

## **Publication List Antje Körner**

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### **Original Publications<sup>1</sup>**

#### 2026

1. Prengemann L, Stein R, Gausche R, Beger C, Vogel M, Wenzel E, Stoltze A, Kiess W, Pfäffle R, Körner A. Children born SGA receiving growth hormone have similarly impaired glucose-insulin metabolism as children with obesity. **J Clin Endocr Metab** Feb 10:dgaf672 (2026) IF: 5.1
2. Bamberger R, Lotter LD, Nieto N, Poulain T, Körner A, Kiess W, Fuchs M, von Polier G. Voices of change: associations between vocal markers and symptoms of ADHD - Findings from the LIFE child study. **Eur Child Adolesc Psych** Feb 26 *Epub ahead of print* (2026) IF: 4.9
3. Hilbert A, Schewe D, Hiemisch A, Körner A, Kiess W, Schmidt R. Multivariate Trajectories of Eating Disorder Symptoms and Weight Status in 10- to 17-Year-Old Children and Adolescents. **Int J Eat Disord** May;59(5):978-995 (2026) IF: 4.3

#### 2025

4. Riedel J, Genge N, Meyer K, Wenzel E, Sergejev E, Mühlberg K, Steiner S, Kiess W, Pfäffle R, Blüher M, Körner A, Stein R. A prospective cohort analysis from Germany shows transition into adulthood is an underestimated vulnerable period for children with overweight/obesity. **Commun Med-London** Oct 30;5(1):447 (2025) IF: 6.3; cites 2
5. Lazarescu O, Ziv-Agam M, Haim Y, Hekselman I, Jubran J, Shneyour A, Muallem H, Zemer A, Rosengarten-Levin M, Kitsberg D, Levin L, Liberty IF, Yoel U, Dukhno O, Adam M, Braune J, Müller C, Raulien N, Gericke M, Körner A, Murphy R, Blüher M, Habib N, Rudich A, Yeger-Lotem E. Human subcutaneous and visceral adipocyte atlases uncover classical and nonclassical adipocytes and depot-specific patterns. **Nat Genet** Feb;57(2):413-426 (2025) IF: 29.0; cites 23
6. Arslanian S, Gies I, Goldman B, Karlsson T, Kelly AS, Skalsshøi Kjær M, Körner A, Nouredin M, Wabitsch M, Harder-Lauridsen NM, Weghuber D. Effect of Semaglutide on Insulin Sensitivity and Cardiometabolic Risk Factors in Adolescents With Obesity: The STEP TEENS Study. **Diabetes Care** Nov 26:dc250824 (2025) IF: 16.6

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<sup>1</sup> Impact factors according to Journal Citation Report  
Citations according to Web of Science as of March 15, 2026

7. Hjorth T, Schadow A, Revheim I, Spielau U, Meyer K, Rieder A, Varela P, Ballance S, Koerner A, Landberg R, Buyken AE, Dierkes J, Rosendahl-Riise H. Effectiveness of regular oat  $\beta$ -glucan-enriched bread compared with whole-grain wheat bread on long-term glycemic control in adults at risk of type 2 diabetes: a randomized controlled trial. **Am J Clin Nutr** Sep;122(3):724-732 (2025) IF: 6.9; cites 1
8. Brandt-Heunemann S, Vogel M, Kiess W, Körner A, Blüher M, Meigen C, Stein R, Wenzel E, Landgraf K, von Schnurbein J, Denzer C, Lennerz BS, Elad L, Kornmann M, Pridzun L, Rothenbacher D, Steinacker JM, Janda A, Rutters F, Elders PJM, Neuhäuser-Berthold M, Boeing H, Juul A, Ranke MB, Kratzsch J, Wabitsch M. Reference Values for Serum Leptin Levels in Children, Adolescents, and Adults With Normal Weight, Overweight, and Obesity. **J Clin Endocr Metab** Aug 5:dgaf439 (2025) IF: 5.1; cites 1
9. Berisha A, Berisha A, Kiess W, Gausche R, Beger C, Körner A, Spielau U, Pfäffle R, Stein R, Kaspar A, Vogel M. From Childhood to Adolescence: Long-Term Trends in Severe Obesity in German Youth (2002-2023). **Obes Facts** 18(5):503-513 (2025) IF: 4.7; cites 2
10. Amberbir A, Ordnung M, Ishimwe SMC, Biemann R, Vogel M, Kiess W, Körner A, Nigatu B, Bazimya D, Uwizeyimana T, Niyibizi JB, Seifu D, Bekele A, Genuneit J. Differences in metabolic adaptations during mid and late pregnancy: a comparative cohort study between Rwanda and Germany. **J Glob Health** Jul 11;15:04206 (2005) IF: 4.3
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12. Künzel R, Faust H, Bundalian L, Blüher M, Jasaszwilli M, Kirstein A, Kobelt A, Körner A, Popp D, Wenzel E, Jamra RA, Lemke JR, Schöneberg T, Stein R, Garten A, Le Duc D. Detecting monogenic obesity: a systematic exome-wide workup of over 500 individuals. **Int J Obes** Jul;49(7):1400-1411 (2005) IF: 3.8; cites 4
13. von Laffert A, Riemekasten S, Kieß W, Körner A, Koehne T, Hirsch C. Influence of upper anterior teeth crowding on the quality of life of children and adolescents. **J Orofac Orthop** Aug 19 (2005) IF: 1.6

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15. Frielitz-Wagner IV, Mattutat J, Frielitz FS, Scheuermann K, Gesing J, Marheineke D, Löffler D, Kiess W, Körner A. Diurnal rhythm of Npm1 is gender and weight dependent. **Obes Res Clin Pract** May-Jun;18(3):181-188 (2024) IF: 2.3; cites 1
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- (ADGRL1/LPHN1) increases the risk of obesity. **Signal Transduct Target Ther** Apr 26;9(1):103 (2024) IF: 52.7; cites 10
17. Tomar A, Gomez-Velazquez M, Gerlini R, Comas-Armangué G, Makharadze L, Kolbe T, Boersma A, Dahlhoff M, Burgstaller JP, Lassi M, Darr J, Toppari J, Virtanen H, Kühnapfel A, Scholz M, Landgraf K, Kiess W, Vogel M, Gailus-Durner V, Fuchs H, Marschall S, Hrabě de Angelis M, Kotaja N, Körner A, Teperino R. Epigenetic inheritance of diet-induced and sperm-borne mitochondrial RNAs. **Nature** Jun;630(8017):720-727 (2024) IF: 48.5; cites 140
  18. Scholz M, Horn K, Pott J, Wuttke M, Kühnapfel A, Nasr MK, Kirsten H, Li Y, Hoppmann A, Gorski M, Ghasemi S, Li M, Tin A, Chai J-F, Cocca M, Wang J, Nutile T, (...) Körner A (...) Pattaro C. X-chromosome and kidney function: evidence from a multi-trait genetic analysis of 908,697 individuals reveals sex-specific and sex-differential findings in genes regulated by androgen response elements. **Nat Commun** 15(1):586 (2024) IF: 15.7; cites 10
  19. Krishnan S, Manoharan J, Wang H, Gupta D, Fatima S, Yu Y, Mathew A, Li Z, Kohli S, Schwab C, Körner A, Mertens PR, Nawroth P, Shahzad K, Naumann M, Isermann B, Biemann R. Corrigendum to "CD248 induces a maladaptive unfolded protein response in diabetic kidney disease." *Kidney International*; 103:304-319. **Kidney Int** Dec;106(6):1193-1196 (2024) IF: 12.6
  20. Stefanucci L, Moslemi C, Tomé AR, Virtue S, Bidault G, Gleadall NS, Watson LPE, Kwa JE, Burden F, Farrow S; DBDS Genetic Consortium; Chen J; MAGIC; Vösa U, Burling K, Walker L, Ord J, Barker P, Warner J, Frary A, Renhstrom K, Ashford SE, Piper J, Biggs G, Erber WN, Hoffman GJ, Schoenmakers N, Erikstrup C, Rieneck K, Dziegiel MH, Ullum H, Azzu V, Vacca M, Aparicio HJ, Hui Q, Cho K, Sun YV, Wilson PW, Bayraktar OA, Vidal-Puig A, Ostrowski SR, Astle WJ, Olsson ML, Storry JR, Pedersen OB, Ouwehand WH, Chatterjee K, Vuckovic D, Frontini M. SMIM1 absence is associated with reduced energy expenditure and excess weight. **Med** Sep 13;5(9):1083-1095.e6 (2024) IF: 11.8; cites 3
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  22. Aldehoff AS, Karkossa I, Goerdeler C, Krieg L, Schor J, Engelmann B, Wabitsch M, Landgraf K, Hackermüller J, Körner A, Rolle-Kampczyk U, Schubert K, von Bergen M. Unveiling the dynamics of acetylation and phosphorylation in SGBS and 3T3-L1 adipogenesis. **iScience** Apr 10;27(6):109711 (2024) IF: 4.1; cites 5
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  24. Jensch R, Baber R, Körner A, Kiess W, Ceglarek U, Garten A, Vogel M. Association of Whole Blood Amino Acid and Acylcarnitine Metabolome with Anthropometry and IGF-I Serum Levels in Healthy Children and Adolescents in Germany. **Metabolites** Sep 9;14(9):489 (2024) IF: 3.7; cites 1

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26. Kühnen P, Argente J, Clément K, Dollfus H, Dubern B, Farooqi S, de Groot C, Grüters A, Holm JC, Hopkins M, Kleinendorst L, Körner A, Meeker D, Rydén M, von Schnurbein J, Tschöp M, Yeo GSH, Zorn S, Wabitsch M. IMPROVE 2022 International Meeting on Pathway-Related Obesity: Vision of Excellence. **Clin Obes** Apr 11:e12659 (2024) IF: 2.1; cites 1

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27. Hammel MC, Stein R, Kratzsch J, Vogel M, Eckert AJ, Triatin RD, Colombo M, Meigen C, Baber R, Stanik J, Spielau U, Stoltze A, Wirkner K, Tönjes A, Snieder H, Holl RW, Stumvoll M, Blüher M, Kiess W, Körner A. Fasting indices of glucose-insulin-metabolism across life span and prediction of glycemic deterioration in children with obesity from new diagnostic cut-offs. **Lancet Reg Health-Eu** May 23;30:100652 (2023) IF: 13.0; cites 20
28. Abdul Majeed S, Dunzendorfer H, Weiner J, Heiker JT, Kiess W, Körner A, Landgraf K. COBL, MKX and MYOC Are Potential Regulators of Brown Adipose Tissue Development Associated with Obesity-Related Metabolic Dysfunction in Children. **Int J Mol Sci** Feb 4;24(4):3085 (2023) IF: 4.9; cites 6
29. Stein R, Koutny F, Riedel J, Dörr N, Meyer K, Colombo M, Vogel M, Anderwald CH, Blüher M, Kiess W, Körner A, Weghuber D. Single Point Insulin Sensitivity Estimator (SPISE) As a Prognostic Marker for Emerging Dysglycemia in Children with Overweight or Obesity. **Metabolites** Jan 7;13(1):100 (2023) IF: 3.7; cites 7
30. Ott R, Stein R, Hauta-Alus HH, Ronkainen J, Fernández-Barrés S, Spielau U, Kirsten H, Poulain T, Melton PE, Küpers LK, Azaryah H, Colombo M, Landgraf K, Tobi EW, O'Sullivan T, Huang RC, Campoy C, Winkler C, Vioque J, Vrijheid M, Kiess W, Körner A, Sebert S, Jarvelin MR, Ziegler AG, Hummel S. Epigenome-Wide Meta-analysis Reveals Associations Between Dietary Glycemic Index and Glycemic Load and DNA Methylation in Children and Adolescents of Different Body Sizes. **Diabetes Care** Nov 1;46(11):2067-2075 (2023) IF: 16.6; cites 8
31. Denzer C, Rosenbauer J, Klose D, Körner A, Reinehr T, Baechle C, Schröder C, Wiegand S, Holl RW, Prinz N; DPV-Initiative. Is COVID-19 to Blame? Trends of Incidence and Sex Ratio in Youth-Onset Type 2 Diabetes in Germany. **Diabetes Care**. Jul 1;46(7):1379-1387 (2023) IF: 16.6; cites 19
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34. Prinz N, Pomares-Millan H, Dannemann A, Giordano GN, Joisten C, Körner A, Weghuber D, Weihrauch-Blüher S, Wiegand S, Holl RW, Lanzinger S; APV initiative and the

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36. Hirsch C, Schierz O, Körner A, Kiess W, Biemann R, Schrock A, Türp JC. Sex hormones associated with temporomandibular pain on palpation in male adolescents-Results of the epidemiologic LIFE child study. **J Oral Rehabil** Oct;50(10):972-979 (2023) IF: 4.0; cites 2
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39. Hanschkow M, Boulet N, Kempf E, Bouloumié A, Kiess W, Stein R, Körner A, Landgraf K. Expression of the adipocyte progenitor markers MSCA1 and CD36 is associated with adipose tissue function in children. **J Clin Endocr Metab** 107:e836-e851 (2022) IF: 5.1; cites 7
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41. Brandstetter S, Poulain T, Vogel M, Meigen C, Melter M, Köninger A, Apfelbacher C, Kiess W, Kabesch M, Körner A, Kuno Kids Study Group. Families' Worries during the First and Second COVID-19 Wave in Germany: Longitudinal Study in Two Population Based Cohorts. **Int J Environ Res Public Health**. 19(5):2820 (2022) IF: 3.7; cites 7
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45. Yang CH, Fagnocchi L, Apostle S, Wegert V, Casaní-Galdón S, Landgraf K, Panzeri I, Dror E, Heyne S, Wörpel T, Chandler DP, Lu D, Yang T, Gibbons E, Guerreiro R, Bras J, Thomasen M, Grunnet LG, Vaag AA, Gillberg L, Grundberg E, Conesa A, Körner A; PERMUTE; Pospisilik JA. Independent phenotypic plasticity axes define distinct obesity sub-types. **Nat Metab** 4(9):1150-1165 (2022) IF: 20.8; cites 28
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characterised by increased IL-1 $\beta$  response to calcium-sensing receptor signals. **Int J Obes** Aug 5 (2022) Epub ahead of print IF: 3.8; cites 15

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## 2021

63. Koutny F, Stein R, Kiess W, Weghuber D, Körner A. Elevated transaminases potentiate the risk for emerging dysglycemia in children with overweight and obesity. **Pediatr Obes** 16:e12822 (2021) IF: 2.7; cites 10

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