Name Anna Köttgen

Institution: Institute of Genetic Epidemiology, Medical Center – University of Freiburg
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Position: Director of the Institute, Professor of Genetic Epidemiology

Academic education including academic degrees

09/2005-03/2006	Studies of Public Health Johns Hopkins Bloomberg School of Public Health, Baltimore, USA. Degree: "Master of Public Health", mentors: Dr. J. Coresh, Dr. W.H. L. Kao
03/2002	Doctoral degree in medicine (Dr. med.), Albert-Ludwigs-University Freiburg, mentor: Prof. R. Greger
2001, 2003	United States Medical Licensing Examination Steps I and II CK
10/1994-09/2001	Studies of Human Medicine (M.D.), Albert-Ludwigs-University Freiburg

Scientific graduation

2017-present	Director and Full Professor (W3), Institute of Genetic Epidemiology, University of Freiburg
01/2016-present	Heisenberg professorship for Genetic Epidemiology, Albert-Ludwigs-University Freiburg
2011	Habilitation in Experimental Medicine, Albert-Ludwigs-University Freiburg, mentor: Prof. G. Walz
01/2010-12/2015	Emmy Noether group leader, Albert-Ludwigs-University Freiburg
04/2006-03/2008	Postdoctoral fellow, Department of Epidemiology, Johns Hopkins University, Baltimore, USA, mentor: Dr. J. Coresh

Employment

10/2009-present	Medical Center – University of Freiburg
09/2009-present	Professor - Adjunct, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, USA
04/2008-09/2009	Assistant Scientist, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, USA

Other activities, awards and honours

2024-present	Principal Investigator, NAKO Health Study Freiburg Site
2024-present	Member, University Council, University of Freiburg
2024	CHARGE Consortium Golden Tiger Award for Mentorship
2023	Offer: Chair of Medical Informatics, Statistics and Epidemiology, University of Leipzig; declined
2021-present	Speaker, CRC 1453 "NephroGenetics", University of Freiburg
2021	Elected Member, The American Society for Clinical Investigation (ASCI)
2021	Elected Member, German National Academy of Sciences Leopoldina
2020	Co-Chair, KDIGO Controversies Conference Genetics in CKD
2020	Landesforschungspreis for Basic Sciences, Baden Württemberg
2019-present	Speaker, Medical Scientist Program, Faculty of Medicine, University of Freiburg
2018-present	Speaker of Kidney Expert Group, German National Cohort study
2017	CHARGE Consortium Golden Tiger Award for Group Leadership
2017	Franz Volhard Prize of the German Society of Nephrology
2016-present	Co-Director, International Chronic Kidney Disease Genetics (CKDGen) Consortium

2013	Offer: Chair of Epidemiology, Ludwigs-Maximilians-University, Munich, Germany; declined
2011	Nils Alwall Preis of the German Society of Nephrology
2010	Cozzarelli Prize of the US National Academy of Sciences
2009	Offer: Assistant Professor (tenure track), Depts. of Epidemiology / Biostatistics and Medicine, Case Western Reserve University, Cleveland, USA; declined
2009	Jeremiah and Rose Stamler Research Award for New Investigators, American Heart Association
1998-2001	German National Academic Foundation Scholar (Studienstiftung des deutschen Volkes)

Ten most important publications (*shared first/corresponding author)

1. Scherer N, Faessler D, Borisov O, …, Hertel J, **Köttgen A**. Coupling of metabolomics and exome sequencing reveals graded effects of rare damaging heterozygous variants on gene function and human traits and diseases. *Nat Genet*, 57(1):193-205 (2025).
2. Schlosser P., Scherer N., Grundner-Culeman F., …, Li Y., **Köttgen A**. Genetic studies of paired metabolomes reveal enzymatic and transport processes at the interface of plasma and urine. *Nat Genet*, 55(6):995-1008 (2023).
3. Schlosser P, Li Y, Sekula P, Raffler J, Grundner-Culemann F, Pietzner M, Cheng Y, Wuttke M, Steinbrenner I, Schultheiss UT, Kotsis F, Kacprowski T, Forer L, Hausknecht B, Ekici AB, Nauck M, Völker U; GCKD Investigators, Walz G, Oefner PJ, Kronenberg F, Mohney RP, Köttgen M, Suhre K, Eckardt KU, Kastenmüller G, **Köttgen A** (2020) Genetic Studies of Urinary Metabolites Illuminate Mechanisms of Detoxification and Excretion in Humans. *Nat Genet*, 52(2):167-176
4. Tin A, Marten J, Halperin Kuhns VL, Li Y, Wuttke M, Kirsten H, …, Hung AM, Teumer A, Pattaro C, Woodward OM, Vitart V, **Köttgen A** (2019) Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. *Nat Genet*, 51(10):1459-1474
5. Wuttke M, Li Y, Li M, Sieber KB, Feitosa MF, Gorski M, ..., Heid IM, Scholz M, Teumer A, **Köttgen A***, Pattaro C* (2019) A catalogue of genetic targets for kidney function from analyses of a million individuals. *Nat Genet*, 51(6):957-972
6. **Köttgen A**, Albrecht E, Teumer A, Vitart V, Krumsiek J, …, Caulfield M, Bochud M, Gieger C (2013) Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. *Nat Genet*, 45(2):145-154
7. Suhre K, Shin SY, Petersen AK, Mohney RP, Meredith D, Wagele B, Altmaier E, Deloukas P, Erdmann J, Grundberg E, Hammond CJ, de Angelis MH, Kastenmuller G, **Köttgen A**, Kronenberg F, Mangino M, Meisinger C, Meitinger T, Mewes HW, Milburn MV, Prehn C, Raffler J, Ried JS, Romisch-Margl W, Samani NJ, Small KS, Wichmann HE, Zhai G, Illig T, Spector TD, Adamski J, Soranzo N, Gieger C (2011) Human metabolic individuality in biomedical and pharmaceutical research. *Nature*, 477(7362):54-60
8. **Köttgen A**, Pattaro C, Boger CA, Fuchsberger C, …, Kao WH, Heid IM, Fox CS (2010) New loci associated with kidney function and chronic kidney disease. *Nat Genet*, 42(5):376-384
9. Woodward OM*, **Köttgen A***, Coresh J, Boerwinkle E, Guggino WB, Köttgen M (2009) Identification of a novel urate transporter, ABCG2, with a common functional polymorphism causing gout. *Proc Natl Acad Sci U S A*. 106(25):10338-42
10. **Köttgen A**, Glazer NL, Dehghan A, Hwang SJ, …, Witteman JC, Coresh J, Shlipak MG, Fox CS (2009). Multiple loci associated with indices of renal function and chronic kidney disease. *Nat Genet*, 41(6):712-717.