

Curriculum Vitae

Inke R. König Professor, Dr. rer. biol. hum.
d.o.b. December 10th, 1972, in Göttingen, Germany

University Education

2008 Habilitation Medical Biometry and Epidemiology, University of Lübeck (UzL)
2002 Doctorate Human Biology, UzL
1997 Scholar of the German Academic Exchange Service for a research project at the University of Dundee, Scotland
1992–1996 Scholar of the German Academic Scholarship Foundation (Studienstiftung des deutschen Volkes)
1991–1997 Studies of Psychology, Philipps University Marburg

Scientific Career

Since 2021 Member elect of the Advisory Board of the German Region of the International Biometric Society
Since 2019 University Professor (W3) for Medical Biometry and Statistics and Chair of the Institute for Medical Biometry and Statistics (IMBS) at the UzL
2017–2019 President-elect/President/Past president of the International Genetic Epidemiology Society
Since 2017 Principal Investigator in the German Center for Cardiovascular Research
Since 2015 Principal Investigator in the German Center for Lung Research
2014–2016 Member elect of the Board of Directors of the International Genetic Epidemiology Society
2010–2019 University Professor (W2) for Medical Biometry and Statistics
2004 Certificate Biometrics in Medicine of the German Society for Medical Informatics, Biometrics and Epidemiology and the German Region of the International Biometric Society
2001–2010 Scientific employee at the IMBS at the UzL
1998–2001 Scientific employee at the Institute for Medical Biometry and Epidemiology, Philipps University Marburg

Awards and Honors

2017 Dorothea Erxleben Female Investigator Award from the Cluster of Excellence Inflammation at Interfaces
2008 2. Gustav-Adolf-Lienert-Preis 2008 of the German Region of the International Biometric Society
2007 James V. Neel Young Investigator Award of the International Genetic Epidemiology Society

Citation Record

Total citations: 30,088; h-index:83; h-index since 2017: 56 (Google Scholar August 9th, 2022)

Top-10 selected Publications

Bahmer, T., ..., **I. R. König**, S. Bartel and ALLIANCE study group as part of the German Center for Lung Research (DZL). RNA-seq based profiling of extracellular vesicles in plasma reveals a potential role of miR-122-5p in asthma. *Allergy* 2021 76(1): 366-371.

Desch, S., A. ..., **I. R. König**, S. Brett, M. Vens, K. Klinge, H. Thiele and on behalf of the TOMAHAWK Investigators. Angiography after out-of-hospital cardiac arrest without ST- elevation. *N Engl J Med* 2021 385(27): 2544-2553.

Laabs, B.-H., ..., **I. R. König*** and A. Westenberger*. Identifying genetic modifiers of age-associated penetrance in X-linked dystonia parkinsonism. *Nat Commun* 2021 12(1): 3216.

Vos, M., M. Dulovic-Mahlow, F. Mandik, L. Frese, Y. Kanana, S. H. Diaw, J. Depperschmidt, C. Böhm, J. Rohr, T. Lohnau, **I. R. König** and C. Klein. Ceramide-accumulation induces mitophagy and impairs β -oxidation in PINK1 deficiency. *Proc Natl Acad Sci* 2021 118(43): e2025347118.

Weckmann, M., T. Bahmer, J. M. Bülow Sand, S. Rank Rønnow, M. Pech, C. Vermeulen, A. Faiz, D. Leeming, M. Karsdal, L. Lunding, B. Oliver, M. Wegmann, G. Ulrich-Merzenich, U. Juergens, J. Duhn, Y. Laumonier, O. Danov, K. Sewald, U. Zissler, M. Jonker, **I. König**, G. Hansen, E. von Mutius, O. Fuchs, A. Dittrich, B. Schaub, C. Happle, K. Rabe, M. van den Berge, J. Burgess and M. Kopp. COL4A3 is degraded in allergic asthma and degradation predicts response to anti-IgE therapy. *Eur Respir J* 2021 58(8): 2003969.

Borsche*, M., **I. R. König***, S. Delcambre, S. Petrucci, A. Balck, N. Brüggemann, A. Zimprich, K. Wasner, S. L. Pereira, M. Avenali, C. Deuschle, K. Badanjak, J. Ghelfi, T. Gasser, M. Kasten, P. Rosenstiel, K. Lohmann, K. Brockmann, E. M. Valente, R. J. Youle, A. Grünwald and C. Klein. Mitochondrial damage-associated inflammation highlights Parkinson's disease biomarkers in carriers of Parkin and PINK1 mutations. *Brain* 2020 143(10): 3041-3051.

Thiele, H., ..., **I. R. König**, R. Vonthein, Y. Rückert, A.-K. Funkat, S. d. Waha-Thiele, S. Desch and on behalf of the SOLVE-TAVI Investigators. Comparison of newer generation self-expandable vs. balloon-expandable valves in transcatheter aortic valve implantation: the randomized SOLVE-TAVI trial. *Eur Heart J* 2020 41(20): 1890-1899.

Ferrario, P. G. and **I. R. König**. Transferring entropy to the realm of GxG interactions. *Brief Bioinform* 2018 19(1): 136-147.

König, I. R., O. Fuchs, G. Hansen, E. von Mutius and M. Kopp. What is Precision Medicine? *Eur Respir J* 2017 50(4): 1700391.

Schunkert, H., **I. R. König**, ..., N. J. Samani and for the CARDIoGRAM Consortium. Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. *Nat Genet* 2011 43(4): 333-338.