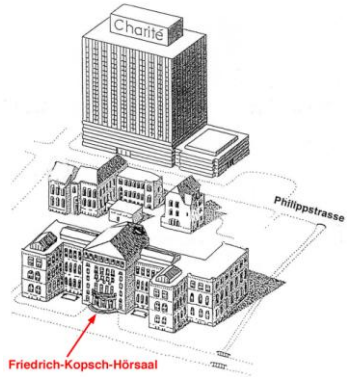


Locations

Friday, November 25, 2011

Charité, Institute of Anatomy, Philippstr. 12
10115 Berlin-Mitte
Friedrich-Kopsch-Hörsaal



Saturday, November 26, 2011

Max-Delbrück-Communications Center
Robert-Rössle-Str. 10, 13125 Berlin-Buch
C 83, Axon 2 Room (red building on the map)



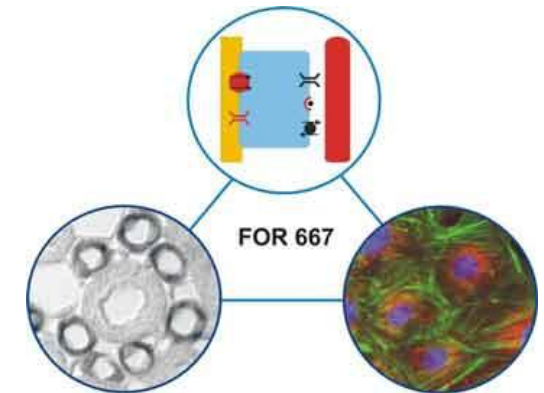
Organization

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Supported by:



Molecular pathways in kidney epithelial function

Concluding Symposium of the
DFG-Research Unit FOR 667

Charité, Institute of Anatomy
Friday, November 25, 2011

Max-Delbrück-Center
Saturday, November 26, 2011

Friday, November 25, 2011, Charité, Institute of Anatomy, Friedrich-Kopsch-Hörsaal

18.00 Welcome

Sebastian Bachmann, Charité, Institute of Anatomy

18.15-18.55 Keynote lecture

Sensing, signaling and sorting events in kidney epithelial cell physiology

Dennis Brown, Massachusetts General Hospital, Division of Nephrology, Boston, USA

19.00 Departure to the restaurant

Saturday, November 26, 2011, MDC, Axon 2

Session I. Handling of proteins and ions by the proximal tubule

Chair: Thomas Willnow

08.30-09.00

Proximal tubular secretion of anionic drugs and toxins

Gerhard Burckhardt, Georg-August-University Göttingen, Department of Physiology, Germany

09.00-09.30

Proteinuria: involvement of the proximal tubule?

Erik Ilsø Christensen, Aarhus University, Department of Anatomy, Section of Cell Biology, Denmark

Session II. Structure/function aspects of transporting epithelia A

Chair: Kai Schmidt-Ott

09.30-10.00

How to make a segmented tube: genetics of nephron patterning in development and disease

Andreas Schedl, University of Nice/Sophia Antipolis, INSERM U636, Centre de Biochimie, France

10.00-10.30

Molecular functions of nephrocystins

Gerd Walz, University of Freiburg, Department of Nephrology, Germany

10.30-11.00 Coffee break

Session II. Structure/function aspects of transporting epithelia B

Chair: Kai Schmidt-Ott

11.00-11.30

Claudin-2 and claudin-17: paracellular channels in renal epithelia

Michael Fromm, Charité-Universitätsmedizin Berlin, Institute of Clinical Physiology, Germany

Session III. Functions of the loop of Henle and juxtaglomerular apparatus

Chair: Thomas Jentsch

11.30-12.00

The enigmatic influence of salt intake on renin cells

Armin Kurtz, University of Regensburg, Institute of Physiology, Germany

12.00-12.30

Intrarenal purinergic signaling in the control of renal tubular transport

Jens Leipziger, Aarhus University, Institute of Anatomy, Water and Salt Research Center, Denmark

12.30-13.00

Claudin-16 defect in TAL changes morphology and function in downstream nephron segments

Markus Bleich, University of Kiel, Institute of Physiology, Germany

13.00-14.00 Poster discussion and lunch

Session IV. Distal nephron performances in renal volume regulation

Chair: Michael Bader

14.00-14.30

SPAK and WNK: positive AND negative regulators of salt transport

David Ellison, Oregon Health and Science University, Portland, USA

14.30-15.00

Regulated acid-base transport in the collecting duct

Carsten Wagner, University of Zurich, Institute of Physiology, Switzerland

15.00-15.30

Role of renal Pendrin in blood pressure regulation

Dominique Eladari, INSERM Unit 872, Paris, France

15.30-16.00

Proteolytic regulation of the epithelial sodium channel (ENaC) and (patho-)physiological implications

Christoph Korbmayer, Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU), Department of Cellular and Molecular Physiology, Germany

16.00-16.30 Coffee break

Session V. Aquaporins, Trafficking, and vasopressin

Chair: Enno Klußmann

16.30-17.00

Modulation of distal tubule function by vasopressin

Robert Fenton, Aarhus University, Water and Salt Research Center, Denmark

17.00-17.30

Activation of AQP2 trafficking bypassing the defective vasopressin receptor signaling in X-linked nephrogenic diabetes insipidus

Giovanna Valenti, Università degli Studi di Bari, Dipartimento di Fisiologia Generale e Ambientale, Bari, Italy

17.30-18.00

Congenital nephrogenic diabetes insipidus: do pharmacochaperones provide the cure?

Peter Deen, The Radboud University Nijmegen Medical Centre, Netherlands

Session VI. Key directives in renal volume regulation

18.00-18.30

The impact of renal epithelial sodium reabsorption on sodium distribution in the body

Friedrich Luft, Charité-Universitätsmedizin Berlin, Experimental and Clinical Research Center, Germany