

## Dr. Diana Rubin

### Publikationen

#### 1. Originalarbeiten

Lindner I, Helwig U, **Rubin D**, Li Y, Fisher E, Boeing H, Mohlig M, Spranger J, Pfeiffer A, Hampe J, Schreiber S, Doring F, Schrezenmeir J (2005). Putative association between a new polymorphism in exon 3 (Arg109Cys) of the pancreatic colipase gene and type 2 diabetes mellitus in two independent Caucasian study populations. Mol Nutr Food Res 49:972-976.

**Rubin D**, Helwig U, Pfeuffer M, Schreiber S, Boeing H, Fisher E, Pfeiffer A, Freitag-Wolf S, Foelsch UR, Doering F, Schrezenmeir J (2006). A common functional exon polymorphism in the microsomal triglyceride transfer protein gene is associated with type 2 diabetes, impaired glucose metabolism and insulin levels. J Hum Genet 51:567-74.

Lindner I, **Rubin D**, Helwig U, Nitz I, Hampe J, Schreiber S, Schrezenmeir J, Doring F (2006). The L513S polymorphism in medium-chain acyl-CoA synthetase 2 (MACS2) is associated with risk factors of the metabolic syndrome in a Caucasian study population. Mol Nutr Food Res 50:270-274.

**Rubin D**, Helwig U, Nothnagel M, Lemke N, Schreiber S, Döring F, Fölsch UR and Schrezenmeir J (2007). Postprandial plasma adiponectin decreases after glucose and high fat meal and is independently associated with postprandial triacylglycerols but not with – 11388 promoter polymorphism. Br J Nutr 99:76-82.

**Rubin D**, Schneider-Muntau A, Klapper M, Nitz I, Helwig U, Fölsch UR, Schrezenmeir J, Döring F (2007). Functional analysis of promoter variants in the Microsomal Triglyceride Transfer Protein (MTTP) gene. Hum Mutat 29:123-129.

**Rubin D**, Helwig U, Kiosz J, Bitter W, Schreiber S, Döring F, Fölsch UR, Schrezenmeir J (2007). The effect of retinol on postprandial parameters in men with different FABP2 haplotypes. Horm Metab Res 39:237-243.

Helwig U, **Rubin D**, Kiosz J, Schreiber S, Fölsch UR, Nothnagel M, Döring F, Schrezenmeir J (2007). The minor allele of the PPAR $\gamma$ 2 Pro12Ala polymorphism is associated with lower postprandial triglyceride and insulin levels in non-obese healthy men. Br J Nutr 97:847-854.

Helwig U, **Rubin D**, Klapper M, Li Y, Nothnagel M, Fölsch UR, Döring F, Schreiber S, Schrezenmeir J (2007). The association of FABP2 A54T polymorphism with postprandial lipemia depends on promoter variability. Metabolism 56:723-731.

Nitz I, Fisher E, Grallert H, Li Y, Gieger C, **Rubin D**, Boeing H, Spranger J, Lindner I, Schreiber S, Rathmann W, Gohlke H, Doring A, Wichmann HE, Schrezenmeir J, Doring F, Illig T (2007). Association of Prostaglandin E Synthase 2 (PTGES2) Arg298His Polymorphism with Type 2 Diabetes in two German Study Populations. J Clin Endocrinol Metab 92:3183-3188.

Hitze B, Bosy-Westphal A, **Rubin D**, Helwig U, Schrezenmeir J, Müller MJ (2007). Charakterisierung und metabolisches Risiko der postprandialen Triglyzeridantwort bei Männern. Ak-tuel Ernaehr Med 32:13-20.

Fisher E, Nitz I, Lindner I, **Rubin D**, Boeing H, Möhlig M, Hampe J, Schreiber S, Schrezenmeir J, Döring F (2007). Candidate gene association study of type 2 diabetes in a nested case-control study of the EPIC-Potsdam cohort – Role of fat assimilation. *Mol Nutr Food Res* 51:185-191.

Lindner I, Helwig U, **Rubin D**, Fischer A, Marten B, Schreiber S, Döring F, Schrezenmeir J (2007). Prostaglandin E synthase 2 (PTGES2) Arg298His polymorphism and parameters of the metabolic syndrome. *Mol Nutr Food Res* 51:1447-1451.

**Rubin D**, Claas S, Pfeuffer M, Nothnagel M, Foelsch UR, Schrezenmeir J (2008). s-ICAM-1 and s-VCAM-1 in healthy men are strongly associated with traits of the metabolic syndrome, becoming evident in the postprandial response to a lipid-rich meal. *Lipids in Health and Disease*, 7:32.

Linsel-Nitschke P, Götz A, Erdmann J, Braenne I, Braund P, Hengstenberg C, Stark K, Fischer M, Schreiber S, El Mokhtari NE, Schaefer A, Schrezenmeir J, **Rubin D**, Hinney A, Reinehr T, Roth C, Ortlepp J, Hanrath P, Hall AS, Mangino M, Lieb W, Lamina C, Heid IM, Doering A, Gieger C, Peters A, Meitinger T, Wichmann HE, König IR, Ziegler A, Kronenberg F, Samani NJ, Schunkert H; Wellcome Trust Case Control Consortium (WTCCC); Cardiogenics Consortium. (2008). Reduction of LDL-cholesterol in the LDL-receptor gene decreases the risk of coronary artery disease - a Mendelian randomisation study. *PLoS ONE* 2008, 3:e2986.

Erdmann J, Grosshennig A, Braund PS, König IR, Hengstenberg C, Hall AS, Linsel-Nitschke P, Kathiresan S, Wright B, Trégouët DA, Cambien F, Bruse P, Aherrahrou Z, Wagner AK, Stark K, Schwartz SM, Salomaa V, Elosua R, Melander O, Voight BF, O'Donnell CJ, Peltonen L, Siscovick DS, Altshuler D, Merlini PA, Peyvandi F, Bernardinelli L, Ardissino D, Schillert A, Blankenberg S, Zeller T, Wild P, Schwarz DF, Tiret L, Perret C, Schreiber S, El Mokhtari NE, Schäfer A, März W, Renner W, Bugert P, Klüter H, Schrezenmeir J, **Rubin D**, Ball SG, Balmforth AJ, Wichmann HE, Meitinger T, Fischer M, Meisinger C, Baumert J, Peters A, Ouwehand WH; Italian Atherosclerosis, Thrombosis, and Vascular Biology Working Group; Myocardial Infarction Genetics Consortium; Wellcome Trust Case Control Consortium; Cardiogenics Consortium, Deloukas P, Thompson JR, Ziegler A, Samani NJ, Schunkert H. Novel susceptibility locus for coronary artery disease on chromosome 3q22.3. *Nat Genet*. 2009; 41:280-2.

Trégouët DA, König IR, Erdmann J, Munteanu A, Braund PS, Hall AS, Grosshennig A, Linsel-Nitschke P, Perret C, DeSuremain M, Meitinger T, Wright BJ, Preuss M, Balmforth AJ, Ball SG, Meisinger C, Germain C, Evans A, Arveiler D, Luc G, Ruidavets JB, Morrison C, van der Harst P, Schreiber S, Neureuther K, Schäfer A, Bugert P, El Mokhtari NE, Schrezenmeir J, Stark K, **Rubin D**, Wichmann HE, Hengstenberg C, Ouwehand W; Wellcome Trust Case Control Consortium; Cardiogenics Consortium, Ziegler A, Tiret L, Thompson JR, Cambien F, Schunkert H, Samani NJ. Genome-wide haplotype association study identifies the SLC22A3-LPAL2-LPA gene cluster as a risk locus for coronary artery disease. *Nat Genet*. 2009; 41:283-5.

Herrmann J, **Rubin D**, Hasler R, Helwig U, Pfeuffer M, Auinger A, Laue C, Winkler P, Bell D, Schreiber S, Schrezenmeir J. Isomer-specific effects of CLA on gene expression in human adipose tissue depending on PPARgamma2 P12A polymorphism. *Lipids Health Dis*. 2009; 8:35.

Seeger M, Bewig B, Günther R, Schafmayer C, Vollnberg B, **Rubin D**, Hoell C, Schreiber S, Fölsch UR, Hampe J. Terminal part of thoracic duct: high-resolution US imaging. Radiology. 2009; 252:897-904.

**Rubin D**, Helwig U, Nothnagel M, Fölsch U, Schreiber S, Schrezenmeir J (2010). Association of postprandial and fasting triglycerides with traits of the metabolic syndrome in the Metabolic Intervention Cohort Kiel (MICK). Eur J Endocrinol. 2010; 162:719-27.  
Auinger A, Helwig U, **Rubin D**, Herrmann J, Jahreis G, Pfeuffer M, de Vrese M, Foelsch UR, Schreiber S, Doering F, Schrezenmeir J. Human Intestinal FABP2 Expression is Associated with Dietary Fat Intake and FABP2 Polymorphisms. J Nutr. 2010;140:1411-7.

Teupser D, Baber R, Ceglarek U, Scholz M, Illig T, Gieger C, Holdt LM, Leichtler A, Greiser KH, Huster D, Linsel-Nitschke P, Schäfer A, Braund PS, Tiret L, Stark K, Raaz-Schrauder D, Fiedler GM, Wilfert W, Beutner F, Gielen S, Großhennig A, König IR, Lichtner P, Heid IM, Kluttig A, El Mokhtari NE, **Rubin D**, Ekici AB, Reis A, Garlichs C, Hall AS, Matthes G, Wittekind C, Hengstenberg C, Cambien F, Schreiber S, Werdan K, Meitinger T, Löffler M, Samani NJ, Erdmann J, Wichmann HE, Schunkert H, Thiery J. Genetic Regulation of Serum Phytosterol Levels and Risk of Coronary Artery Disease. Circ Cardiovasc Genet. 2010;3:331-9.

A. Auinger, L. Valenti, M. Pfeuffer, U. Helwig, J. Herrmann, A. Fracanzani, P. Dongiovanni, S. Fargion, J. Schrezenmeir, **D. Rubin**. A promoter polymorphism in the liver specific fatty acid transport protein 5 is associated with features of the metabolic syndrome and steatosis. Horm Metab Res 2010; 42: 854-859.

Erdmann J, Willenborg C, Nahrstaedt J, Preuss M, König IR, Baumert J, Linsel-Nitschke P, Gieger C, Tennstedt S, Belcredi P, Aherrahrou Z, Klopp N, Loley C, Stark K, Hengstenberg C, Bruse P, Freyer J, Wagner AK, Medack A, Lieb W, Großhennig A, Sager HB, Reinhardt A, Schäfer A, Schreiber S, El Mokhtari NE, Raaz-Schrauder D, Illig T, Garlichs CD, Ekici AB, Reis A, Schrezenmeir J, **Rubin D**, Ziegler A, Wichmann HE, Doering A, Meisinger C, Meitinger T, Peters A, Schunkert H. Genome-wide association study identifies a new locus for coronary artery disease on chromosome 10p11.23. Eur Heart J. 2010; 32:158-68.

Schunkert H, König IR, Kathiresan S, Reilly MP, Assimes TL, Holm H, Preuss M, Stewart AF, Barbalic M, Gieger C, Absher D, Aherrahrou Z, Allayee H, Altshuler D, Anand SS, Andersen K, Anderson JL, Ardissino D, Ball SG, Balmforth AJ, Barnes TA, Becker DM, Becker LC, Berger K, Bis JC, Boekholdt SM, Boerwinkle E, Braund PS, Brown MJ, Burnett MS, Buyschaert I; Cardiogenics, Carlquist JF, Chen L, Cichon S, Codd V, Davies RW, Dedoussis G, Dehghan A, Demissie S, Devaney JM, Diemert P, Do R, Doering A, Eifert S, Mokhtari NE, Ellis SG, Elosua R, Engert JC, Epstein SE, de Faire U, Fischer M, Folsom AR, Freyer J, Gigante B, Girelli D, Gretarsdottir S, Gudnason V, Gulcher JR, Halperin E, Hammond N, Hazen SL, Hofman A, Horne BD, Illig T, Iribarren C, Jones GT, Jukema JW, Kaiser MA, Kaplan LM, Kastelein JJ, Khaw KT, Knowles JW, Kolovou G, Kong A, Laaksonen R, Lambrechts D, Leander K, Lettre G, Li M, Lieb W, Loley C, Lotery AJ, Mannucci PM, Maouche S, Martinelli N, McKeown PP, Meisinger C, Meitinger T, Melander O, Merlini PA, Mooser V, Morgan T, Mühlleisen TW, Muhlestein JB, Müntzel T, Musunuru K, Nahrstaedt J, Nelson CP, Nöthen MM, Olivieri O, Patel RS, Patterson CC, Peters A, Peyvandi F, Qu L, Quyyumi AA, Rader DJ, Rallidis LS, Rice C, Rosendaal FR, **Rubin D**, Salomaa V, Sampietro ML, Sandhu MS, Schadt E, Schäfer A, Schillert A, Schreiber S, Schrezenmeir J, Schwartz SM, Siscovick DS, Sivananthan M, Sivapalaratnam S, Smith A, Smith TB, Snoep JD, Soranzo N, Spertus JA, Stark K, Stirrups K, Stoll M, Tang WH, Tennstedt S, Thorgeirsson G, Thorleifsson G, Tomaszewski M, Uitterlinden AG, van Rij AM, Voight BF, Wareham NJ, Wells GA,

Wichmann HE, Wild PS, Willenborg C, Witteman JC, Wright BJ, Ye S, Zeller T, Ziegler A, Cambien F, Goodall AH, Cupples LA, Quertermous T, März W, Hengstenberg C, Blankenberg S, Ouwehand WH, Hall AS, Deloukas P, Thompson JR, Stefansson K, Roberts R, Thorsteinsdottir U, O'Donnell CJ, McPherson R, Erdmann J; CARDIoGRAM Consortium, Samani NJ. Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. *Nat Genet*. 2011;43:333-8.

Wild PS, Zeller T, Schillert A, Szymczak S, Sinning CR, Deisereth A, Schnabel RB, Lubos E, Keller T, Eleftheriadis MS, Bickel C, Rupprecht HJ, Wilde S, Rossmann H, Diemert P, Cupples LA, Perret C, Erdmann J, Stark K, Kleber ME, Epstein SE, Voight BF, Kuulaasma K, Li M, Schäfer AS, Klopp N, Braund PS, Sager HB, Demissie S, Proust C, König IR, Wichmann HE, Reinhard W, Hoffmann MM, Virtamo J, Burnett MS, Siscovick D, Wiklund PG, Qu L, El Mokthari NE, Thompson JR, Peters A, Smith AV, Yon E, Baumert J, Hengstenberg C, März W, Amouyel P, Devaney J, Schwartz SM, Saarela O, Mehta NN, **Rubin D**, Silander K, Hall AS, Ferrieres J, Harris TB, Melander O, Kee F, Hakanson H, Schrezenmeir J, Gudnason V, Elosua R, Arveiler D, Evans A, Rader DJ, Illig T, Schreiber S, Bis JC, Altshuler D, Kavousi M, Witteman JC, Uitterlinden AG, Hofman A, Folsom AR, Barbalic M, Boerwinkle E, Kathiresan S, Reilly MP, O'Donnell CJ, Samani NJ, Schunkert H, Cambien F, Lackner KJ, Tiret L, Salomaa V, Munzel T, Ziegler A, Blankenberg S. A Genome-wide Association Study Identifies LIPA as a Susceptibility Gene for Coronary Artery Disease. *Circ Cardiovasc Genet*. 2011 May 23. [Epub ahead of print]

Pfeuffer M, Fielitz K, Laue C, Winkler P, **Rubin D**, Helwig U, Giller K, Kammann J, Schwedhelm E, Böger RH, Bub A, Bell D, Schrezenmeir J. CLA Does Not Impair Endothelial Function and Decreases Body Weight as Compared with Safflower Oil in Overweight and Obese Male Subjects. *J Am Coll Nutr*. 2011;30:19-28.

Auinger, U. Helwig, M. Pfeuffer, **D. Rubin**, M. Lüdde, T. Rausche, N. El Mokhtari, J. Herrmann, U. Fölsch, S. Schreiber, J. Schrezenmeir: A Variant in the Heart Specific Fatty Acid Transport Protein 6 is Associated with Lower Fasting and Postprandial Triglycerides, Blood Pressure and Left Ventricular Hypertrophy. *Br J Nutr*, *under revision*.

**Rubin D**, Herrmann J, Much D, Pfeuffer M, Laue C, Winkler P, Helwig U, Bell D, Auinger A, Darabaneanu S, Rüther A, Schrezenmeir J. Influence of different CLA isomers on insulin resistance and adipoztokines in pre-diabetic, middle-aged men with PPAR $\gamma$ 2 Pro12Ala polymorphism, *J Nutr*, *under revision*.

Darabaneanu S, Overath CH, **Rubin D**, Lüthje S, Sye W, Niederberger U, Gerber WD, Weisser B. Aerobic exercise as a therapy option for migraine: a pilot study. *Int J Sports Med*. 2011 ;32:455-60.

## 2. Übersichten

**Rubin D**, Fölsch UR (2001). Ernährung während/nach akuter Pankreatitis: Was hat wirklich Einfluß auf die Erkrankung? *Dtsch Med Wschr* 126 Suppl 2:90-95.

**Rubin D**, Fölsch UR (2003). Akute Pankreatitis: Pathogenese, Diagnostik und Therapie. *Arzt Praxis* 57:93.