



ISN Forefronts Boston

September 11-14, 2014



Thursday, September 11, 2014

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| 17:00 - 17:15 | Welcome and Opening Remarks |
| 17:15 – 18:00 | SESSION 1: Personalized Genetic Medicine
<i>Chair: Joseph Bonventre, USA</i> |
| 17:15 – 18:00 | <i>Keynote lecture</i>
<i>“Monogenic causes reveal mechanisms of kidney disease”</i>
<i>Richard P. Lifton, USA</i> |
| 18:00 - 19:00 | <i>Welcome & Networking Reception</i> |

Friday, September 12, 2014

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| 08:30 – 10:30 | SESSION 2: Genome-Wide Association Studies and Epigenetics
<i>Chair: Jeffrey Kopp, USA</i> |
| 08:30 – 09:15 | <i>Keynote Lecture</i>
<i>“The future of GWAS for the study of pathogenesis”</i> |

09:15 - 09:45	<p><i>Joel Hirschhorn, USA</i> GWAS in renal disease</p>
09:45 - 10:15	<p><i>Caroline Fox, USA</i> Meta-analysis identifies multiple loci associated with kidney function-related traits in East Asian populations <i>Yukinori Okada, Japan</i></p>
10:15 – 10:45	<i>Coffee Break & Poster Viewing</i>
10:45 – 12:45	<p>SESSION 3: Renal Cystic Ciliopathies: From Genes and Signaling Pathways to Treatment <i>Chairs: Gregory Germino, USA and Dorien Peters, The Netherlands</i></p>
10:45 - 11:15	<p>Using broad genomic tools to identify mutations of MUC1 as causing MCKD1 <i>Mark Daly, USA</i></p>
11:15 - 11:45	<p>Polycystin-dependent inhibition and cilia-dependent activation of renal cyst growth <i>Stefan Somlo, USA</i></p>
11:45 – 12:15	<p>Protein complexes and ‘signalomes’ in renal ciliopathies <i>Peter Jackson, USA</i></p>
12:15 – 12:45	<p>Signaling pathways and therapeutic molecules in cystic kidney disease <i>Vicente Torres, USA</i></p>
12:45 - 14:45	<i>Networking Lunch & Poster Viewing</i>
14:45– 16:15	<p>SESSION 4: Animal Models of Genetic Renal Disease <i>Chair: Helen McNeill, Canada</i></p>
14:45 - 15:15	<p>Nephrotic Syndrome and soluble Flt1 <i>Susan Quaggin, USA</i></p>
15:15 - 15:45	<p>Lessons from mouse models of heart disease <i>Cecilia W. Lo, USA</i></p>

15:45 – 16:15 ***Coffee Break & Poster Viewing***

16:15 – 18:15 ***Oral presentations selected from abstracts***

The ciliopathy protein ANKS6 is the critical activator of NEK8 kinase, regulating situs determination, cardiopulmonary development and renal morphogenesis

16:15 - 16:30

Peter Czarnecki, USA

16:35 - 16:50

Mutations in DCDC2 cause nephronophthisis with hepatic fibrosis
Markus Schueler, USA

16:55 - 17:10

A high throughput mass spectrometry based test for medullary cystic kidney disease type 1
Daniel Gale, United Kingdom

17:15 - 17:30

Robo2 forms a protein complex with ILK and loss of robo2 alleviates the glomerular phenotype of ilk podocyte-specific knockout mice
Hila Milo Rasouly, USA

17:35 - 17:50

Podocyte MDM2 prevents P53 overactivation-related cell death (podoptosis), proteinuria, and glomerulosclerosis
Hans-Joachim Anders, Germany

17:55 - 18:10

Genetic analysis in aging inbred strains and diversity outbred mice identifies novel and networks for age-related kidney dysfunction
Ron Korstanje, USA

Saturday, September 13, 2014

08:30 – 10:15	SESSION 5: Zebrafish as model of (renal) disease <i>Chair: Weining Lu, USA</i>
08:30 – 09:15	<i>Keynote Lecture</i> <i>“Small molecule screening in zebrafish models of disease”</i> <i>Len Zon, USA</i>
09:15 - 09:45	Genetic disease models in zebrafish for screening of therapeutic compounds <i>Randolph T. Peterson, USA</i>
09:45 – 10:15	Zebrafish models of genetic nephrotic syndrome <i>Iain Drummond, USA</i>
10:15 – 10:45	<i>Coffee Break & Poster Viewing</i>
10:45 – 12:15	SESSION 6: Genetics of congenital Anomalies of the Kidney <i>Chair: Paola Romagnani, Italy</i>
10:45 - 11:15	Autosomal dominant causes of congenital anomalies of the kidneys and urinary tract (CAKUT) <i>Ali Gharavi, USA</i>
11:15 – 11:45	miRNA139a <i>Dontscho Kerjaschki, Austria</i>
11:45 – 12:15	Dosing of UMOD mediates premature ageing in the kidney <i>Olivier Devuyst, Switzerland</i>
12:15 – 14:15	<i>Networking Lunch & Poster Viewing</i>
14:15 – 16:15	SESSION 7: Nephrotic Syndrome (NS): Genetic Mechanisms <i>Chair: Tobias B. Huber, Germany</i>
14:15 – 14:45	Monogenic forms of nephrotic syndromes: new concepts

14:45 – 15:15	<i>Corinne Antignac, France</i> Insights into mechanisms from monogenic forms of nephrotic syndrome <i>Martin Pollak, USA</i>
15:15 - 15:45	AKT2 is essential to maintain podocyte viability and function during chronic kidney disease <i>Fabiola Terzi, France</i>
15:45 – 16:15	Abatacept in B7-1-positive proteinuric kidney disease <i>Peter Mundel, USA</i>

Sunday, September 14, 2014

09:00 – 11:15	SESSION 8: Stem Cells and Renal Cancer <i>Chair: Andrey Shaw, USA</i>
09:00 - 09:30	Lin28 and stem cells <i>George Daley, USA</i>
09:30 – 10:00	Cdk inhibitors in ciliopathies <i>Oxana Ibraghimov-Breskovnaya, USA</i>
10:00 - 10:30	Defective glucose metabolism in polycystic kidney disease identifies a new therapeutic strategy <i>Alessandra Boletta, Italy</i>
10:30 – 11:00	Genetic determinants of renal cancer metastasis <i>Sakari Vanharanta, USA</i>
11:00 - 11:15	Closing Remarks
11:15	Adjourn