

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 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

The DBMR Research Conference will take place as a webinar via Zoom.

For those wishing to attend, please use this link

<https://unibe-ch.zoom.us/j/69529335325?pwd=NEI5cTN6NDA0U2dWQ2hJTStMSGludz09>

Meeting ID: 695 2933 5325

Password : 983934

or scan the QR code.

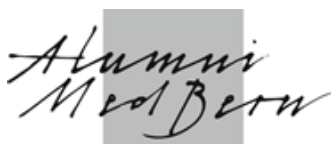


Next DBMR Research Conference

February 7, 2022

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

"Genes coding for ion channels and ion channels to sequence genes: Experience in two African medical genetics laboratories"



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