



Scientific Programme

Scientific Workshop Title: Population Genetics in Kidney Disease

Venue: University Hospital Regensburg; Regensburg, Germany

Date: September 25-26, 2015

Workshop Organizer: Carsten A. Böger, MD. Dept of Nephrology, University Hospital Regensburg

Area: Basic science and clinical applications of population genetics in kidney disease

Meeting Web site: www.kidneygenomics-wgikd2015.eu

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Time start	Time finish	Topic	Speaker
Friday, Sep 25			
8:00	9:00	Registration	
9:00	9:05	Welcome Adress	Bernhard Banas, Regensburg
9:05	9:15	Welcome, Objectives of the Programme	Carsten Böger, Regensburg
Prerequisites for successful genetic epidemiology: study design, networks and end points		<i>Aim of this session: discussion of the strategies and pitfalls of population based and CKD cohorts and what findings can be expected from each, and important analyses from the CKD Prognosis Consortium regarding the definition of renal end points</i>	Chair: Michael Leitzmann, Regensburg
9:15	9:45	Study design: my experience in designing and performing major population cohorts	Stefan Blankenberg, Hamburg
9:45	10:15	Networks: The Global Network of CKD cohorts: aims and findings	Thomas Dienemann, Erlangen
10:15	10:45	Diabetes cohorts: an international overview	Carsten Böger, Regensburg
10:45	11:15	End Points: Defining renal end points in kidney disease -- an update from the CKD Prognosis consortium	Benedicte Stengel, France
11:15	11:45	Coffee break	
Genomics technologies for unraveling complex diseases		<i>Aim of this session: the audience will discuss the difference between rare and common genetic diseases, how GWAS can provide novel insights into disease mechanisms particularly of common disease and discuss important methods to reach this goal.</i>	Chair: Iris M. Heid, Regensburg
11:45	12:15	Searching for the underlying disease gene: Approaches in monogenic versus complex disorders	Bernhard Weber, Regensburg
12:15	12:45	Connecting GWAS with metabolomics and other omics-technologies	Gabi Kastenmüller, Helmholtz-Zentrum Munich
12:45	13:15	Importance of epigenetics for understanding gene regulation	Melanie Waldenberger, Helmholtz-Zentrum Munich

13:15	14:15	Lunch	
14:15	15:45	Hands-on Workshop	
Visit the recruitment centers and meet the Principal Investigator of one of the following studies (select one)		<i>Aim of this session: meet the Principal Investigator of one major, currently recruiting cohort, learn about the studies' design and discuss practical issues in performing the study.</i>	
a) National Cohort			Michael Leitzmann
b) AUGUR			Iris Heid
c) DIACORE			Carsten Böger
15:45	16:00	Coffee break	
State of the Art Session I: genetic markers of kidney traits and their clinical implications		<i>Aim of this session: The audience will learn the current state of the art of GWAS findings in kidney traits and discuss their clinical implications. The focus in this session is on intermediate traits such as kidney function and albuminuria, and on options for translation of findings into clinical nephrology.</i>	Chair: Carsten Böger
16:00	16:30	GWAS of kidney function and albuminuria traits in the general population: recent findings	Cristian Pattaro, Bolzano, Italy
16:30	17:00	Rare variants associated with kidney function – insights from 1000G and Exome chip GWAS meta-analysis	Mathias Gorski, Regensburg
17:00	17:30	Coffee break	
17:30	18:00	UMOD: the link between salt, blood pressure, urinary tract infection and CKD	Olivier Devuyst, Zürich, Switzerland
18:00	18:30	Genetics for personalized estimation of GFR: a case for living kidney donors?	Conall O'Seaghda, Dublin

Saturday September 26, 2015			
8.30-10.00: State of the Art Session II: genetic markers of kidney diseases and their clinical implications		<i>Aim of this session: The audience will learn the current state of the art of GWAS findings in common kidney disease and discuss their clinical implications. The focus in this session is on common kidney disease such as diabetic and membranous nephropathy, and on the genetics of sodium and blood pressure levels</i>	Chair: Carsten Böger
9:00	9:30	IgA and membranous nephropathy: insights from GWAS	Anna Köttgen, Freiburg
9:30	10:00	The genetic link between sleeping sickness and ESRD	Afshin Parsa, Baltimore USA (tbc)
10:00	10:30	Is there a genetic basis of diabetic nephropathy?	Per-Henrik Groop, Helsinki
10:30	11:00	Genetics of sodium and blood pressure	Murielle Bochud, Lausanne
11:00	11:30	Coffee break	
What can we learn from GWAS of kidney-related traits?		<i>Aim of this session: To gain insights into the strategies and findings from GWAS of important kidney-related traits and their clinical implications for daily practice.</i>	Chair: Anna Köttgen
11:30	12:00	BMI and waist hip ratio	Thomas Winkler, Regensburg
12:00	12:30	Age related macula degeneration	Iris Heid, Regensburg
12:30	13:00	Lipids	Florian Kronenberg, Innsbruck
13:00	13:30	Summary	Böger