

# NCCR Kidney.CH Summer School 2018

## From Renal Physiology to Kidney Disease

September 9 – 12, 2018 ::: University of Zurich – Irchel Campus

### SUNDAY, 9.9.2018

18.00 – 18.45

**KEYNOTE LECTURE:**

**The kidney and nutrition, Denis Fouque, Lyon, France**

**Followed by get-together with snacks and drinks**

### MONDAY, 10.9.2018

8.30 – 9.00

Registration and Welcome

#### **SESSION 1: Vascular and glomerular function**

9.00 – 9.35

**Renal vasculature, Vartan Kurtcuoglu, Zurich**

9.35 – 10.10

**Glomerulum, Marcus Möller, Aachen**

**10.10 – 10.40 Coffee break**

#### **SESSION 2: Tubular functions 1**

10.40 – 11.15

**The endolysosomal system in health and disease, Olivier Devuyst, Zürich**

11.15 – 11.40

**Renal amino acid handling, François Verrey, Zurich**

11.40 – 12.25

**The kidney and potassium control, Johannes Loffing, Zurich**

**12.25 – 13.30 Lunch Break**

#### **SESSION 3: Tubular functions 2**

13.30 – 14.05

**Renal control of sodium, Matthew Bailey, Edinburgh**

14.05 – 14.40

**The kidney and water balance, Eric Feraille, Geneva**

14.40 – 15.15

**Paracellular transport along the nephron, Markus Bleich, Kiel**

**15.15 – 15.45 Coffee Break**

#### **SESSION 4: Oxygen**

15.45 – 16.20

**Oxygen sensing, Roland Wenger, Zurich**

16.20 – 16.35

**1 One short oral communication (tba)**

#### **POSTER SESSION**

16.35 – 18.30

**Poster and drinks**

## TUESDAY, 11. 9. 2018

### **SESSION 5: Control of kidney function**

8.30 – 9.05                    **Renin**, Armin Kurtz, Regensburg

9.05 – 9.40                    **Endocrine control of kidney function**, Frank Schweda, Regensburg

9.40 – 10.15                   **2 short oral communications**

**10.15 – 10.40 Coffee break**

### **SESSION 6: Minerals**

10.40 – 11.15                   **Renal calcium handling**, Pascal Houillier, Paris

11.15 – 11.40                   **Magnesium**, Uyen Huynh-Do, Bern

11.40 – 12.25                   **Phosphate: from deficiency to excess**, Carsten Wagner, Zurich

**12.25 – 13.30 Lunch Break**

### **SESSION 7: Electrolyte disorders**

13.30 – 14.05                   **Hyponatremias**, Ewout Hoorn, Rotterdam

14.05 – 14.40                   **Disorders of aldosterone**, Felix Beuschlein, Zurich

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

**15.15 – 15.45 Coffee Break**

### **SESSION 8: Crystals and drugs**

15.45 – 16.20                   **Kidney stones**, Olivier Bonny, Lausanne

16.20 – 16.55                   **Oxalate nephropathies**, Felix Knauf, Berlin

16.55 – 17.30                   **Drug toxicity**, Mark Perazella, New Haven

**17.30 – 18.15**                   **Small group case workshops: mineral and electrolyte disorders** (de Seigneux, Bonny, Hoorn)

**19.00**                                **Course dinner and bowling tournament**

**WEDNESDAY, 12. 9. 2018**

**SESSION 9: Acid-Base**

8.30 – 9.05                    **Metabolic acidosis and alkalosis**, Nilufar Mohebbi, Zurich

9.05 – 9.40                    **Renal acid excretion and dRTA**, Stephen Walsh, London

9.40 – 10.10                **2 short oral communications** (tba)

**10.10 – 10.40 Coffee break**

10.40 – 11.30                **Small group case workshop: acid-base disorders**, (Mohebbi, Walsh, Knauf)

**SESSION 10: Cellular signaling in the regulation of renal function and disease**

**11.30 – 12.05**                **Elucidation of signaling networks controlling renal salt transport**, Juliette Hadchouel, Paris

**12.05 – 12.40**                **TBA**

**12.40 – 13.30 Lunch Break**

**SESSION 11: New trends in Kidney research**

13.30 – 14.05                **2-Photon Microscopy** , Andrew Hall, Zurich

14.05 – 14.40                **Stem cells**, Sören Lienkamp, Freiburg i. Br./ Zurich

14.40 – 15.15                **2 short oral communications** (tba)

**Farewell**

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