L N, Ollinger R, Chatzigeorgiou A, Illigens B M, Siepmann T. Intraoperative biomarkers in renal transplantation. Nephrology (Carlton) 2015

Ludwig B, Reichel A, Kruppa A, Ludwig S, Steffen A, Weitz J, Bornstein S R. Islet transplantation at the Dresden diabetes center: five years' experience. Horm Metab Res 2015; 47(1): 4-8

Luisoni S, Suomalainen M, Boucke K, Tanner L B, Wenk M R, Guan X L, Grzybek M, Coskun U, Greber U F. Co-option of Membrane Wounding Enables Virus Penetration into Cells. Cell Host Microbe 2015; 18(1): 75-85

Lunetta K L, Day F R, Sulem P, Ruth K S, Tung J Y, Hinds D A, Esko T, Elks C E, Altmaier E M, He C, Huffman J E, Mihailov E, Porcu E, Robino A, Rose L M, Schick U M, Stolk L, Teumer A, Thompson D J, Traglia M, Wang C A, Yerges-Armstrong L M, Antoniou A C, Barbieri C, Coviello A D, Cucca F, Demerath E W, Dunning A M, Gandin I, Grove M L, Gudbjartsson D F, Hocking L J, Hofman A, Huang J, Jackson R D, Karasik D, Kriebel J, Lange E M, Lange L A, Langenberg C, Li X, Luan J, Mägi R, Morrison A C, Padmanabhan S, Pirie A, Polasek O, Porteous D J, Reiner A P, Rivadeneira F, Rudan I, Sala C F, Schlessinger D, Scott R A, Stöckl D, Visser J A, Völker U, Vozzi D, Wilson J G, Zygmunt M, Consortium E P-I, Generation Scotland C, Boerwinkle E, Buring J E, Crisponi L, Easton D F, Hayward C, Hu F B, Liu S, Metspalu A, Pennell C E, Ridker P M, Strauch K, Streeten E A, Toniolo D, Uitterlinden A G, Ulivi S, Völzke H, Wareham N J, Wellons M, Franceschini N, Chasman D I, Thorsteinsdottir U, Murray A, Stefansson K, Murabito J M, Ong K K, Perry J R. Rare coding variants and X-linked loci associated with age at menarche. Nat. Commun. 2015; 6

Ly-Verdú S, Gröger T M, Arteaga-Salas J M, Brandmaier S, Kahle M, Neschen S, Hrabě De Angelis M, Zimmermann R. Combining metabolomic non-targeted GC×GC-ToF-MS analysis and chemometric ASCA-based study of variances to assess dietary influence on type 2 diabetes development in a mouse model. Anal. Bioanal. Chem. 2015; 407(1): 343-354

Ma C, Boehnke M, Lee S, Go T D C, Grallert H, Hrabě De Angelis M, Huth C, Kriebel J, Meisinger C, Meitinger T, Müller-Nurasyid M, Peters A, Ried J S, Strauch K, Strom T M. Evaluating the calibration and power of three gene-based association tests of rare variants for the X chromosome. Genet. Epidemiol. 2015; 39(7): 499-508

Maahs D M, Hermann J M, Holman N, Foster N C, Kapellen T M, Allgrove J, Schatz D A, Hofer S E, Campbell F, Steigleder-Schweiger C, Beck R W, Warner J T, Holl R W. Rates of Diabetic Ketoacidosis: International Comparison With 49,859 Pediatric Patients With Type 1 Diabetes From England, Wales, the U.S., Austria, and Germany. Diabetes Care 2015; 38(10): 1876-1882

Mahajan A, Sim X, Ng H J, Manning A, Rivas M A, Highland H M, Locke A E, Grarup N, Im H K, Cingolani P, Flannick J, Fontanillas P, Fuchsberger C, Gaulton K J, Teslovich T M, Rayner N W, Robertson N R, Beer N L, Rundle J K, Bork-Jensen J, Ladenvall C, Blancher C, Buck D, Buck G, Burtt N P, Gabriel S, Gjesing A P, Groves C J, Hollensted M, Huyghe J R, Jackson A U, Jun G, Justesen J M, Mangino M, Murphy J, Neville M, Onofrio R, Small K S, Stringham H M, Syvanen A C, Trakalo J, Abecasis G, Bell G I, Blangero J, Cox N J, Duggirala R, Hanis C L, Seielstad M, Wilson J G, Christensen C, Brandslund I, Rauramaa R, Surdulescu G L, Doney A S, Lannfelt L, Linneberg A, Isomaa B, Tuomi T, Jørgensen M E, Jørgensen T, Kuusisto J, Uusitupa M, Salomaa V, Spector T D, Morris A D, Palmer C N, Collins F S, Mohlke K L, Bergman R N, Ingelsson E, Lind L, Tuomilehto J, Hansen T, Watanabe R M, Prokopenko I, Dupuis J, Karpe F, Groop L, Laakso M, Pedersen O, Florez J C, Morris A P, Altshuler D, Meigs J B, Boehnke M, Mccarthy M I, Lindgren C M, Gloyn A L, Consortium T D G, Go T D C, Gieger C, Grallert H, Huth C, Kriebel J, Meisinger C, Meitinger T, Peters A, Ried J S, Strauch K, Strom T M, Go T D C. Identification and functional characterization of G6PC2 coding variants influencing glycemic traits define an effector transcript at the G6PC2-ABCB11 locus. PLoS Genet. 2015; 11(1)

Mannil D, Vogt I, Prinz J, Campillos M. Organ system heterogeneity DB: a database for the visualization of phenotypes at the organ system level. Nucleic Acids Res 2015; 43(Database issue): D900-906

Marquard J, Otter S, Welters A, Stirban A, Fischer A, Eglinger J, Herebian D, Kletke O, Klemen M S, Stozer A, Wnendt S, Piemonti L, Kohler M, Ferrer J, Thorens B, Schliess F, Rupnik M S, Heise T, Berggren P O, Klocker N, Meissner T, Mayatepek E, Eberhard D, Kragl M, Lammert E. Characterization of pancreatic NMDA receptors as possible drug targets for diabetes treatment. Nat Med 2015; 21(4): 363-372

Marquard J, Stirban A, Schliess F, Sievers F, Welters A, Otter S, Fischer A, Wnendt S, Meissner T, Heise T, Lammert E. Effects of dextromethorphan as add-on to sitagliptin on blood glucose and serum insulin concentrations in individuals with type 2 diabetes mellitus: A randomized, placebo-controlled, double-blinded, multiple crossover, single-dose clinical trial. Diabetes Obes Metab 2015

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. Magn Reson Med 2015

Medrikova D, Sijmonsma T P, Sowodniok K, Richards D M, Delacher M, Sticht C, Gretz N, Schafmeier T, Feuerer M, Herzig S. Brown adipose tissue harbors a distinct sub-population of regulatory T cells. PLoS ONE 2015; 10(2)

Meyer C W, Reitmeir P, Tschöp M H. Exploration of energy metabolism in the mouse using indirect calorimetry: Measurement of Daily Energy Expenditure (DEE) and Basal Metabolic Rate (BMR), 2015. p. 205-222.

Migliorini A, Lickert H. Beyond association: A functional role for Tcf7l2 in beta-cell development. Mol Metab 2015; 4(5): 365-366

Mook-Kanamori D O, De Mutsert R, Rensen P C, Prehn C, Adamski J, Heijer M D, Le Cessie S, Suhre K, Rosendaal F R, Van Dijk K W. Type 2 diabetes is associated with postprandial amino acid measures. Arch. Biochem. Biophys. 2015

Muendlein A, Kinz E, Gasser K, Leiherer A, Rein P, Saely C H, Grallert H, Peters A, Fraunberger P, Drexel H, Lang A H. Occurrence of the JAK2 V617F mutation in patients with peripheral arterial disease. Am. J. Hematol. 2015; 90(1): E17-E21

Muhlenbruch K, Kuxhaus O, Pencina M J, Boeing H, Liero H, Schulze M B. A confidence ellipse for the Net Reclassification Improvement. Eur J Epidemiol 2015; 30(4): 299-304

Müller T D, Nogueiras R A, Andermann M L, Andrews Z B, Anker S D, Argente J, Batterham R, Benoit S C, Bowers C Y, Broglio F, Casanueva F F F, D'alessio D, Depoortere I, Geliebter A A, Ghigo E, Cole P A, Cowley M A, Cummings D E, Dagher A, Diano S, Dickson S L, Dieguez C, Granata R, Grill H J, Grove K L, Habegger K M, Heppner K M, Heiman M L, Holsen L, Holst B, Inui A, Jansson J O, Kirchner H, Korbonits M, Laferrère B, Leroux C W, López M D, Morin S, Nakazato M, Nass R, Perez-Tilve D, Pfluger P T, Schwartz T W, Seeley R J, Sleeman M W, Sun Y, Sussel L, Tong J, Thorner M O, Van Der Lely A J, Van Der Ploeg L H T, Zigman J M, Kojima M, Kangawa K, Smith R G, Horvath T, Tschöp M H. Ghrelin. Mol. Metab. 2015; 4(6): 437–460

Nahon K J, Boon M R, Bakker L E H, Prehn C, Adamski J, Jazet I M, Van Dijk K W, Rensen P C N, Mook-Kanamori D O. Physiological changes due to mild cooling in healthy lean males of white Caucasian and South Asian descent: A metabolomics study. Arch. Biochem. Biophys. 2015

Nead K T, Li A, Wehner M R, Neupane B, Gustafsson S, Butterworth A, Engert J C, Davis A D, Hegele R A, Miller R, Den Hoed M, Khaw K T, Kilpelainen T O, Wareham N, Edwards T L, Hallmans G, Varga T V, Kardia S L, Smith J A, Zhao W, Faul J D, Weir D, Mi J, Xi B, Quinteros S C, Cooper C, Sayer A A, Jameson K, Grontved A, Fornage M, Sidney S, Hanis C L, Highland H M, Haring H U, Heni M, Lasky-Su J, Weiss S T, Gerhard G S, Still C, Melka M M, Pausova Z, Paus T, Grant S F, Hakonarson H, Price R A, Wang K, Scherag A, Hebebrand J, Hinney A, Biobank Japan A-B M I G C, Franks P W, Frayling T M, Mccarthy M I, Hirschhorn J N, Loos R J, Ingelsson E, Gerstein H C, Yusuf S, Beyene J, Anand S S, Meyre D. Contribution of common non-synonymous variants in PCSK1 to body mass index variation and risk of obesity: a systematic review and meta-analysis with evidence from up to 331 175 individuals. Hum Mol Genet 2015; 24(12): 3582-3594

Neamat-Allah J, Barrdahl M, Husing A, Katzke V A, Bachlechner U, Steffen A, Kaaks R, Schulze M B, Boeing H, Kuhn T. Weight cycling and the risk of type 2 diabetes in the EPIC-Germany cohort. Diabetologia 2015

Neschen S, Scheerer M, Seelig A, Huypens P, Schultheiss J, Wu M, Wurst W, Rathkolb B, Suhre K, Wolf E, Beckers J, Hrabě De Angelis M. Metformin supports the antidiabetic effect of a sodium glucose

cotransporter 2 inhibitor by suppressing endogenous glucose production in diabetic mice. Diabetes 2015; 64(1): 284-290

Neth K, Lucio M, Walker A, Kanawati B, Zorn J, Schmitt-Kopplin P, Michalke B. Diverse serum manganese species affect brain metabolites depending on exposure conditions. Chem. Res. Toxicol. 2015; 28(7): 1434-1442

Neth K, Lucio M, Walker A, Zorn J, Schmitt-Kopplin P, Michalke B. Changes in brain metallome/metabolome pattern due to a single i.v. injection of manganese in rats. PLoS ONE 2015; 10(9)

Nettersheim A, Hallschmid M, Born J, Diekelmann S. The role of sleep in motor sequence consolidation: stabilization rather than enhancement. J Neurosci 2015; 35(17): 6696-6702

Niopek K, Berriel Diaz M, Nawroth P, Herzig S. Mind the Ga(b)p! – a novel hepatic gatekeeper at the switch point of metabolic homeostasis and diabetic late complications controlled by reactive metabolites. Diabetol. Stoffwechs. 2015; 10

Nowotny B, Zahiragic L, Bierwagen A, Kabisch S, Groener J B, Nowotny P J, Fleitmann A K, Herder C, Pacini G, Erlund I, Landberg R, Häring H U, Pfeiffer A F, Nawroth P P, Roden M. Low-energy diets differing in fibre, red meat and coffee intake equally improve insulin sensitivity in type 2 diabetes: A randomised feasibility trial. Diabetologia 2015; 58(2): 255-264

Okun J G, Conway S, Schmidt K V, Schumacher J, Wang X, De Guia R, Zota A, Klement J, Seibert O, Peters A, Maida A, Herzig S, Rose A J. Molecular regulation of urea cycle function by the liver glucocorticoid receptor. Mol. Metab. 2015; 4(10): 732-740

Ott V, Lehnert H, Staub J, Wönne K, Born J, Hallschmid M. Central nervous insulin administration does not potentiate the acute glucoregulatory impact of concurrent mild hyperinsulinemia. Diabetes 2015; 64(3): 760-765

Oyanedel C N, Kelemen E, Scheller J, Born J, Rose-John S. Peripheral and central blockade of interleukin-6 trans-signaling differentially affects sleep architecture. Brain Behav Immun 2015

Pabst G, Zimmermann A K, Huth C, Koenig W, Ludwig T, Zierer A, Peters A, Thorand B. Association of low 25-hydroxyvitamin D levels with the frailty syndrome in an aged population: Results from the KORA-Age Augsburg study. J. Nutr. Health Aging 2015; 19(3): 258-264

Panse M, Gerst F, Kaiser G, Teutsch C A, Dolker R, Wagner R, Haring H U, Ullrich S. Activation of extracellular signal-regulated protein kinases 1 and 2 (ERK1/2) by free fatty acid receptor 1 (FFAR1/GPR40) protects from palmitate-induced beta cell death, but plays no role in insulin secretion. Cell Physiol Biochem 2015; 35(4): 1537-1545

Pesta D H, Perry R J, Guebre-Egziabher F, Zhang D, Jurczak M, Fischer-Rosinsky A, Daniels M A, Willmes D M, Bhanot S, Bornstein S R, Knauf F, Samuel V T, Shulman G I, Birkenfeld A L. Prevention of diet-induced hepatic steatosis and hepatic insulin resistance by second generation antisense oligonucleotides targeted to the longevity gene mIndy (Slc13a5). Aging (Albany NY) 2015; 7(12): 1086-1093

Peters A, Hampel R, Cyrys J, Breitner S, Geruschkat U, Kraus U, Zareba W, Schneider A. Elevated particle number concentrations induce immediate changes in heart rate variability: a panel study in individuals with impaired glucose metabolism or diabetes. Part Fibre Toxicol 2015; 12: 7

Petrezselyova S, Kinsky S, Truban D, Sedlacek R, Burtscher I, Lickert H. Homology arms of targeting vectors for gene insertions and Crispr/Cas9 technology: Size does not matter; quality control of targeted clones does. Cell. Mol. Biol. Lett. 2015

Pfeiffer L, Wahl S, Pilling L C, Reischl E, Sandling J K, Kunze S, Holdt L M, Kretschmer A, Schramm K, Adamski J, Klopp N, Illig T, Hedman A K, Roden M, Hernandez D G, Singleton A B, Thasler W E, Grallert H, Gieger C, Herder C, Teupser D, Meisinger C, Spector T D, Kronenberg F, Prokisch H, Melzer D, Peters A, Deloukas P,

Ferrucci L, Waldenberger M. DNA methylation of lipid-related genes affects blood lipid levels. Circ. Cardiovasc. Genet. 2015; 8(2): 334-342

Pfluger P T, Kabra D G, Aichler M, Schriever S C, Pfuhlmann K, Casquero García V, Lehti M, Weber J, Kutschke M, Rozman J, Elrod J W, Hevener A L, Feuchtinger A, Hrabě De Angelis M, Walch A K, Rollmann S M, Aronow B J, Müller T D, Perez-Tilve D, Jastroch M, De Luca M, Molkentin J D, Tschöp M H. Calcineurin links mitochondrial elongation with energy metabolism. Cell Metab. 2015; 22(5): 838-850

Pivovarova O, Von Loeffelholz C, Ilkavets I, Sticht C, Zhuk S, Murahovschi V, Lukowski S, Döcke S, Kriebel J, De Las Heras Gala T, Malashicheva A, Kostareva A, Lock J F, Stockmann M, Grallert H, Gretz N, Dooley S, Pfeiffer A F, Rudovich N N. Modulation of insulin degrading enzyme activity and liver cell proliferation. Cell Cycle 2015; 14(14): 2293-2300

Podkalicka J, Biernatowska A, Majkowski M, Grzybek M, Sikorski A F. MPP1 as a Factor Regulating Phase Separation in Giant Plasma Membrane-Derived Vesicles. Biophys J 2015; 108(9): 2201-2211

Preusse M, Marr C, Saunders S, Maticzka D, Lickert H, Backofen R, Theis F J. SimiRa: A tool to identify coregulation between microRNAs and RNA-binding proteins. RNA Biol. 2015; 12(9): 998-1009

Ramos-Murguialday A, Garcia-Cossio E, Walter A, Cho W, Broetz D, Bogdan M, Cohen L G, Birbaumer N. Decoding upper limb residual muscle activity in severe chronic stroke. Ann Clin Transl Neurol 2015; 2(1): 1-11

Rausch V, Straub B K, Peccerella T, Pawella L M, Lackner C, Yagmur E, Stickel F, Herzig S, Seitz H K, Longerich T, Mueller S. Primary hepatocellular damage and suppressed fat mobilization in heavy drinkers with PNPLA3 G genotype. Alcohol Alcohol. 2015; 50

Reinehr T, Karges B, Meissner T, Wiegand S, Fritsch M, Holl R W, Woelfle J. Fibroblast Growth Factor 21 and Fetuin-A in Obese Adolescents With and Without Type 2 Diabetes. J Clin Endocrinol Metab 2015; 100(8): 3004-3010

Reinehr T, Woelfle J, Wiegand S, Karges B, Meissner T, Nagl K, Holl R W. Leptin but not adiponectin is related to type 2 diabetes mellitus in obese adolescents. Pediatric Diabetes 2015: n/a-n/a

Reinehr T, Wolters B, Knop C, Lass N, Hellmuth C, Harder U, Peissner W, Wahl S, Grallert H, Adamski J, Illig T, Prehn C, Yu Z, Wang-Sattler R, Koletzko B. Changes in the serum metabolite profile in obese children with weight loss. Eur. J. Nutr. 2015; 54(2): 173-181

Reis W L, Yi C X, Gao Y, Tschöp M H, Stern J E. Brain innate immunity regulates hypothalamic arcuate neuronal activity and feeding behavior. Endocrinology 2015; 156(4): 1303-1315

Rottenkolber M, Ferrari U, Holland L, Aertsen S, Kammer N N, Hetterich H, Fugmann M, Banning F, Weise M, Sacco V, Kohn D, Freibothe I, Hutter S, Hasbargen U, Lehmann R, Grallert H, Parhofer K G, Seissler J, Lechner A. The diabetes risk phenotype of young women with recent gestational diabetes. J. Clin. Endocrinol. Metab. 2015; 100(6): E910-E918

Rozman J, Rathkolb B, Neschen S, Fuchs H, Gailus-Durner V, Klingenspor M, Wolf E, Hrabě De Angelis M. Glucose tolerance tests for systematic screening of glucose homeostasis in mice. Curr. Protoc. Mouse Biol. 2015; 5(1): 65-84

Ruckert I M, Baumert J, Schunk M, Holle R, Schipf S, Volzke H, Kluttig A, Greiser K H, Tamayo T, Rathmann W, Meisinger C. Blood Pressure Control Has Improved in People with and without Type 2 Diabetes but Remains Suboptimal: A Longitudinal Study Based on the German DIAB-CORE Consortium. PLoS One 2015; 10(7): e0133493

Russell-Jones D, Danne T, Hermansen K, Niswender K, Robertson K, Thalange N, Vasselli J R, Yildiz B, Haring H U. Weight-sparing effect of insulin detemir: a consequence of central nervous system-mediated reduced energy intake? Diabetes Obes Metab 2015; 17(10): 919-927

Sampsonidis I, Witting M, Koch W, Virgiliou C, Gika H G, Schmitt-Kopplin P, Theodoridis G A. Computational analysis and ratiometric comparison approaches aimed to assist column selection in hydrophilic interaction liquid chromatography-tandem mass spectrometry targeted metabolomics. J Chromatogr A 2015; 1406: 145-155

Sartorius T, Drescher A, Panse M, Lastovicka P, Peter A, Weigert C, Kostenis E, Ullrich S, Häring H U. Mice lacking Free Fatty Acid Receptor 1 (GPR40/FFAR1) are protected against conjugated linoleic acid-induced fatty liver but develop inflammation and insulin resistance in the brain. Cell. Physiol. Biochem. 2015; 35(6): 2272-2284

Sartorius T, Peter A, Heni M, Maetzler W, Fritsche A, Haring H U, Hennige A M. The brain response to peripheral insulin declines with age: a contribution of the blood-brain barrier? PLoS One 2015; 10(5): e0126804

Schäfer A, Neschen S, Kahle M, Sarioglu H, Gaisbauer T, Imhof A, Adamski J, Hauck S M, Ueffing M. The epoxyeicosatrienoic acid pathway enhances hepatic insulin signaling and is repressed in insulin-resistant mouse liver. Mol. Cell. Proteomics 2015; 14(10): 2764-2774

Schäfer M, Oeing C U, Rohm M, Baysal-Temel E, Lehmann L H, Bauer R, Volz H C, Boutros M, Sohn D, Sticht C, Gretz N, Eichelbaum K, Werner T, Hirt M N, Eschenhagen T, Müller-Decker K, Strobel O, Hackert T, Krijgsveld J, Katus H A, Berriel Diaz M, Backs J, Herzig S. Ataxin-10 is part of a cachexokine cocktail triggering cardiac metabolic dysfunction in cancer cachexia. Mol. Metab. 2015

Scheler M, De Angelis M H, Al-Hasani H, Haring H U, Weigert C, Lehr S. Methods for proteomics-based analysis of the human muscle secretome using an in vitro exercise model. Methods Mol Biol 2015; 1295: 55-64

Schering L, Hoene M, Kanzleiter T, Jahnert M, Wimmers K, Klaus S, Eckel J, Weigert C, Schurmann A, Maak S, Jonas W, Sell H. Identification of novel putative adipomyokines by a cross-species annotation of secretomes and expression profiles. Arch Physiol Biochem 2015; 121(5): 194-205

Scheuing N, Wiegand S, Bachle C, Frohlich-Reiterer E, Hahn E, Icks A, Ludwig K H, Monkemoller K, Razum O, Rosenbauer J, Holl R W. Impact of Maternal Country of Birth on Type-1-Diabetes Therapy and Outcome in 27,643 Children and Adolescents from the DPV Registry. PLoS One 2015; 10(8): e0135178

Schikowski T, Vossoughi M, Vierkotter A, Schulte T, Teichert T, Sugiri D, Fehsel K, Tzivian L, Bae I S, Ranft U, Hoffmann B, Probst-Hensch N, Herder C, Kramer U, Luckhaus C. Association of air pollution with cognitive functions and its modification by APOE gene variants in elderly women. Environ Res 2015; 142: 10-16

Schloot N C, Haupt A, Schutt M, Badenhoop K, Laimer M, Nicolay C, Reaney M, Fink K, Holl R W. 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 Metab Res Rev 2015

Schmidt E M, Linz B, Diekelmann S, Besedovsky L, Lange T, Born J. Effects of an interleukin-1 receptor antagonist on human sleep, sleep-associated memory consolidation, and blood monocytes. Brain Behav Immun 2015; 47: 178-185

Schmitz F, Roscioni S, Lickert H. Repurposing an osteoporosis drug for β cell regeneration in diabetic patients. Cell Metab. 2015; 22(1): 58-59

Schriever S C, Pfluger P T. Setting the TRAP for central leptin targets. Mol. Metab. 2015; 4(5): 363–364

Schunk M, Stark R, Reitmeir P, Meisinger C, Holle R. Towards patient-oriented diabetes care: results from two KORA surveys in southern Germany. J Diabetes Res 2015; 2015: 368570

Schwab K O, Doerfer J, Hungele A, Scheuing N, Krebs A, Dost A, Rohrer T R, Hofer S, Holl R W. Non-High-Density Lipoprotein Cholesterol in Children with Diabetes: Proposed Treatment Recommendations Based on Glycemic Control, Body Mass Index, Age, Sex, and Generally Accepted Cut Points. J Pediatr 2015

Schwab S, Zierer A, Heier M, Fischer B, Huth C, Baumert J J, Meisinger C, Peters A, Thorand B. Intake of vitamin and mineral supplements and longitudinal association with HbA1c levels in the general non-diabetic population - results from the MONICA/KORA S3/F3 study. PLoS ONE 2015; 10(10)

Schwandt A, Bergis D, Dapp A, Ebner S, Jehle P M, Koppen S, Risse A, Zimny S, Holl R W. Psoriasis and Diabetes: A Multicenter Study in 222078 Type 2 Diabetes Patients Reveals High Levels of Depression. J Diabetes Res 2015; 2015: 792968

Schwarz F, Karadeniz Z, Fischer-Rosinsky A, Willmes D M, Spranger J, Birkenfeld A L. Knockdown of Indy/CeNac2 extends Caenorhabditis elegans life span by inducing AMPK/aak-2. Aging (Albany NY) 2015; 7(8): 553-567

Schwenk R, Hrabě De Angelis M, Beckers J. Epigenetische Vererbung - ist die Zukunft diabetisch? Diabetes akt. 2015; 13(2): 72-74

Schwenk R W, Baumeier C, Finan B, Kluth O, Brauer C, Joost H G, Dimarchi R D, Tschop M H, Schurmann A. GLP-1-oestrogen attenuates hyperphagia and protects from beta cell failure in diabetes-prone New Zealand obese (NZO) mice. Diabetologia 2015; 58(3): 604-614

Sebelefsky C, Karner D, Voitl J, Klein F, Voitl P, Böck A. Internet health seeking behaviour of parents attending a general paediatric outpatient clinic: A cross-sectional observational study. J. Telemed. Telecare 2015; 21(7): 400-407

Segrè A V, Wei N, Consortium D, Klopp N, Illig T, Müller-Nurasyid M, Peters A. Pathways targeted by antidiabetes drugs are enriched for multiple genes associated with type 2 diabetes risk. Diabetes 2015; 64(4): 1470-1483

Sekula P, Goek O N, Quaye L, Barrios C, Levey A S, Römisch-Margl W, Menni C, Yet I, Gieger C, Inker L A, Adamski J, Gronwald W, Illig T, Dettmer K, Krumsiek J, Oefner P J, Valdes A M, Meisinger C, Coresh J, Spector T D, Mohney R P, Suhre K, Kastenmüller G, Köttgen A. A metabolome-wide association study of kidney function and disease in the general population. J. Am. Soc. Nephrol. 2015

Seyfarth K, Poschmann G, Rozman J, Fromme T, Rink N, Hofmann A, Wurst W, Stühler K, Klingenspor M. The development of diet-induced obesity and associated metabolic impairments in Dj-1 deficient mice. J. Nutr. Biochem. 2015; 26(1): 75-81

Sezgin E, Gutmann T, Buhl T, Dirkx R, Grzybek M, Coskun U, Solimena M, Simons K, Levental I, Schwille P. Adaptive lipid packing and bioactivity in membrane domains. PLoS One 2015; 10(4): e0123930

Shariful Islam S M, Lechner A, Ferrari U, Seissler J, Holle R, Niessen L W. Mobile phone use and willingness to pay for SMS for diabetes in Bangladesh. J. Public Health 2015

Shariful Islam S M, Niessen L W, Ferrari U, Ali L, Seissler J, Lechner A. Effects of Mobile Phone SMS to Improve Glycemic Control Among Patients With Type 2 Diabetes in Bangladesh: A Prospective, Parallel-Group, Randomized Controlled Trial. Diabetes Care 2015; 38(8): e112-113

Shungin D, Winkler T W, Croteau-Chonka D C, Ferreira T, Locke A E, Magi R, Strawbridge R J, Pers T H, Fischer K, Justice A E, Workalemahu T, Wu J M, Buchkovich M L, Heard-Costa N L, Roman T S, Drong A W, Song C, Gustafsson S, Day F R, Esko T, Fall T, Kutalik Z, Luan J, Randall J C, Scherag A, Vedantam S, Wood A R, Chen J, Fehrmann R, Karjalainen J, Kahali B, Liu C T, Schmidt E M, Absher D, Amin N, Anderson D, Beekman M, Bragg-Gresham J L, Buyske S, Demirkan A, Ehret G B, Feitosa M F, Goel A, Jackson A U, Johnson T, Kleber M E, Kristiansson K, Mangino M, Mateo Leach I, Medina-Gomez C, Palmer C D, Pasko D, Pechlivanis S, Peters M J, Prokopenko I, Stancakova A, Ju Sung Y, Tanaka T, Teumer A, Van Vliet-Ostaptchouk J V, Yengo L, Zhang W, Albrecht E, Arnlov J, Arscott G M, Bandinelli S, Barrett A, Bellis C, Bennett A J, Berne C, Bluher M, Bohringer S, Bonnet F, Bottcher Y, Bruinenberg M, Carba D B, Caspersen I H, Clarke R, Daw E W, Deelen J, Deelman E, Delgado G, Doney A S, Eklund N, Erdos M R, Estrada K, Eury E, Friedrich N, Garcia M E, Giedraitis V, Gigante B, Go A S, Golay A, Grallert H, Grammer T B, Grassler J, Grewal J, Groves C J, Haller T, Hallmans G, Hartman C A, Hassinen M, Hayward C, Heikkila K, Herzig K H, Helmer Q,

Hillege H L, Holmen O, Hunt S C, Isaacs A, Ittermann T, James A L, Johansson I, Juliusdottir T, Kalafati I P, Kinnunen L, Koenig W, Kooner I K, Kratzer W, Lamina C, Leander K, Lee N R, Lichtner P, Lind L, Lindstrom J, Lobbens S, Lorentzon M, Mach F, Magnusson P K, Mahajan A, Mcardle W L, Menni C, Merger S, Mihailov E, Milani L, Mills R, Moayyeri A, Monda K L, Mooijaart S P, Muhleisen T W, Mulas A, Muller G, Muller-Nurasyid M, Nagaraja R, Nalls M A, Narisu N, Glorioso N, Nolte I M, Olden M, Rayner N W, Renstrom F, Ried J S, Robertson N R, Rose L M, Sanna S, Scharnagl H, Scholtens S, Sennblad B, Seufferlein T, Sitlani C M, Vernon Smith A, Stirrups K, Stringham H M, Sundstrom J, Swertz M A, Swift A J, Syvanen A C, Tayo B O, Thorand B, Thorleifsson G, Tomaschitz A, Troffa C, Van Oort F V, Verweij N, Vonk J M, Waite L L, Wennauer R, Wilsgaard T, Wojczynski M K, Wong A, Zhang Q, Hua Zhao J, Brennan E P, Choi M, Eriksson P, Folkersen L, Franco-Cereceda A, Gharavi A G, Hedman A K, Hivert M F, Huang J, Kanoni S, Karpe F, Keildson S, Kiryluk K, Liang L, Lifton R P, Ma B, Mcknight A J, Mcpherson R, Metspalu A, Min J L, Moffatt M F, Montgomery G W, Murabito J M, Nicholson G, Nyholt D R, Olsson C, Perry J R, Reinmaa E, Salem R M, Sandholm N, Schadt E E, Scott R A, Stolk L, Vallejo E E, Westra H J, Zondervan K T, Amouyel P, Arveiler D, Bakker S J, Beilby J, Bergman R N, Blangero J, Brown M J, Burnier M, Campbell H, Chakravarti A, Chines P S, Claudi-Boehm S, Collins F S, Crawford D C, Danesh J, De Faire U, De Geus E J, Dorr M, Erbel R, Eriksson J G, Farrall M, Ferrannini E, Ferrieres J, Forouhi N G, Forrester T, Franco O H, Gansevoort R T, Gieger C, Gudnason V, Haiman C A, Harris T B, Hattersley A T, Heliovaara M, Hicks A A, Hingorani A D, Hoffmann W, Hofman A, Homuth G, Humphries S E, Hypponen E, Illig T, Jarvelin M R, Johansen B, Jousilahti P, Jula A M, Kaprio J, Kee F, Keinanen-Kiukaanniemi S M, Kooner J S, Kooperberg C, Kovacs P, Kraja A T, Kumari M, Kuulasmaa K, Kuusisto J, Lakka T A, Langenberg C, Le Marchand L, Lehtimaki T, Lyssenko V, Mannisto S, Marette A, Matise T C, Mckenzie C A, Mcknight B, Musk A W, Mohlenkamp S, Morris A D, Nelis M, Ohlsson C, Oldehinkel A J, Ong K K, Palmer L J, Penninx B W, Peters A, Pramstaller P P, Raitakari O T, Rankinen T, Rao D C, Rice T K, Ridker P M, Ritchie M D, Rudan I, Salomaa V, Samani N J, Saramies J, Sarzynski M A, Schwarz P E, Shuldiner A R, Staessen J A, Steinthorsdottir V, Stolk R P, Strauch K, Tonjes A, Tremblay A, Tremoli E, Vohl M C, Volker U, Vollenweider P, Wilson J F, Witteman J C, Adair L S, Bochud M, Boehm B O, Bornstein S R, Bouchard C, Cauchi S, Caulfield M J, Chambers J C, Chasman D I, Cooper R S, Dedoussis G, Ferrucci L, Froguel P, Grabe H J, Hamsten A, Hui J, Hveem K, Jockel K H, Kivimaki M, Kuh D, Laakso M, Liu Y, Marz W, Munroe P B, Njolstad I, Oostra B A, Palmer C N, Pedersen N L, Perola M, Perusse L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo T E, Saleheen D, Sinisalo J, Slagboom P E, Snieder H, Spector T D, Thorsteinsdottir U, Stumvoll M, Tuomilehto J, Uitterlinden A G, Uusitupa M, Van Der Harst P, Veronesi G, Walker M, Wareham N J, Watkins H, Wichmann H E, Abecasis G R, Assimes T L, Berndt S I, Boehnke M, Borecki I B, Deloukas P, Franke L, Frayling T M, Groop L C, Hunter D J, Kaplan R C, O'connell J R, Qi L, Schlessinger D, Strachan D P, Stefansson K, Van Duijn C M, Willer C J, Visscher P M, Yang J, Hirschhorn J N, Zillikens M C, Mccarthy M I, Speliotes E K, North K E, Fox C S, Barroso I, Franks P W, Ingelsson E, Heid I M, Loos R J, Cupples L A, Morris A P, Lindgren C M, Mohlke K L. New genetic loci link adipose and insulin biology to body fat distribution. Nature 2015; 518(7538): 187-196

Silvoni S, Konicar L, Prats-Sedano M A, Garcia-Cossio E, Genna C, Volpato C, Cavinato M, Paggiaro A, Veser S, De Massari D, Birbaumer N. Tactile event-related potentials in amyotrophic lateral sclerosis (ALS): Implications for brain-computer interface. Clin Neurophysiol 2015

Simon M C, Strassburger K, Nowotny B, Kolb H, Nowotny P, Burkart V, Zivehe F, Hwang J H, Stehle P, Pacini G, Hartmann B, Holst J J, Mackenzie C, Bindels L B, Martinez I, Walter J, Henrich B, Schloot N C, Roden M. Intake of Lactobacillus reuteri Improves Incretin and Insulin Secretion in Glucose-Tolerant Humans: A Proof of Concept. Diabetes Care 2015; 38(10): 1827-1834

Singmann P, Shem-Tov D, Wahl S, Grallert H, Fiorito G, Shin S Y, Schramm K, Wolf P, Kunze S, Baran Y, Guarrera S, Vineis P, Krogh V, Panico S, Tumino R, Kretschmer A, Gieger C, Peters A, Prokisch H, Relton C L, Matullo G, Illig T, Waldenberger M, Halperin E. Characterization of whole-genome autosomal differences of DNA methylation between men and women. Epigenetics Chromatin 2015; 8: 43

Spetter M S, Hallschmid M. Intranasal Neuropeptide Administration To Target the Human Brain in Health and Disease. Mol Pharm 2015; 12(8): 2767-2780

Spiering R, Margry B, Keijzer C, Petzold C, Hoek A, Wagenaar-Hilbers J, Van Der Zee R, Van Eden W, Kretschmer K, Broere F. DEC205+ Dendritic Cell-Targeted Tolerogenic Vaccination Promotes Immune Tolerance in Experimental Autoimmune Arthritis. J Immunol 2015; 194(10): 4804-4813

Stangl S, Kollerits B, Lamina C, Meisinger C, Huth C, Stockl A, Dahnhardt D, Boger C A, Kramer B K, Peters A, Kronenberg F. Association between apolipoprotein A-IV concentrations and chronic kidney disease in two large population-based cohorts: results from the KORA studies. J Intern Med 2015; 278(4): 410-423

Steculorum S M, Paeger L, Bremser S, Evers N, Hinze Y, Idzko M, Kloppenburg P, Bruning J C. Hypothalamic UDP Increases in Obesity and Promotes Feeding via P2Y6-Dependent Activation of AgRP Neurons. Cell 2015; 162(6): 1404-1417

Stefan N, Staiger H, Wagner R, Machann J, Schick F, Haring H U, Fritsche A. A high-risk phenotype associates with reduced improvement in glycaemia during a lifestyle intervention in prediabetes. Diabetologia 2015

Steiner S, Daniel C, Fischer A, Atreya I, Hirschmann S, Waldner M, Neumann H, Neurath M F, Atreya R, Weigmann B. Cyclosporine A regulates pro-inflammatory cytokine production in ulcerative colitis. Arch. Immunol. Ther. Exp. 2015; 63(1): 53-63

Divanovic S. Thermoneutral housing is a critical factor for immune function and diet-induced obesity in C57BL/6 nude mice. Int. J. Obes. 2015; 39(5): 791-797

Stemmer K, Zani F, Habegger K M, Neff C, Kotzbeck P, Bauer M, Yalamanchilli S, Azad A, Lehti M, Martins P J, Müller T D, Pfluger P T, Seeley R J. FGF21 is not required for glucose homeostasis, ketosis or tumour suppression associated with ketogenic diets in mice. Diabetologia 2015; 58(10): 2414-2423

Stoy C, Sundaram A, Rios Garcia M, Wang X, Seibert O, Zota A, Wendler S, Männle D, Hinz U, Sticht C, Muciek M, Gretz N, Rose A J, Greiner V, Hofmann T G, Bauer A, Hoheisel J, Berriel Diaz M, Gaida M M, Werner J, Schafmeier T, Strobel O, Herzig S. Transcriptional co-factor Transducin Beta-Like (TBL) 1 acts as a checkpoint in pancreatic cancer malignancy. EMBO Mol. Med. 2015; 7(8): 1048-1062

Strasser B, Arvandi M, Thorand B, Matteucci Gothe R, Siebert U, Volaklis K A, Ladwig K H, Grill E, Horsch A, Laxy M, Peters A, Meisinger C. SUN-PP229: The role of nutritional status in the association between grip strength and risk of falling in the old age: Results from the Kora-Age study. Clin. Nutr. 2015; 34: S108

Sun X, Bakhti M, Fitzner D, Schnaars M, Kruse N, Coskun U, Kremser C, Willecke K, Kappos L, Kuhle J, Simons M. Quantified CSF antibody reactivity against myelin in multiple sclerosis. Ann Clin Transl Neurol 2015; 2(12): 1116-1123

Surakka I, Horikoshi M, Magi R, Sarin A P, Mahajan A, Lagou V, Marullo L, Ferreira T, Miraglio B, Timonen S, Kettunen J, Pirinen M, Karjalainen J, Thorleifsson G, Hagg S, Hottenga J J, Isaacs A, Ladenvall C, Beekman M, Esko T, Ried J S, Nelson C P, Willenborg C, Gustafsson S, Westra H J, Blades M, De Craen A J, De Geus E J, Deelen J, Grallert H, Hamsten A, Havulinna A S, Hengstenberg C, Houwing-Duistermaat J J, Hypponen E, Karssen L C, Lehtimaki T, Lyssenko V, Magnusson P K, Mihailov E, Muller-Nurasyid M, Mpindi J P, Pedersen N L, Penninx B W, Perola M, Pers T H, Peters A, Rung J, Smit J H, Steinthorsdottir V, Tobin M D, Tsernikova N, Van Leeuwen E M, Viikari J S, Willems S M, Willemsen G, Schunkert H, Erdmann J, Samani N J, Kaprio J, Lind L, Gieger C, Metspalu A, Slagboom P E, Groop L, Van Duijn C M, Eriksson J G, Jula A, Salomaa V, Boomsma D I, Power C, Raitakari O T, Ingelsson E, Jarvelin M R, Thorsteinsdottir U, Franke L, Ikonen E, Kallioniemi O, Pietiainen V, Lindgren C M, Stefansson K, Palotie A, Mccarthy M I, Morris A P, Prokopenko I, Ripatti S, Consortium E. The impact of low-frequency and rare variants on lipid levels. Nat Genet 2015; 47(6): 589-597

Swerdlow D I, Preiss D, Kuchenbaecker K B, Holmes M V, Engmann J E L, Shah T, Sofat R, Stender S, Johnson P C D, Scott R A, Leusink M, Verweij N, Sharp S J, Guo Y, Giambartolomei C, Chung C, Peasey A, Amuzu A, Li K, Palmen J, Howard P, Cooper J A, Drenos F, Li Y R, Lowe G, Gallacher J, Stewart M C W, Tzoulaki I, Buxbaum S G, Daphne L V D A, Forouhi N G, Onland-Moret N C, Van Der Schouw Y T, Schnabel R B, Hubácek J A, Kubínová R, Baceviciene M, Tamosiunas A, Pajak A, Topor-Madry R, Stepaniak U, Malyutina S A,

Baldassarre D, Sennblad B, Tremoli E, De Faire U, Veglia F, Ford I, Jukema J W, Westendorp R G J, De Borst G J, De Jong P A, Algra A, Spiering W, Maitland-Van Der Zee A H, Klungel O H, De Boer A, Doevendans P A, Eaton C B, Robinson J G, Duggan D, Kjekshus J, Downs J R, Gotto A M, Keech A C, Marchioli R, Tognoni G, Sever P S, Poulter N R, Waters D D, Pedersen T R, Amarenco P, Nakamura H, Mcmurray J J V, Lewsey J D, Chasman D I, Ridker P M, Maggioni A P, Tavazzi L, Ray K K, Seshasai S R K, Manson J E, Price J F, Whincup P H, Morris R W, Lawlor D A, Smith G D, Ben-Shlomo Y, Schreiner P J, Fornage M, Siscovick D S, Cushman M, Kumari M, Wareham N J, Verschuren W M M, Redline S, Patel S R, Whittaker J C, Hamsten A, Delaney J A, Dale C E, Gaunt T R, Wong A, Kuh D, Hardy R, Kathiresan S, Castillo B A, Van Der Harst P, Brunner E J, Tybjaerg-Hansen A, Marmot M G, Krauss R M, Tsai M, Coresh J, Hoogeveen R C, Psaty B M, Lange L A, Hakonarson H, Dudbridge F, Humphries S E, Talmud P J, Kivimaeki M, Timpson N J, Langenberg C, Asselbergs F W, Voevoda M, Bobak M, Pikhart H, Wilson J G, Reiner A P, Keating B J, Hingorani A D, Sattar N, Consortium D, Gieger C, Klopp N, Illig T, Müller-Nurasyid M, Peters A, Consortium M, Thorand B, Wichmann H E, Interact C. HMG-coenzyme A reductase inhibition, type 2 diabetes, and bodyweight: Evidence from genetic analysis and randomised trials. Lancet 2015; 385(9965): 351-361

Szendroedi J, Roden M. Perilipin 5: from fatty liver to hepatic lipodystrophy? Hepatology 2015; 61(3): 751-753

Teichert T, Hellwig A, Pessler A, Hellwig M, Vossoughi M, Sugiri D, Vierkotter A, Schulte T, Freund J, Roden M, Hoffmann B, Schikowski T, Luckhaus C, Kramer U, Henle T, Herder C. Association between Advanced Glycation End Products and Impaired Fasting Glucose: Results from the SALIA Study. PLoS One 2015; 10(5): e0128293

Then C, Kowall B, Lechner A, Meisinger C, Heier M, Koenig W, Peters A, Rathmann W, Seissler J. Plasma copeptin is associated with type 2 diabetes in men but not in women in the population-based KORA F4 study. Acta Diabetol. 2015; 52(1): 103-112

Thiele I, Linseisen J, Meisinger C, Schwab S, Huth C, Peters A, Perz S, Meitinger T, Kronenberg F, Lamina C, Thiery J, Koenig W, Rathmann W, Kaab S, Then C, Seissler J, Thorand B. Associations between calcium and vitamin D supplement use as well as their serum concentrations and subclinical cardiovascular disease phenotypes. Atherosclerosis 2015; 241(2): 743-751

Tischner C, Hofer A, Wulff V, Stepek J, Dumitru I, Becker L, Haack T, Kremer L, Datta A N, Sperl W, Floss T, Wurst W, Chrzanowska-Lightowlers Z, De Angelis M H, Klopstock T, Prokisch H, Wenz T. MTO1 mediates tissue specificity of OXPHOS defects via tRNA modification and translation optimization, which can be bypassed by dietary intervention. Hum Mol Genet 2015; 24(8): 2247-2266

Tittel J, Welz T, Czogalla A, Dietrich S, Samol-Wolf A, Schulte M, Schwille P, Weidemann T, Kerkhoff E. Membrane targeting of the Spir.formin actin nucleator complex requires a sequential handshake of polar interactions. J Biol Chem 2015; 290(10): 6428-6444

Tokarz J, Moller G, Hrabe De Angelis M, Adamski J. Steroids in teleost fishes: A functional point of view. Steroids 2015

Tönjes A, Scholz M, Breitfeld J, Marzi C, Grallert H, Gross A, Ladenvall C, Schleinitz D, Krause K P, Kirsten H, Laurila E, Kriebel J, Thorand B, Rathmann W, Groop L C, Prokopenko I, Isomaa B, Beutner F, Kratzsch J K, Thiery J J, Faßhauer M, Klöting N, Gieger C, Blüher M, Stumvoll M W, Kovacs P. Genome wide meta-analysis highlights the role of genetic variation in RARRES2 in the regulation of circulating serum chemerin. PLoS Genet. 2015; 10(12)

Torkko J M, Primo M E, Dirkx R, Friedrich A, Viehrig A, Vergari E, Borgonovo B, Sonmez A, Wegbrod C, Lachnit M, Munster C, Sica M P, Ermacora M R, Solimena M. Stability of proICA512/IA-2 and its targeting to insulin secretory granules require beta4-sheet-mediated dimerization of its ectodomain in the endoplasmic reticulum. Mol Cell Biol 2015; 35(6): 914-927

Tsepilov Y A, Shin S Y, Soranzo N, Spector T D, Prehn C, Adamski J, Kastenmüller G, Wang-Sattler R, Strauch K, Gieger C, Aulchenko Y S, Ried J S. Non-additive effects of genes in human metabolomics. Genetics 2015; 200(3): 707-718

Tsuprykov O, Chaykovska L, Kretschmer D, Stasch J P, Pfab T, Krause-Relle K, Reichetzeder C, Kalk P, Adamski J, Hocher B. Endothelin-1 overexpression improves renal function in eNOS knockout mice. Cell. Physiol. Biochem. 2015; 37(4): 1474-1490

Um S H, Sticker-Jantscheff M, Chau G C, Vintersten K, Mueller M, Gangloff Y G, Adams R H, Spetz J F, Elghazi L, Pfluger P T, Pende M, Bernal-Mizrachi E, Tauler A, Tschöp M H, Thomas G, Kozma S C. S6K1 controls pancreatic β cell size independently of intrauterine growth restriction. J. Clin. Invest. 2015; 125(7): 2736-2747

Van Den Berg R, Mook-Kanamori D O, Donga E, Van Dijk M, Van Dijk J G, Lammers G J, Van Kralingen K W, Prehn C, Adamski J, Romijn J A, Van Dijk K W, Corssmit E P M, Rensen C N, Biermasz N R. A single night of sleep curtailment increases plasma acylcarnitines: Novel insights in the relationship between sleep an insulin resistance. Arch. Biochem. Biophys. 2015

Van Der Valk R J, Kreiner-Møller E, Kooijman M N, Guxens M, Stergiakouli E, Saaf A, Bradfield J P, Geller F, Hayes M G, Cousminer D L, Körner A, Thiering E, Curtin J A, Myhre R, Huikari V, Joro R, Kerkhof M, Warrington N M, Pitkänen N, Ntalla I, Horikoshi M, Veijola R, Freathy R M, Teo Y Y, Barton S J, Evans D M, Kemp J P, St Pourcain B, Ring S M, Smith G D, Bergström A, Kull I, Hakonarson H, Mentch F D, Bisgaard H, Chawes B, Stokholm J, Waage J, Eriksen P, Sevelsted A, Melbye M, Van Duijn C M, Medina-Gomez C, Hofman A, De Jongste J C, Taal H R, Uitterlinden A G, Armstrong L L, Eriksson J, Palotie A, Bustamante M, Estivill X, Gonzalez J R, Llop S, Kiess W, Mahajan A, Flexeder C, Tiesler C M, Murray C S, Simpson A, Magnus P, Sengpiel V, Hartikainen A L, Keinanen-Kiukaanniemi S, Lewin A, Da Silva Couto Alves A, Blakemore A I, Buxton J L, Kaakinen M, Rodriguez A, Sebert S, Vaarasmaki M, Lakka T, Lindi V, Gehring U, Postma D S, Ang W, Newnham J P, Lyytikäinen L P, Pahkala K, Raitakari O T, Panoutsopoulou K, Zeggini E, Boomsma D I, Groen-Blokhuis M, Ilonen J, Franke L, Hirschhorn J N, Pers T H, Liang L, Huang J, Hocher B, Knip M, Saw S M, Holloway J W, Melén E, Grant S F, Feenstra B, Lowe W L, Widen E, Sergeyev E, Grallert H, Custovic A, Jacobsson B, Jarvelin M R, Atalay M, Koppelman G H, Pennell C E, Niinikoski H, Dedoussis G V, Mccarthy M I, Frayling T M, Sunyer J, Timpson N J, Rivadeneira F, Bønnelykke K, Jaddoe V W. A novel common variant in DCST2 is associated with length in early life and height in adulthood. Hum. Mol. Genet. 2015; 24(4): 1155-1168

Vettorazzi S, Bode C, Dejager L, Frappart L, Shelest E, Klassen C, Tasdogan A, Reichardt H M, Libert C, Schneider M, Weih F, Henriette Uhlenhaut N, David J P, Graler M, Kleiman A, Tuckermann J P. Glucocorticoids limit acute lung inflammation in concert with inflammatory stimuli by induction of SphK1. Nat Commun 2015; 6: 7796

Vogt S, Zierer A, Laxy M, Koenig W, Linkohr B, Linseisen J, Peters A, Thorand B. Association of serum vitamin D with change in weight and total body fat in a German cohort of older adults. Eur. J. Clin. Nutr. 2015

Voigt A, Katterle Y, Kahle M, Kluge R, Schurmann A, Joost H G, Klaus S. Skeletal muscle mitochondrial uncoupling prevents diabetes but not obesity in NZO mice, a model for polygenic diabesity. Genes Nutr 2015; 10(6): 57

Wahl S, Vogt S, Stückler F, Krumsiek J, Bartel J, Kacprowski T, Schramm K, Carstensen M, Rathmann W, Roden M, Jourdan C, Kangas A J, Soininen P, Ala-Korpela M, Nöthlings U, Boeing H, Theis F J, Meisinger C, Waldenberger M, Suhre K, Homuth G, Gieger C, Kastenmüller G, Illig T, Linseisen J, Peters A, Prokisch H, Herder C, Thorand B, Grallert H. Multi-omic signature of body weight change: Results from a population-based cohort study. BMC Med. 2015; 13

Weber K S, Nowotny B, Strassburger K, Pacini G, Mussig K, Szendroedi J, Herder C, Roden M. The Role of Markers of Low-Grade Inflammation for the Early Time Course of Glycemic Control, Glucose Disappearance

Rate, and beta-Cell Function in Recently Diagnosed Type 1 and Type 2 Diabetes. Diabetes Care 2015; 38(9): 1758-1767

Weber S, Salabei J K, Moller G, Kremmer E, Bhatnagar A, Adamski J, Barski O A. Aldo-keto Reductase 1B15 (AKR1B15): a mitochondrial human aldo-keto reductase with activity toward steroids and 3-keto-acyl-CoA conjugates. J Biol Chem 2015; 290(10): 6531-6545

Wessel J, Chu A Y, Willems S M, Wang S, Yaghootkar H, Brody J A, Dauriz M, Hivert M F, Raghavan S, Lipovich L, Hidalgo B, Fox K, Huffman J E, An P, Lu Y, Rasmussen-Torvik L J, Grarup N, Ehm M G, Li L, Baldridge A S, Stancakova A, Abrol R, Besse C, Boland A, Bork-Jensen J, Fornage M, Freitag D F, Garcia M E, Guo X, Hara K, Isaacs A, Jakobsdottir J, Lange L A, Layton J C, Li M, Hua Zhao J, Meidtner K, Morrison A C, Nalls M A, Peters M J, Sabater-Lleal M, Schurmann C, Silveira A, Smith A V, Southam L, Stoiber M H, Strawbridge R J, Taylor K D, Varga T V, Allin K H, Amin N, Aponte J L, Aung T, Barbieri C, Bihlmeyer N A, Boehnke M, Bombieri C, Bowden D W, Burns S M, Chen Y, Chen Y D, Cheng C Y, Correa A, Czajkowski J, Dehghan A, Ehret G B, Eiriksdottir G, Escher S A, Farmaki A E, Franberg M, Gambaro G, Giulianini F, Goddard W A, 3rd, Goel A, Gottesman O, Grove M L, Gustafsson S, Hai Y, Hallmans G, Heo J, Hoffmann P, Ikram M K, Jensen R A, Jorgensen M E, Jorgensen T, Karaleftheri M, Khor C C, Kirkpatrick A, Kraja A T, Kuusisto J, Lange E M, Lee I T, Lee W J, Leong A, Liao J, Liu C, Liu Y, Lindgren C M, Linneberg A, Malerba G, Mamakou V, Marouli E, Maruthur N M, Matchan A, Mckean-Cowdin R, Mcleod O, Metcalf G A, Mohlke K L, Muzny D M, Ntalla I, Palmer N D, Pasko D, Peter A, Rayner N W, Renstrom F, Rice K, Sala C F, Sennblad B, Serafetinidis I, Smith J A, Soranzo N, Speliotes E K, Stahl E A, Stirrups K, Tentolouris N, Thanopoulou A, Torres M, Traglia M, Tsafantakis E, Javad S, Yanek L R, Zengini E, Becker D M, Bis J C, Brown J B, Cupples L A, Hansen T, Ingelsson E, Karter A J, Lorenzo C, Mathias R A, Norris J M, Peloso G M, Sheu W H, Toniolo D, Vaidya D, Varma R, Wagenknecht L E, Boeing H, Bottinger E P, Dedoussis G, Deloukas P, Ferrannini E, Franco O H, Franks P W, Gibbs R A, Gudnason V, Hamsten A, Harris T B, Hattersley A T, Hayward C, Hofman A, Jansson J H, Langenberg C, Launer L J, Levy D, Oostra B A, O'donnell C J, O'rahilly S, Padmanabhan S, Pankow J S, Polasek O, Province M A, Rich S S, Ridker P M, Rudan I, Schulze M B, Smith B H, Uitterlinden A G, Walker M, Watkins H, Wong T Y, Zeggini E, Consortium E P-I, Laakso M, Borecki I B, Chasman D I, Pedersen O, Psaty B M, Tai E S, Van Duijn C M, Wareham N J, Waterworth D M, Boerwinkle E, Kao W H, Florez J C, Loos R J, Wilson J G, Frayling T M, Siscovick D S, Dupuis J, Rotter J I, Meigs J B, Scott R A, Goodarzi M O. Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. Nat Commun 2015; 6: 5897

Westermann J, Lange T, Textor J, Born J. System Consolidation During Sleep - A Common Principle Underlying Psychological and Immunological Memory Formation. Trends Neurosci 2015; 38(10): 585-597

Westra H J, Arends D, Esko T, Peters M J, Schurmann C, Schramm K, Kettunen J, Yaghootkar H, Fairfax B P, Andiappan A K, Li Y, Fu J, Karjalainen J, Platteel M, Visschedijk M, Weersma R K, Kasela S, Milani L, Tserel L, Peterson P, Reinmaa E, Hofman A, Uitterlinden A G, Rivadeneira F, Homuth G, Petersmann A, Lorbeer R, Prokisch H, Meitinger T, Herder C, Roden M, Grallert H, Ripatti S, Perola M, Wood A R, Melzer D, Ferrucci L, Singleton A B, Hernandez D G, Knight J C, Melchiotti R, Lee B, Poidinger M, Zolezzi F, Larbi A, Wang De Y, Van Den Berg L H, Veldink J H, Rotzschke O, Makino S, Salomaa V, Strauch K, Volker U, Van Meurs J B, Metspalu A, Wijmenga C, Jansen R C, Franke L. Cell Specific eQTL Analysis without Sorting Cells. PLoS Genet 2015; 11(5): e1005223

Wiedemann T, Bielohuby M, Müller T D, Bidlingmaier M, Pellegata N S. Obesity in MENX rats is accompanied by high circulating levels of ghrelin and improved insulin sensitivity. Diabetes 2015

Willmann S, Müller N S, Engert S, Sterr M, Burtscher I, Raducanu A, Irmler M, Beckers J, Sass S, Theis F J, Lickert H. The global gene expression profile of the secondary transition during pancreatic development. Mech. Dev. 2015

Winkler T W, Justice A E, Graff M, Barata L, Feitosa M F, Chu S, Czajkowski J, Esko T, Fall T, Kilpelainen T O, Lu Y, Magi R, Mihailov E, Pers T H, Rueger S, Teumer A, Ehret G B, Ferreira T, Heard-Costa N L, Karjalainen J, Lagou V, Mahajan A, Neinast M D, Prokopenko I, Simino J, Teslovich T M, Jansen R, Westra H J, White C C,

Absher D, Ahluwalia T S, Ahmad S, Albrecht E, Alves A C, Bragg-Gresham J L, De Craen A J, Bis J C, Bonnefond A, Boucher G, Cadby G, Cheng Y C, Chiang C W, Delgado G, Demirkan A, Dueker N, Eklund N, Eiriksdottir G, Eriksson J, Feenstra B, Fischer K, Frau F, Galesloot T E, Geller F, Goel A, Gorski M, Grammer T B, Gustafsson S, Haitjema S, Hottenga J J, Huffman J E, Jackson A U, Jacobs K B, Johansson A, Kaakinen M, Kleber M E, Lahti J, Mateo Leach I, Lehne B, Liu Y, Lo K S, Lorentzon M, Luan J, Madden P A, Mangino M, Mcknight B, Medina-Gomez C, Monda K L, Montasser M E, Muller G, Muller-Nurasyid M, Nolte I M, Panoutsopoulou K, Pascoe L, Paternoster L, Rayner N W, Renstrom F, Rizzi F, Rose L M, Ryan K A, Salo P, Sanna S, Scharnagl H, Shi J, Smith A V, Southam L, Stancakova A, Steinthorsdottir V, Strawbridge R J, Sung Y J, Tachmazidou I, Tanaka T, Thorleifsson G, Trompet S, Pervjakova N, Tyrer J P, Vandenput L, Van Der Laan S W, Van Der Velde N, Van Setten J, Van Vliet-Ostaptchouk J V, Verweij N, Vlachopoulou E, Waite L L, Wang S R, Wang Z, Wild S H, Willenborg C, Wilson J F, Wong A, Yang J, Yengo L, Yerges-Armstrong L M, Yu L, Zhang W, Zhao J H, Andersson E A, Bakker S J, Baldassarre D, Banasik K, Barcella M, Barlassina C, Bellis C, Benaglio P, Blangero J, Bluher M, Bonnet F, Bonnycastle L L, Boyd H A, Bruinenberg M, Buchman A S, Campbell H, Chen Y D, Chines P S, Claudi-Boehm S, Cole J, Collins F S, De Geus E J, De Groot L C, Dimitriou M, Duan J, Enroth S, Eury E, Farmaki A E, Forouhi N G, Friedrich N, Gejman P V, Gigante B, Glorioso N, Go A S, Gottesman O, Grassler J, Grallert H, Grarup N, Gu Y M, Broer L, Ham A C, Hansen T, Harris T B, Hartman C A, Hassinen M, Hastie N, Hattersley A T, Heath A C, Henders A K, Hernandez D, Hillege H, Holmen O, Hovingh K G, Hui J, Husemoen L L, Hutri-Kahonen N, Hysi P G, Illig T, De Jager P L, Jalilzadeh S, Jorgensen T, Jukema J W, Juonala M, Kanoni S, Karaleftheri M, Khaw K T, Kinnunen L, Kittner S J, Koenig W, Kolcic I, Kovacs P, Krarup N T, Kratzer W, Kruger J, Kuh D, Kumari M, Kyriakou T, Langenberg C, Lannfelt L, Lanzani C, Lotay V, Launer L J, Leander K, Lindstrom J, Linneberg A, Liu Y P, Lobbens S, Luben R, Lyssenko V, Mannisto S, Magnusson P K, Mcardle W L, Menni C, Merger S, Milani L, Montgomery G W, Morris A P, Narisu N, Nelis M, Ong K K, Palotie A, Perusse L, Pichler I, Pilia M G, Pouta A, Rheinberger M, Ribel-Madsen R, Richards M, Rice K M, Rice T K, Rivolta C, Salomaa V, Sanders A R, Sarzynski M A, Scholtens S, Scott R A, Scott W R, Sebert S, Sengupta S, Sennblad B, Seufferlein T, Silveira A, Slagboom P E, Smit J H, Sparso T H, Stirrups K, Stolk R P, Stringham H M, Swertz M A, Swift A J, Syvanen A C, Tan S T, Thorand B, Tonjes A, Tremblay A, Tsafantakis E, Van Der Most P J, Volker U, Vohl M C, Vonk J M, Waldenberger M, Walker R W, Wennauer R, Widen E, Willemsen G, Wilsgaard T, Wright A F, Zillikens M C, Van Dijk S C, Van Schoor N M, Asselbergs F W, De Bakker P I, Beckmann J S, Beilby J, Bennett D A, Bergman R N, Bergmann S, Boger C A, Boehm B O, Boerwinkle E, Boomsma D I, Bornstein S R, Bottinger E P, Bouchard C, Chambers J C, Chanock S J, Chasman D I, Cucca F, Cusi D, Dedoussis G, Erdmann J, Eriksson J G, Evans D A, De Faire U, Farrall M, Ferrucci L, Ford I, Franke L, Franks P W, Froguel P, Gansevoort R T, Gieger C, Gronberg H, Gudnason V, Gyllensten U, Hall P, Hamsten A, Van Der Harst P, Hayward C, Heliovaara M, Hengstenberg C, Hicks A A, Hingorani A, Hofman A, Hu F, Huikuri H V, Hveem K, James A L, Jordan J M, Jula A, Kahonen M, Kajantie E, Kathiresan S, Kiemeney L A, Kivimaki M, Knekt P B, Koistinen H A, Kooner J S, Koskinen S, Kuusisto J, Maerz W, Martin N G, Laakso M, Lakka T A, Lehtimaki T, Lettre G, Levinson D F, Lind L, Lokki M L, Mantyselka P, Melbye M, Metspalu A, Mitchell B D, Moll F L, Murray J C, Musk A W, Nieminen M S, Njolstad I, Ohlsson C, Oldehinkel A J, Oostra B A, Palmer L J, Pankow J S, Pasterkamp G, Pedersen N L, Pedersen O, Penninx B W, Perola M, Peters A, Polasek O, Pramstaller P P, Psaty B M, Qi L, Quertermous T, Raitakari O T, Rankinen T, Rauramaa R, Ridker P M, Rioux J D, Rivadeneira F, Rotter J I, Rudan I, Den Ruijter H M, Saltevo J, Sattar N, Schunkert H, Schwarz P E, Shuldiner A R, Sinisalo J, Snieder H, Sorensen T I, Spector T D, Staessen J A, Stefania B, Thorsteinsdottir U, Stumvoll M, Tardif J C, Tremoli E, Tuomilehto J, Uitterlinden A G, Uusitupa M, Verbeek A L, Vermeulen S H, Viikari J S, Vitart V, Volzke H, Vollenweider P, Waeber G, Walker M, Wallaschofski H, Wareham N J, Watkins H, Zeggini E, Consortium C, Consortium D, Consortium G, Global B C, Consortium I, Consortium M, Chakravarti A, Clegg D J, Cupples L A, Gordon-Larsen P, Jaquish C E, Rao D C, Abecasis G R, Assimes T L, Barroso I, Berndt S I, Boehnke M, Deloukas P, Fox C S, Groop L C, Hunter D J, Ingelsson E, Kaplan R C, Mccarthy M I, Mohlke K L, O'connell J R, Schlessinger D, Strachan D P, Stefansson K, Van Duijn C M, Hirschhorn J N, Lindgren C M, Heid I M, North K E, Borecki I B, Kutalik Z, Loos R J. The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genet 2015; 11(10): e1005378

Wittenbecher C, Di Giuseppe R, Biemann R, Menzel J, Arregui M, Hoffmann J, Aleksandrova K, Boeing H, Isermann B, Schulze M B, Weikert C. Reproducibility of Retinol Binding Protein 4 and Omentin-1 Measurements over a Four Months Period: A Reliability Study in a Cohort of 207 Apparently Healthy Participants. PLoS One 2015; 10(9): e0138480

Wittenbecher C, Muhlenbruch K, Kroger J, Jacobs S, Kuxhaus O, Floegel A, Fritsche A, Pischon T, Prehn C, Adamski J, Joost H G, Boeing H, Schulze M B. Amino acids, lipid metabolites, and ferritin as potential mediators linking red meat consumption to type 2 diabetes. Am J Clin Nutr 2015; 101(6): 1241-1250

Wolf S, Brolz E, Keune P M, Wesa B, Hautzinger M, Birbaumer N, Strehl U. Motor skill failure or flow-experience? Functional brain asymmetry and brain connectivity in elite and amateur table tennis players. Biol Psychol 2015; 105: 95-105

Würtz P, Havulinna A S, Soininen P, Tynkkynen T, Prieto-Merino D, Tillin T, Ghorbani A, Artati A, Wang Q, Tiainen M, Kangas A J, Kettunen J, Kaikkonen J, Mikkilä V, Jula A, Kähönen M, Lehtimäki T, Lawlor D A, Gaunt T R, Hughes A D, Sattar N, Illig T, Adamski J, Wang T J, Perola M, Ripatti S, Vasan R S, Raitakari O T, Gerszten R E, Casas J P, Chaturvedi N, Ala-Korpela M, Salomaa V. Metabolite profiling and cardiovascular event risk: A prospective study of three population-based cohorts. Circulation 2015; 131(9): 774-785

Xu T, Brandmaier S, Messias A, Herder C, Draisma H H, Demirkan A, Yu Z, Ried J S, Haller T, Heier M, Campillos M, Fobo G, Stark R G, Holzapfel C, Adam J, Chi S, Rotter M, Panni T, Quante A S, He Y, Prehn C, Römisch-Margl W, Kastenmüller G, Willemsen G, Pool R, Kasa K, Van Dijk K W, Hankemeier T, Meisinger C, Thorand B, Ruepp A, Hrabě De Angelis M, Li Y, Wichmann H E, Stratmann B, Strauch K, Metspalu A, Gieger C, Suhre K, Adamski J, Illig T, Rathmann W, Roden M, Peters A, Van Duijn C M, Boomsma D I, Meitinger T, Wang-Sattler R. Effects of metformin on metabolite profiles and LDL cholesterol in patients with type 2 diabetes. Diabetes Care 2015; 38(10): 1858-1867

Yousri N A, Kastenmuller G, Alhaq W G, Holle R, Kaab S, Mohney R P, Gieger C, Peters A, Adamski J, Suhre K, Arayssi T. Diagnostic and Prognostic Metabolites identified for Joint Symptoms in the KORA population. J Proteome Res 2015

Zaremba-Czogalla M, Stumpp C, Bonifacio E, Paul R. Comparison of the purification of biologically active IL-7 cytokine expressed in Escherichia coli and Pichia pastoris. Protein Expr Purif 2015; 110: 65-71

Zeller T, Haase T, Muller C, Riess H, Lau D, Zeller S, Krause J, Baumert J, Pless O, Dupuis J, Wild P S, Eleftheriadis M, Waldenberger M, Zeilinger S, Ziegler A, Peters A, Tiret L, Proust C, Marzi C, Munzel T, Strauch K, Prokisch H, Lackner K J, Herder C, Thorand B, Benjamin E J, Blankenberg S, Koenig W, Schnabel R B. Molecular Characterization of the NLRC4 Expression in Relation to Interleukin-18 Levels. Circ Cardiovasc Genet 2015

Ziegler D, Strom A, Bruggemann J, Ziegler I, Ringel B, Puttgen S, Roden M. Overexpression of cutaneous mitochondrial superoxide dismutase in recent-onset type 2 diabetes. Diabetologia 2015; 58(7): 1621-1625

Ziegler D, Strom A, Lobmann R, Reiners K, Rett K, Schnell O. High prevalence of diagnosed and undiagnosed polyneuropathy in subjects with and without diabetes participating in a nationwide educational initiative (PROTECT study). J Diabetes Complications 2015; 29(8): 998-1002

Ziegler D, Strom A, Nowotny B, Zahiragic L, Nowotny P J, Carstensen-Kirberg M, Herder C, Roden M. Effect of Low-Energy Diets Differing in Fiber, Red Meat, and Coffee Intake on Cardiac Autonomic Function in Obese Individuals With Type 2 Diabetes. Diabetes Care 2015; 38(9): 1750-1757

Ziegler D, Strom A, Strassburger K, Nowotny B, Zahiragic L, Nowotny P J, Carstensen-Kirberg M, Herder C, Szendroedi J, Roden M. Differential Patterns and Determinants of Cardiac Autonomic Nerve Dysfunction during Endotoxemia and Oral Fat Load in Humans. PLoS One 2015; 10(4): e0124242

Ziegler D, Voss A, Rathmann W, Strom A, Perz S, Roden M, Peters A, Meisinger C, Group K S. Increased prevalence of cardiac autonomic dysfunction at different degrees of glucose intolerance in the general population: the KORA S4 survey. Diabetologia 2015; 58(5): 1118-1128