

# DBMR Research Conference

Date **December 6, 2021, 5 pm – 6 pm**

Title **Understanding Kidney Function through Population-based Genetic Studies**

Speaker **Prof. Dr. Anna Köttgen, Institute of Genetic Epidemiology, Albert-Ludwigs-University Freiburg, Freiburg, DE**

**Bio:** Anna Köttgen obtained her Medical Degree from the University of Freiburg, Germany, and a Master of Public Health from the Johns Hopkins Bloomberg School of Public Health (JHSPH), where she also completed a Postdoctoral Fellowship in Genetic Epidemiology. She currently is a Full Professor and Director of the Institute of Genetic Epidemiology in Freiburg, Germany, and also an Adjunct Professor at the Dept. of Epidemiology at the JHSPH. Her research focuses on using data from epidemiological and clinical studies to gain insights into human physiology and the pathophysiology of complex traits and diseases, with a special focus on kidney and metabolic diseases. Anna co-directs the international CKDGen Consortium, the Kidney Working Groups of the CHARGE Consortium and TOPMED Project and leads the Kidney Expert Group of the German National Cohort, all large collaborations to study the genetics of kidney function and disease. She is also a Steering Committee member of the German Chronic Kidney Disease study, an ongoing cohort study of >5,000 patients with chronic kidney disease. Her lab aims to use human genetics as a tool to gain mechanistic insights, and Anna and her team collaborate extensively with basic science labs for this purpose.

**Abstract:** Complex diseases and traits result from a combination of genetic susceptibility variants in many genes and their interactions with the environment. The lecture will highlight how we can use high-throughput methods such as metabolomics and proteomics in an unbiased and comprehensive manner and link them to genetics in order to gain novel insights into human physiology and pathophysiology in general, and in mechanisms of metabolite detoxification and excretion in particular.

**Prof. Dr. Anna Köttgen has been invited by Prof. Dr. Matthias Hediger, Hediger Lab, Program Translational Hormone Research, Department for BioMedical Research, University of Bern and Department of Nephrology and Hypertension, Inselspital**

**Next DBMR Research Conference**

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**February 7, 2022**

**Prof. Dr. Hugues Abriel, Institute of Biochemistry and Molecular Medicine,  
University of Bern**

*Title will be announced soon.*

The DBMR Research Conference takes place from 5 pm – 6 pm and will be followed by an apéro.



Department for BioMedical Research DBMR

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The logo of the University of Bern, consisting of a stylized lowercase 'u' with a superscript 'b' to its upper right.

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