

# EDNSG 34th Annual Meeting

May 27-28 2022, Salzburg, Austria

Paracelsus Medical University (PMU, Strubergasse 22, 5020 Salzburg, [www.pmu.ac.at](http://www.pmu.ac.at) )



## FRIDAY 27<sup>TH</sup> MAY 2022. MORNING SESSION

<b>08:30 – 08:45</b>	Opening Ceremony	<b>Luigi Gnudi, President of EDNSG</b>
<b>08:45 – 09:30</b>	RUTH ØSTERBY LECTURE 2022	<b>Chair: Luigi Gnudi</b>
	Genetics, Biomarker and Diabetic Nephropathy - State of the art Lecture	Andrzej Krolewski, Joslin Diabetes Center, Boston, USA
<b>09:30 – 10:30</b>	SESSION 1: EXPERIMENTAL DIABETIC NEPHROPATHY	<b>Chairs: Gabriella Gruden, Christian Delles</b>
	Anti-inflammatory Reno-protective Effect of GLP-1 Receptor Agonists in Type 1 Diabetes: Shifting Macrophage Polarization from M1 to M2 Phenotype	Natalie Youssef
	Modulation of ROS-sensitive pathways by NOX4 and NOX5 in diabetic kidney disease	Jay C Jha
	AdipoR1 downregulation is observed in glomeruli in females with type 2 diabetes and induces apoptosis and CD2AP reduction in cultured podocytes	Sonja Lindfors
	VEGF-A: A Novel Mechanistic Link Between CYP2C-Derived EET and Nox4 in Diabetic Kidney Disease	Rachel Njeim
<b>10:30 - 11:00</b>	COFFEE BREAK	
<b>11:00 - 12:45</b>	SESSION 2: PROGRESSION PROMOTERS, HEART AND KIDNEY (EPIDEMIOLOGY)	<b>Chairs: Anna Solini, Hiddo Lambers Heerspink</b>
	Increasing number of type 2 diabetes-related risk factors on target, notably absence of albuminuria is associated with lower prevalence of structural brain abnormalities, better cognitive performance and lower risk of dementia	April C.E. van Gennip
	Cancer risk according to diabetic nephropathy status in individuals with type 1 diabetes	Maija Feodoroff
	Mechanisms of action of the SGLT2 inhibitor canagliflozin on tubular inflammation and damage: a mediation analysis of the CANVAS trial	Taha Sen (presented by Hiddo Heerspink)
	Distinct trajectories of estimated Glomerular Filtration Rate (eGFR) and the role of ethnicity on progression of kidney function decline in an ethnically diverse cohort of people with Type 1 diabetes	Anastasios Mangelis (presented by Nikolaos Fountoulakis)
	Medication profiles and fast kidney function decline in individuals with type 1 diabetes and normal AER at baseline	Raija Lithovius
	Prognostic role of diabetic kidney disease on 21-year all-cause mortality	Domenico Tricò
	Retinopathy as a risk marker for albuminuria, chronic kidney disease, and cardiovascular disease in persons with type 2 diabetes and normoalbuminuria	Viktor Rotbain Curovic
<b>12:45 – 14:00</b>	LUNCH	

## FRIDAY 27<sup>TH</sup> MAY 2022 AFTERNOON SESSION

<b>14:00 – 15:00</b>	POSTER SESSION	<b>Chair: Lars Stechemesser, Mark Cooper</b>
	Gastrointestinal symptoms and faecal calprotectin level in patients with type 1 diabetes and diabetic kidney disease	Fedulovs Aleksejs
	Increased DNA methylation of genes of proteasomal system in patients with type 1 diabetes and diabetic kidney disease	Jelizaveta Sokolovska
	Plin5 deficiency in podocyte negatively affects the communication between lipid droplets and mitochondria in Alport Syndrome.	Jin-Ju Kim (presented by Alessia Fornoni)
	Blood oxygen saturation is lower in diabetes compared with non-diabetes and associated with higher albuminuria. A population-based study of the Lolland-Falster Health Study cohort	Jens Christian Laursen (presented by tba)
	Relationship between genetic risk scores for T2DM and kidney function and adverse diabetes outcomes	David Galuška (presented by Kateřina Kaňková)
	Nox5 in human peripheral blood mononuclear cells - a potential biomarker for diabetic kidney disease and unstable vascular disease	K. Jandeleit-Dahm (presented by Jay C Jha)
	Changes in body composition after kidney-pancreas transplant in adults with type 1 diabetes.	Erika B Parente
	Long-chain polyphosphates cause a unique kidney injury phenotype and exacerbate LPS-induced acute kidney injury in mouse	Anniina Pirttiniemi
	Moderate versus light alcohol consumption is associated with a lower presence of microalbuminuria in individuals with, but not without, type 2 diabetes– The Maastricht Study	Frank CT van der Heide
	Cytochrome P450: Protagonists in the story of DKD	Batoul Dia
<b>15:00 – 15:30</b>	INVITED LECTURE 1	<b>Chair: Raimund Weitgasser</b>
	Pharmacogenomics - Is there a role in Diabetic Kidney Disease	Markus Paulmichl
<b>15:30 – 16:00</b>	COFFEE BREAK	
<b>16:00 – 17:15</b>	SESSION 3: EXPERIMENTAL DIABETIC NEPHROPATHY 2	<b>Chairs: Daniel Gordin, Federica Barutta</b>
	The Evolving Role of the LXR/mTOR Signaling Axis in Diabetes-induced Autophagy Alteration and Diabetic Kidney Disease	Sahar Alkhansa
	Tunnelling Nanotubes-Mediated Lysosome Transfer Protects Podocytes from Diabetes-Induced Injury.	Federica Barutta
	Elevated Nop-7-associated 2 expression in human chronic kidney disease and its link to dysregulated protein synthesis	Minjie Zhang
	Long noncoding RNA (lncRNA) in urinary exosomes to differentiate Diabetic Kidney Disease (DKD) from Non-diabetic kidney disease (NDKD)	Sujoy Ghosh (virtual)
	Alternative Splicing of the Apoptosis Gene Bcl-x in Diabetic Nephropathy	Monica Lamici Ayine
<b>17:15 – 18:15</b>	ANNUAL GENERAL MEETING OF THE EDNSG	
<b>20:00</b>	DINNER	

## SATURDAY 28<sup>TH</sup> MAY 2022

<b>09:00 – 09:30</b>	INVITED LECTURE 2	<b>Chair: Samy Hadjadj</b>
	The long and winding road to precision medicine in Diabetic Kidney Disease	Gert Mayer
<b>09:30 – 10:30</b>	SESSION 4: CLINICAL DIABETIC NEPHROPATHY: “OMICS”	<b>Chairs: Nicolae Panduru, Per-Henrik Groop</b>
	Urinary metabolites are associated with rapid kidney function decline in type 1 diabetes independent of currently used kidney health markers	Stefan Mutter
	Transcriptome profiling of formalin-fixed paraffin-embedded kidney samples from patients with diabetic kidney disease	Frederikke E. Sembach
	Associations between metabolomic profiles and kidney function decline in older people with Type 2 diabetes: the Edinburgh Type 2 Diabetes Study	Justina Krasauskaite (virtual)
	Uncovering molecular mechanisms of DKD using integrative transcriptome and proteome profiling of insulin-resistant human cell models	Abigail C Lay
<b>10:30 - 11:00</b>	COFFEE BREAK	
<b>11:00 - 12:00</b>	SESSION 5: EXPERIMENTAL DIABETIC NEPHROPATHY 3: GENETICS & EPIGENETICS	<b>Chairs: Niina Sandholm, Assam El-Osta (virtual)</b>
	DNA methylation at ten loci is a risk factor for kidney failure in individuals with type 1 diabetes and diabetic kidney disease	Anna Syreeni
	The insulin / IGF axis is critically important in the kidney podocyte and controls gene transcription and spliceosome function.	Jennifer A. Hurcombe (virtual)
	DNA methylation index for the risk of T1D nephropathy	Assam El-Osta (virtual)
	The genetic background predicts the kind of renal damage and fibrosis progression in diabetic patient	P. Pontrelli
<b>12:00 – 12:30</b>	INVITED LECTURE 3	<b>Chair: Lars Stechemesser</b>
	Kidney-Pancreas transplantation - Surgical repair or cure of type 1 diabetes?	Annemarie Weißenbacher
<b>12:30 – 13:30</b>	LUNCH	
<b>13:30 – 15:00</b>	SESSION 6: CLINICAL DIABETIC NEPHROPATHY, BIOMARKERS	<b>Chairs: Frederik Persson, Raimund Weitgasser</b>
	Estimated individualized treatment benefit of the SGLT2 inhibitor canagliflozin in patients with type 2 diabetes at high cardiovascular risk	Sok Cin Tye
	Interleukin-6 and kidney outcome in patients with type-2 diabetes: a post-hoc analysis of the CANVAS trial	Akihiko Koshino
	A feasibility study of [ 11 C]Telmisartan PET imaging to quantify individual differences in target-site exposure in diabetes patients in vivo	Sjoukje van der Hoek
	Calcitriol treatment does not improve left ventricular hypertrophy in patients with type 2 diabetes and stage 3 chronic kidney disease: results of a randomised controlled trial.	Luigi Gnudi
	Effects of butyrate supplementation on inflammation and kidney parameters in type 1 diabetes: A randomized, double-blind, placebo-controlled trial	Ninna Hahn Tougaard
	Dapagliflozin does not influence arterial stiffness or other bio-markers of arterial ageing in people with type 2 diabetes and kidney disease	Dimitra Stathi
<b>15:00 – 15:15</b>	BEST COMMUNICATIONS PRIZES AND CLOSURE OF THE MEETING	
<b>15:15</b>	END OF MEETING	