Bergen Meeting of Nephrology 2023
New Methods in Renal Pathology

Hotel Grand Terminus, Bergen, 20th – 22nd September 2023

Wednesday, Preconference Seminar, 20th September

16:00 – 18:00	Presentations of the Renal Research Group, UiB, Bergen and Pathology in West Norway PiV, Helse Vest	Øystein Solberg Eikrem
18:00 – 19:00	Opening lecture "IgA nephropathy: an update with particular emphasis of the MEST-C score"	Jürgen Floege, Germany
19:00 – 21:00	Welcome reception with drinks and food	

Thursday, 21st September 2023

09:00 – 09:10	Welcome	Hans-Peter Marti and Sabine Leh, Norway
09:10 – 10:10	Session 1: Machine learning and algorithm development in digital (nephro-)pathology I	Andrew Janowczyk, Hrafn Weishaupt
	Interactive tools for digital (nephro-)pathology	Andrew Janowczyk, Switzerland
	Cloud-based AI analysis suite for kidney pathology	Pinaki Sarder, USA
10:10 – 10:30	Fast forward industry presentations	Øystein Eikrem
10:30 – 11:00	Coffee break	
11:00 – 12:30	Session 2: Better visualization of kidney structures	Kerstin Amann, Sabine Leh
	Intravital multiphoton imaging of glomeruli	Kerstin Amann, Germany
	Development of an online cloud-based tool for automatic measurement of foot process width (FPW) using deep learning (DL): applications in assessment of podocyte injury in Fabry disease (FD)	Behzad Najafian, USA
	Super-resolution microscopy for quantification of foot process effacement	Nicole Endlich, Germany
12:30 – 13:30	Lunch	
13:30 – 15:30	Session 3: RNA and DNA extraction - single cell sequencing	Christos Chatziantoniou, Jessica Furriol
	Single cell sequencing and proteomics from archival tissue sections	Peter Horvath, Hungary
	Podocyte energy in disease: deciphering pathological mechanisms using RNA seq analysis	Christos Chatziantoniou, France
	Genotypic and phenotypic analysis of renal cancer for functional precision medicine	Vilja Pietiäinen, Finland

	Spatial transcriptomics at the University of Oslo in Norway	Leonardo Meza-Zepeda, Oslo
15:30 – 16:00	Coffee break	
16:00 – 17:30	Session 4: Reporting, biobanking and registries	Amélie Dendooven, Lea Landolt
	MRC Precision Medicine Project based on the NURTuRE biobank in the UK	Moin Saleem, UK
	The NYRETUB project leading to the Norwegian Renal Registry as a future tissue-, serum- and urine - based biobank for research?	Stein Hallan, Trondheim
	Structured reporting for generation of kidney biopsy datasets	Amélie Dendooven, Belgium
17:30 – 18:00	Coffee break	
18:00 – 19:00	Session 5: Machine learning and algorithm development in digital (nephro-)pathology II	Anirban Mukhopadhyay, Nazanin Mola
	Learning from limited labelled data for medical image segmentation	Michael Kampffmeyer, Tromsø
	Automatic quality control in federated pathology	Anirban Mukhopadhyay, Germany
19:00-19:30	Session 6: Handling of Big Data	Hans-Peter Marti
	EU COST Action-21165 Personalized Medicine in CKD: improved outcome based on big data	Joachim Jankowski, Germany
20:15	Dinner	

Friday, 22nd September, 2023

08:30 – 10:00	Session 7: Clinical applications of AI tools in (nephro)pathology diagnostics	Arvydas Laurinavicius, Justinas Besusparis
	Morphology based classification and beyond?	Cleo-Aron Weis, Germany
	Computational Models for Kidney Pathology Assessment	Arvydas Laurinavicius, Lithuania
	Segmentation of kidney structures	Pinaki Sarder, USA
10:00 – 10:30	Coffee break	
10:30 – 12:00	Session 8: Current opportunities and challenges in computational (nephro-)pathology	Peter Boor, Øystein Eikrem
	How can morphometry contribute to kidney biopsy evaluation?	Peter Boor, Germany
	TheODEn: Privacy-preserving federated pathology	Anirban Mukhopadhyay, Germany
	From promise to practice: Redefining kidney biopsy diagnostics through computational pathology	Jeroen van der Laak, Netherlands
12:00 – 14:00	Final remarks and lunch	Hans-Peter Marti