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**Endokrinologie, Diabetologie und Klinische Ernährung**

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**Ausbildung**

2001	Staatsexamen Humanmedizin, Universität Heidelberg
2003	Promotion zum Dr. med., Universität Heidelberg
2008	Facharzttitle Internist
2009	Spezialisierung Nephrologie
2009	Venia legendi für das Fach Innere Medizin, Universität Heidelberg
2010	Spezialisierung Endokrinologie und Diabetologie
2013	Ausserplanmässige Professur an der Universität Heidelberg

**Bisherige Tätigkeit**

2001-2003	Arzt im Praktikum, Universitätsklinikum Heidelberg
2003-2005	Assistenzarzt Innere Medizin und Endokrinologie, Universitätsklinikum Heidelberg
2005-2008	Assistenzarzt Innere Medizin und Nephrologie, Nierenzentrum Heidelberg
2009-2013	Oberarzt Endokrinologie, Universitätsklinikum Heidelberg
<10/2013	Ärztlicher Leiter für Endokrinologie, Diabetologie und Klinische Ernährung soH

**Forschungsschwerpunkte**

- Optimierung konservativer Ansätze zur Gewichtsreduktion und Gewichtserhaltung
- Genetische Regulatoren des Gewichts
- Rolle und Funktion des braunen Fettgewebes bei Gewichtsreduktion und -erhaltung
- Modulation des inflammatorischen Potentials bei Diabetes und Assoziationen mit diabetische Spätschäden

## Publikationen

### *Originalarbeiten*

Fischer L, Elzein Z, Bruckner T, Hünemeyer K, Rudofsky G, Reichenberger M, Schommer K, Gutt CN, Bächler MW, Müller-Stich B. Herausforderungen beim Aufbau eines operativen Adipositaszentrums. *Der Chirurg*. In press

Kenngott HG, Clemens G, Gondan M, Senft J, Diener MK, Rudofsky G, Nawroth PP, Bächler MW, Fischer L, Müller-Stich BP. DiaSurg 2 trial - surgical vs. medical treatment of insulin-dependent type 2 diabetes mellitus in patients with a body mass index between 26 and 35 kg/m<sup>2</sup>: study protocol of a randomized controlled multicenter trial - DRKS00004550. *Trials* 14:183, 2013

Wallmeier D, Winkler JK, Woehning A, Fleming T, Huennemeyer K, Roeder E, Nawroth PP, Friederich HC, Wolfrum C, Schultz JH, Rudofsky G. Genetic modulation of the serotonergic pathway: influence on weight reduction and weight maintenance. *Genes and Nutrition* In press

Winkler JK, Schultz JH, Woehning A, Piel D, Gartner L, Hildebrand M, Roeder E, Nawroth PP, Wolfrum C, Rudofsky G. Effectiveness of a Low-Calorie Weight Loss Program in Moderately and Severely Obese Patients. *Obes facts*. In press

Wu M, Giel KE, Skunde M, Schag K, Rudofsky G, de Zwaan M, Zipfel S, Herzog W, Friederich HC. Inhibitory control and decision making under risk in bulimia nervosa and binge eating disorder. *Int J Eat Disord*. In press

Groener JB, Reismann P, Fleming T, Kalscheuer H, Lehnhoff D, Hamann A, Bierhaus A, Nawroth PP, Rudofsky G. C332C Genotype of Glyoxalase 1 and its Association with Late Diabetic Complications. *Exp Clin Endocrinol Diabetes* 121:436-439, 2013

Mrosek N, Meissburger B, Mataki C, Roeder E, Ukropec J, Klimes I, Gasperikova D, Nawroth PP, Rudofsky G, Auwerx J, Schoonjans K, Wolfrum C. Transcriptional regulation of adipocyte formation by the liver receptor homologue 1 (Lrh1) – Small hetero-dimerization partner (Shp) network. *Mol Metab*. 2:314-23, 2013

Send A, Al-Ayyash A, Schecher S, Rudofsky G, Klein U, Schaier M, Pruszydo MG, Witticke D, Lohmann K, Kaltschmidt J, Haefeli WE, Seidling HM. Development of a standardised knowledge-base to automatically generate individualized medication plans with drug administration recommendations. *Br J Clin Pharmacol*. 76 Suppl 1:37-46, 2013

Rohm M, Sommerfeld A, Strzoda D, Jones A, Sijmonsma T, Rudofsky G, Wolfrum C, Sticht C, Gretz N, Zeyda M, Leitner L, Nawroth P, Stulnig T, Diaz MB, Vegiopoulos A, Herzig S. Transcriptional co-factor TBLR1 controls lipid mobilization in white adipose tissue. *Cell Metab* S1550-4131, 2013

Schütt F, Bruckner T, Schäfer K, Lehnhoff D, Rudofsky G, Kasperk C, Nawroth P, Auffarth GU. Fundus screening by medical technicians. *Ophthalmologie* 110:154-159, 2013

Woehning A, Schultz JH, Roeder E, Moeltner A, Isermann B, Nawroth PP, Wolfrum C, Rudofsky G. The A-allele of the common FTO gene variant rs9939609 complicates weight maintenance in severe obese patients. *Int J Obes* 37: 135-139, 2013

Rudofsky G, Reismann P, Groener JB, Djuric Z, Fleming T, Metzner C, Grafe IA, Bierhaus A, Nawroth PP. Identical LDL-cholesterol lowering but non-identical effects on NF-κB activity: high dose simvastatin vs combination therapy with ezetimibe. *Atherosclerosis* 223:190-6, 2012

Winkler JK, Woehning A, Schultz JH, Brune M, Beaton N, Challa TD, Minkova S, Roeder E, Nawroth PP, Friederich HC, Wolfrum C, Rudofsky G. Taq1A polymorphism in Dopamine D2 Receptor gene complicates weight maintenance in younger obese patients. *Nutrition* 28:996-1001, 2012

Challa TD, Beaton N, Arnold M, Rudofsky G, Langhans W, Wolfrum C. Regulation of adipocyte formation by GLP-1/GLP-1R signalling. *J Biol Chem* 287:6421-6430, 2012

Meissburger B, Ukropec J, Roeder E, Beaton N, Geiger M, Teupser D, Civan B, Langhans W, Nawroth PP, Gasperikova D, Rudofsky G, Wolfrum C. Adipogenesis and insulin sensitivity in obesity are regulated by retinoid-related orphan receptor gamma. *EMBO Mol Med* 3: 637-51, 2011

Rudofsky G, Tsioga M, Reismann P, Leowardi C, Kopf S, Grafe IA, Nawroth PP, Isermann B. Transient Hyperthyroidism after Surgery for Secondary Hyperparathyroidism: A Common Problem. *Eur J Med Res* 16:375-80, 2011

Meissburger B, Stachorski L, Röder E, Rudofsky G, Wolfrum C. Tissue inhibitor of matrix metalloproteinase 1 (TIMP1) controls adipogenesis in obesity in mice and in humans. *Diabetologia* 54:1468-79, 2011

Wang H, Madhusudhan T, He T, Hummel B, Schmidt S, Vinnikov IA, Shahzad K, Kashif M, Muller-Krebs S, Schwenger V, Bierhaus A, Rudofsky G, Nawroth PP, Isermann B. Low but sustained coagulation activation ameliorates glucose induced podocyte apoptosis: protective effect of factor V Leiden in diabetic nephropathy. *Blood* 117:5231-42, 2011

Rudofsky G, Roeder E, Merle T, Hildebrand M, Nawroth PP, Wolfrum C. Weight Loss Improves Endothelial Function Independently of ADMA Reduction in Severe Obesity. *Horm Metab Res* 43:343-8, 2011

Kasperk C, Grafe IA, Schmitt S, Nöldge G, Weiss C, Da Fonseca K, Hillmeier J, Libicher M, Sommer U, Rudofsky G, Meeder PJ, Nawroth P. Three-year outcomes after kyphoplasty in patients with osteoporosis with painful vertebral fractures. *J Vasc Interv Radiol* 21:701-9, 2010

Djuric Z, Sharei V, Rudofsky G, Morcos M, Li H, Hammes HP, Nawroth PP, Bierhaus A, Humpert PM, Jonas JB. Association of Homozygous SDF-1 3'A Genotype with Proliferative Diabetic Retinopathy. *Acta Diabetol* 47:79-82, 2010

Rudofsky G Jr, Schlotterer A, Reismann P, Grafe IA, Tafel J, Morcos M, Humpert PM, Nawroth PP, Bierhaus A, Hamann A. The -174G>C IL-6 gene promoter polymorphism and diabetic microvascular complications. *Horm Metab Res* 41: 308-13, 2009

Kolb A, Rieder S, Born D, Giese NA, Giese T, Rudofsky G, Werner J, Büchler MW, Friess H, Esposito I, Kleeff J. Glucagon/insulin ratio as a potential biomarker for pancreatic cancer in patients with new-onset diabetes mellitus. *Cancer Biol Ther* 8:1527-1533, 2009

Rudofsky G Jr, Schlotterer A, Nawroth PP, Bierhaus A, Hamann A: Comment on: Lin et al. (2007) SUMO4 M55V variant is associated with diabetic nephropathy in type 2 diabetes: *Diabetes* 56: 1177-1180. *Diabetes* 56: e11, 2007

Morcos M, Schlotterer A, Sayed AA, Kukudov G, Oikomonou D, Ibrahim Y, Pfisterer F, Schneider J, Bozorgmehr F, Rudofsky G Jr, Schwenger V, Kientsch-Engels R, Hamann A, Zeier M, Dugi K, Yard B, Humpert PM, Woude F, Nawroth PP, Bierhaus A. Rosiglitazone Reduces Angiotensin II and Advanced Glycation End Product-dependent Sustained Nuclear Factor-kappaB Activation in Cultured Human Proximal Tubular Epithelial Cells. *Horm Metab Res* 40: 752-759, 2008

Rudofsky G Jr, Schlotterer A, Humpert PM, Tafel J, Morcos M, Nawroth PP, Bierhaus A, Hamann A. A M55V polymorphism in the SUMO4 gene is associated with a reduced prevalence of diabetic retinopathy in patients with type 1 diabetes. *Exp Clin Endocrinol Diab* 116: 14-17, 2008

Buchbinder S, Rudofsky G Jr, Humpert PM, Schilling T, Zorn M, Bierhaus A, Nawroth PP: The DG10S478 Variant in the TCF7L2 Gene is not Associated with Microvascular Complications in Type 2 Diabetes. *Exp Clin Endocrinol Diabetes* 116: 211-214, 2008

Grafe IA, Baier M, Nöldge G, Weiss C, Da Fonseca K, Hillmeier J, Libicher M, Rudofsky G, Metzner C, Nawroth P, Meeder PJ, Kasperk C. Calcium-phosphate and polymethylmethacrylate cement in long-term outcome after kyphoplasty of painful osteoporotic vertebral fractures. *Spine* 33: 1284-1290, 2008

Rudofsky G Jr, Reismann P, Grafe IA, Konrade I, Djuric Z, Tafel J, Buchbinder S, Zorn M, Humpert PM, Hamann A, Morcos M, Nawroth PP, Bierhaus A. Improved Vascular Function upon Pioglitazone Treatment in Type 2 Diabetes is not Associated with Changes in Mononuclear NF-kappaB Binding Activity. *Horm Metab Res* 39: 665-671, 2007

Rudofsky G Jr, Schrödter A, Voron'ko OE, Schlotterer A, Humpert PM, Tafel J, Nawroth PP, Bierhaus A, Hamann A. Promoter polymorphisms of UCP1, UCP2, and UCP3 are not associated with diabetic microvascular complications in type 2 diabetes. *Horm Metab Res* 39: 306-309, 2007

Humpert PM, Kopf S, Djuric Z, Laine K, Korosoglou G, Rudofsky G Jr, Hamann A, Morcos M, von Eynatten M, Nawroth PP, Bierhaus A. Levels of three distinct p75 neurotrophin receptor forms found in human plasma are altered in type 2 diabetic patients. *Diabetologia* 50: 1517-1522, 2007

Humpert PM, Djuric Z, Kopf S, Rudofsky G, Morcos M, Nawroth PP, Bierhaus A. Soluble RAGE but not endogenous secretory RAGE is associated with albuminuria in patients with type 2 diabetes. *Cardiovasc Diabetol* 6: 9, 2007

Rudofsky G Jr, Schroedter A, Schlotterer A, Voron'ko OE, Schlimme M, Tafel J, Isermann BH, Humpert PM, Morcos M, Bierhaus A, Nawroth PP, Hamann A. Functional polymorphisms of UCP2 and UCP3 are associated with a reduced prevalence of diabetic neuropathy in patients with type 1 diabetes. *Diabetes Care* 29: 89-94, 2006

Schiekofer S, Franke S, Andrassy M, Chen J, Rudofsky G, Schneider JG, von Eynatten M, Wendt T, Morcos M, Kientsch-Engel R, Stein G, Schleicher E, Nawroth PP, Bierhaus A. Postprandial mononuclear NF-kappaB activation is independent of the AGE-content of a single meal. *Exp Clin Endocrinol Diabetes* 114: 160-167, 2006

Humpert PM, Battista MJ, Lammert A, Reismann P, Djuric Z, Rudofsky G Jr, Zorn M, Morcos M, Hammes HP, Nawroth PP, Bierhaus A. Association of stromal cell-derived factor 1 genotype with diabetic foot syndrome and macrovascular disease in patients with type 2 diabetes. *Clin Chem* 52: 1206-1208, 2006

Rudofsky G, Schlimme M, Schlotterer A, von Eynatten M, Reismann P, Tafel J, Grafe I, Morcos M, Nawroth PP, Bierhaus A, Hamann A. No association of the 94 T/G polymorphism in the adiponectin gene with diabetic complications. *Diabetes Obes Metab* 7: 455-459, 2005

Humpert PM, Neuwirth R, Battista MJ, Voronk' o O, von Eynatten M, Konrade I, Rudofsky G Jr., Wendt Th, Hamann A, Morcos M, Nawroth PP, Bierhaus A. Insulin therapy triggers mobilization of adult progenitor cells in diabetes type 2 partly depending on the SDF-1 genotype. *Diabetes Care* 28: 934-936, 2005

Rudofsky G Jr, Reismann P, Witte S, Humpert PM, Isermann B, Chavakis T, Tafel J, Nosikov VV, Hamann A, Nawroth P, Bierhaus A. Asp299Gly and Thr399Ile genotypes of the TLR4 gene are associated with a reduced prevalence of diabetic neuropathy in patients with type 2 diabetes. *Diabetes Care* 27: 179-183, 2004

Rudofsky G Jr, Chen J, Isermann B, Schilling T, Schiekofer S, Andrassy M, Schneider J, Morcos M, Hamann A, Humpert PM, Sayed AAR, Witte S, Renn W, Pfohl M, Nosikov V, Schleicher E, Häring HU, Rudofsky G sen., Ritz E, Nawroth PP, Bierhaus A. A 63 bp deletion in the promoter of RAGE correlates with a decreased risk for nephropathy in patients with diabetes type 2. *Exp Clin Endocrinol Diab* 112: 135-141, 2004

Reismann P, Lichy Ch, Rudofsky G Jr., Humpert PM, Genius J, Dong-Si T, Dörfer Ch, Grau AJ, Hamann A, Hacke W, Nawroth PP, Bierhaus A. Lack of association between polymorphisms of the Toll-like receptor 4 gene and cerebral ischemia. *J Neurol* 251: 853-858, 2004

von Eynatten M, Schneider G, Humpert PM, Rudofsky G, Schmidt N, Barosch P, Hamann A, Morcos M, Kreuzer J, Bierhaus A, Nawroth PP, Dugi KA. Decreased plasma lipoprotein lipase in hypoadiponectinemia: an association independent of systemic inflammation and insulin resistance. *Diabetes Care* 27: 2925-2959, 2004

Rudofsky G Jr., Reismann P, Schiekofer S, Petrov D, von Eynatten M, Humpert PM, Isermann B, Müller-Hoff C, Thai T-P, Lichtenstein S, Bärtsch U, Hamann A, Nawroth PP, Bierhaus A. Reduction of postprandial hyperglycemia in patients with type 2 diabetes reduces NF-κB activation in PBMCs. *Horm Metab Res* 36: 630-638, 2004

Schiekofer S, Andrassy M, Chen J, Rudofsky G, Schneider J, Wendt T, Stefan N, Humpert P, Fritsche A, Stumvoll M, Schleicher E, Haring HU, Nawroth PP, Bierhaus A. Acute hyperglycemia causes intracellular formation of CML and activation of ras, p42/44 MAPK, and nuclear factor kappaB in PBMCs. *Diabetes* 52: 621-633, 2003

Bierhaus A, Wolf J, Andrassy M, Rohleder N, Humpert PM, Petrov D, Ferstl R, von Eynatten M, Wendt Th, Rudofsky G, Joswig M, Morcos M, Schwaninger M, McEwen B, Kirschbaum C, Nawroth PP. A mechanism converting psychosocial stress into mononuclear cell activation. *Proc Natl Acad Sci* 100: 1920-1925, 2003

Schiekofer S, Rudofsky G Jr, Andrassy M, Schneider J, Chen J, Isermann B, Kanitz M, Elsenhans S, Heinle H, Balletshofer B, Haring HU, Schleicher E, Nawroth PP, Bierhaus A. Glimepiride reduces mononuclear activation of the redox-sensitive transcription factor NF-κB. *Diabetes Obes Metabol* 5: 251-261, 2003

Humpert PM, Isermann B, Rudofsky G, Ziegler R, Bierhaus A, Ritz E, Nawroth PP. The 20210 G to A prothrombin polymorphism and late complications in type 1 diabetes mellitus. *Thromb Haemost* 81:164, 1999

### *Übersichtsarbeiten*

Rudofsky G, Ruessmann HJ, Siegmund T. SGLT2 inhibition: an effective therapeutic approach in the treatment of diabetes mellitus? *DMW* 138:1172-1177, 2013

Oikonomou D, Rudofsky G. Kidney and eye in diabetes: diagnosis and therapy, useful aspects for general practitioners. *MMW Fortschr Med* 154:71-4, 2012

Nawroth PP, Rudofsky G, Humpert P. Have we understood diabetes? New tasks for diagnosis and therapy. *Exp Clin Endocrinol Diabetes* 118:1-3, 2010

Isermann B, Bierhaus A, Humpert P, Rudofsky G, Chavakis T, Ritzel R, Morcos M, Wendt Th Hamann A, Nawroth PP. AGE-RAGE: eine Hypothese oder ein Mechanismus? *Herz* 29: 504-509, 2004

Bierhaus A, Humpert PM, Rudofsky G, Wendt Th, Morcos M, Hamann A, Nawroth PP. New treatments for diabetic neuropathy - pathogenetically oriented treatment. *Curr Diab Rep* 3, 452-458, 2003

### *Fallberichte*

Groener JB, Lehnhoff D, Piel D, Nawroth PP, Schanz J, Rudofsky G. Subcutaneous application of levothyroxine as successful treatment option in a patient with malabsorption. *Am J Case Rep* 14: 48-51, 2013

Schanz J, Rudofsky G, Runz H, Rath T. A deaf mother and son with diabetes and renal failure. *Clin Kidney J* 5: 137-139, 2012

Schanz J, Flux K, Kircher C, Tsioga M, Hartschuh W, Nawroth PP, Rudofsky G. Granulomatous inflammation of the skin and lymph nodes with systemic hypercalcemia after cosmetic treatment with liquid silicone. *Med Sci Mon* 18:CS5-7, 2012

Rudofsky G Jr, Villalobos M, Zorn M, Maimer A, Schaier M, Morcos M, Zeier M, Nawroth PP, Isermann B. Diagnostical relevance of cystatin C measurement in patients with pseudohypercreatininaemia. *Kidney Int* 77:371-2, 2010

Rudofsky G Jr, Grafe IA, Metzner C, Leowardi C, Fohr B. Transient thyrotoxicosis after parathyroidectomy without underlying thyroid disease. *Med Sci Mon* 15: CS41-3, 2009

Wildemann B, Rudofsky G Jr, Kress B, Jarius S, König F, Schwenger V. The tumor-necrosis-factor-associated periodic syndrome, the brain, and tumor-necrosis-factor-alpha antagonists. *Neurology* 68: 1742-1744, 2007

Rudofsky G Jr, Hoffmann F, Müller K, Filser M, Lohse P, Beimler J, Schwenger V. A nephrotic patient with tumour necrosis factor receptor-associated periodic syndrome, IgA nephropathy and CNS involvement. *Nephrol Dial Transplant* 21:1109-1112, 2006

### *Buchbeiträge*

Bierhaus A, Humpert P, Rudofsky G, Chavakis T, Wendt T, Hamann A, Nawroth PP: Inflammation. In: Meinertz, Rösen, Schömig, Tschöpe, Ziegler (Hrsg.): *Diabetes und Herz*. Springer-Verlag, 55-64, 2004