
European Kidney Summer School 2019

(EUKISS 19)

From Renal Physiology to Kidney Disease

September 8 – 11, 2019 ::: University of Zurich – Irchel Campus

SUNDAY, 8.9.2019, Irchel Bar

18.00 – 18.45 KEYNOTE LECTURE:

Anna Köttgen (Freiburg i. Br): “**Understanding kidney function and disease through genetics**”

Followed by get-together with finger-food and drinks

MONDAY, 9.9.2019, rooms Y21F62-70

8.30 – 9.00 Registration and Welcome (Wagner/Loffing, Persson/Knauf, Warth)

SESSION 1: Vascular and glomerular function, chair: Richard Warth, Regensburg

9.00 – 9.35 Regulation of renal blood flow, Pontus Persson, Berlin

9.35 – 10.10 Glomerular function and repair, Mario Schiffer, Erlangen

10.10 – 10.40 Coffee break

SESSION 2: Tubular functions 1, chair: Frank Schweda, Regensburg

10.40 – 11.15 SGLT2 inhibition: from physiology to pharmacology, Volker Vallon, San Diego

11.15 – 11.50 SGLT2 inhibition and the heart, Stefan Wagner, Regensburg

11.50 – 12.05 Short communication: Role of the Vesicle Associated Protein (VAP) in ciliogenesis, Katrin Meindl, Regensburg

12.05 – 12.20 Short communication: Transcriptomic data analyses of kidneys from male and female pigs subjected to acute kidney injury (AKI) and validation of selected targets in the human proximal tubule derived epithelial cell (RPTEC) model. Stéphane Nemours, Barcelona

12.20 – 13.30 Lunch Break

SESSION 3: Tubular functions 2, chair: Heini Murer, Zurich

13.30 – 14.05 Renal control of sodium: relevance for blood pressure, Matthew Bailey, Edinburgh

14.05 – 14.40 The epithelial sodium channel (ENaC) in the aldosterone sensitive distal nephron (ASDN), Christoph Korbmayer, Erlangen

14.40 – 15.15 Renal potassium handling and blood pressure control: the distal convoluted tubule, Jan Loffing, Zurich

15.15 – 15.45 Coffee Break

SESSION 4: Seeing tubular functions: chair: Natsuko Tokonami, Zurich

15.45 – 16.20 Proximal tubular endocytosis, Andrew Hall, Zurich

16.20 – 16.55 Crosstalk between interstitium and tubule: Ina Schiessl, Aarhus

POSTER SESSION, Theatersaal

17.00 – 19.00 Poster and drinks

TUESDAY, 10. 9. 2018, Theatersaal

SESSION 5: Inflammation and fibrosis, chair: Christian Stockmann, Zurich

8.30 – 9.05 Oxygen sensing, fibrosis and inflammation, Sophie de Seigneux, Geneva

9.05 – 9.40 Origin of renal fibrosis, Matthias Mack, Regensburg

9.40 – 10.10 From crystals to inflammation and CKD, Felix Knauf, Berlin

10.10 – 10. 40 Coffee break

SESSION 6: Acid-Base and minerals, chair: Markus Bleich, Kiel

10.40 – 11.15 Renal acid excretion and dRTA, Stephen Walsh, London

11.15 – 11.40 The kidney and phosphate, Carsten Wagner, Zurich

11.40 – 12.15 Magnesium from bench to bedside, Uyen Huynh-Do, Bern

12.15 – 13.30 Lunch Break

SESSION 7: Electrolyte disorders, chair: Armin Kurtz, Regensburg

13.30 – 14.05 Hyponatremias, Ewout Hoorn, Rotterdam

14.05 – 14.40 Aldosterone, blood pressure and kidney disease, Ute Scholl, Berlin

14.40 – 15.15 Genetic disorders of tubular sodium and potassium handling, Detlef Bockenhauer, London

15.15 – 15.45 Coffee Break

SESSION 8: Epithelial function, chair: Carsten Scholz, Zurich

15.45 – 16.20 Function and regulation of the paracellular pathway, Markus Bleich, Kiel

16.20 – 16.55 Building epithelial barriers, Kai Schmidt-Ott, Berlin

16.55 – 17.10 Short communication: The deubiquitinase OTUB1 is a negative regulator of renal fibrosis, Julia Günter, Zurich

17.15 – 18.00 Clinical case workshop: acid-base disorders, (Mohebbi, Walsh, Knauf)

Dinner

19.00 Course dinner and bowling tournament, Ziegelhütte Zürich

WEDNESDAY, 11.9.2019, rooms Y21F62-70

SESSION 9: Tubulogenesis and cystic kidney disease, chair: Kerstin Amann, Erlangen

- 8.30 – 9.05 Tubulogenesis and normal renal development, Sören Lienkamp, Zürich
- 9.05 – 9.40 Cystic kidney disease, Björn Buchholz, Erlangen
- 9.40 – 10.15 Enhanced protein folding via XBP1 activation ameliorates ADPKD, Matteus Krappitz, Yale/Berlin

10.15 – 10.40 Coffee break

- 10.40 – 11.30 Clinical case workshop. Electrolytes and water (Hoorn, Bockenhauer)

SESSION 10: New trends in Kidney research, chair: Dominik Müller, Berlin

- 11.30 – 12.05 Microbiome and blood pressure, Nicola Wilck, Berlin
- 12.05 – 12.40 Cryo_EM to elucidate renal transporter mechanisms, Christine Ziegler, Regensburg
- 12.40 – 13.15 Structural plasticity of GPCRs, Duska Dragun, Berlin

- 13.15 Farewell (Wagner, Warth, Persson/Knauf)**

Lunch and departure