

## Meeting venues

July 07, 08.30 h -13.30 h

Herzogssaal  
Domplatz 3  
93047 Regensburg  
www.herzogssaal.com



July 07, 15.30 h - July 09

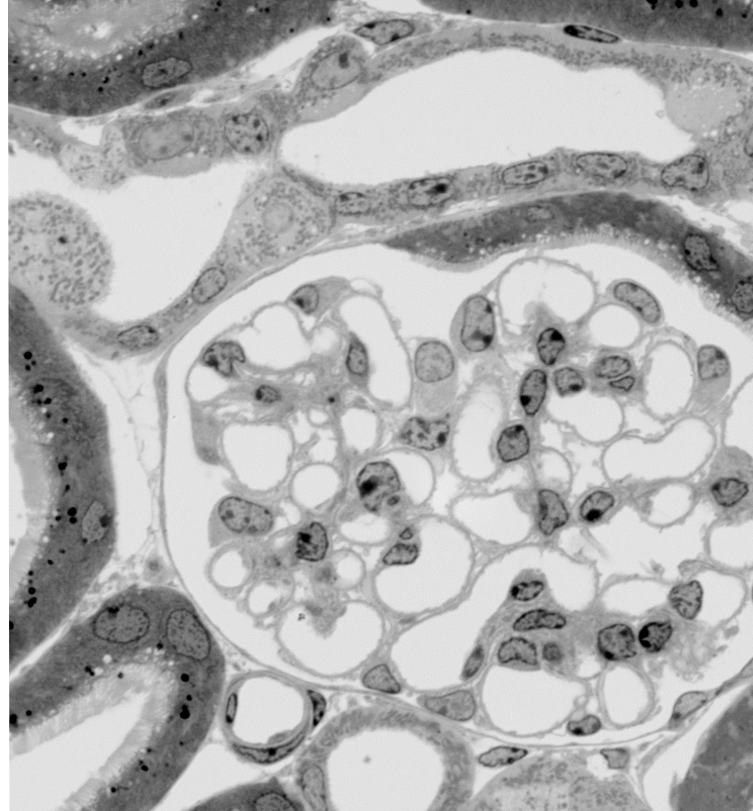
Westl. Naturwissenschaften  
Hörsaal H51  
Universität Regensburg  
48.994598, 12.094769



To attend, please register:  
<https://www.eukiss.org/>

### Organization and Meeting Office

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# EUKISS

European Kidney  
Summer School

Regensburg  
July 07-09, 2023



### Supported by



### Program committee

Constantin Dickel, Berlin  
Anna-Lena Forst, Regensburg  
Kamal Hamid, Zürich  
Björn Neubauer, Freiburg

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## Friday, July 7, 2023

### Part I: Joint Meeting Armin-Kurtz-Symposium - EUKISS 2023

Herzogssaal, Domplatz 3, 93047 Regensburg

#### 08.30 Registration

Chair: **Kai-Uwe Eckardt**, Berlin

09.00 **Sir Peter Ratcliffe**, Oxford:

Not without you, my favorite oxygen

09.40 **Anna Köttgen**, Freiburg:

I saw it in your genes

10.20 **Eckhard Wolf**, München:

Xenotransplantation - from bench to bedside

#### 11.00 Coffee break

Chair: **Frank Schweda**, Regensburg

11.20 **Andreas Draguhn**, Heidelberg:

Understanding the brain? Approaches and challenges of modern neurophysiology

12.00 **Peter Sandner**, Wuppertal:

cGMP signaling: From physiology to therapeutics

12.40 Concluding remarks

#### 12.45 Lunch

#### 13.30 City tour

### Part II: EUKISS 2023

Lecture Hall H51, Universität Regensburg

15.30 Registration

15.45 **Welcome**

16.00 **Keynote lecture: Hans-Joachim Anders**, München: Insights from an animal model of crystalline thrombotic microangiopathy of the kidney

17.00 Poster presentation I

18.00 Poster presentation II

#### 19.15 Get together, finger food & drinks

## Saturday, July 8, 2023

Lecture Hall H51, Universität Regensburg

#### 08.30 Registration and coffee

##### Inflammation and protein degradation

Chairs: **Frank Bienaimé**, Paris, and **Simone Reichelt-Wurm**, Regensburg

08.45 **Diana Dudziak**, Erlangen:

Dendritic cells in steady state and inflammation - why they might be important in the kidney

09.15 **Amandine Viau**, Paris: Role of cilia inflammatory signaling in kidney diseases and response to bacteria

09.45 **Catherine Meyer-Schwesinger**, Hamburg:

The proteasome modulates endocytosis in a glomerular cell type specific modality to secure kidney filtration

10.15 **Adrian Preiß**, Regensburg: Interactive cases

#### 10.45 Coffee break

##### A deep dive into RAAS and hypertension

Chairs: **Carsten Wagner**, Zürich, and **Katharina Broeker**, Regensburg

11.15 **Boye Jensen**, Odense:

Renin and Regensburg - a love story

11.45 **Hannah Kröger**, Dresden: Therapeutic modulation of glomerular hemodynamics by ACE and SGLT2 inhibition

12.15 **Gabriel Stölting**, Berlin: Primary aldosteronism

12.45 **Christoph Kopp**, Erlangen: Interactive cases

#### 13.15 Lunch

##### Innovative approaches and personalized medicine

Chairs: **Björn Buchholz** and **Sara Afonso**, Erlangen

14.15 **Ben Davies**, London: Genetic engineering: CRISPR tools in mice and cells

14.45 **Andreas Kurtz**, Berlin: Human kidney organoids and kidney models from pluripotent stem cells

15.05 **Christoph Kopp/Armin Nagel**, Erlangen:

Magnetic resonance imaging of tissue ion concentrations

#### 15.25 Coffee break

##### Tubulointerstitial kidney diseases

Chairs: **Felix Knauf**, Berlin, and **Kathrin Skoczynski**, Erlangen

15.45 **Mark Perazella**, New Haven: Onco-nephrology: Cancer, drugs and tubulointerstitial injury

16.15 **Harald Mischak**, Hannover: The urine proteome/peptidome mirroring kidney health: application in guiding intervention

16.35 **Michael Wiesener**, Erlangen: Hereditary tubulointerstitial kidney diseases (of the adult)

#### 19.15 Dinner (Parkhotel Maximilian)

## Sunday, July 9, 2023

Lecture Hall H51, Universität Regensburg

#### New findings from early career scientists

Chairs: **Kerstin Amann**, Erlangen, and **Katrin Meindl**, Regensburg

08.30 **Kilian Rhein**, Freiburg: Clonal variability of wild-type cells - a potential pitfall in genome editing

08.45 **Eva Vonbrunn**, Erlangen: Diagnostic and therapeutic relevance of the complement system in renal transplantation

09.00 **Frederick Sinha**, Regensburg: Tubular effects of SGLT2 inhibitors

09.15 **Ana Najenson**, Berlin: Role of the SLC26a6 transporter in oxalate crystal clearance by macrophages

09.30 **Olga Lempke**, Zürich: The molecular identity of erythropoietin-producing cells in healthy, fibrotic and PHI-treated mice

09.45 **Kristina Elsner**, Regensburg: Fibronectin deficiency in newborn mice leads to the loosening of the interstitium in the kidney

10.00 **Stephanie Naas**, Erlangen: Transcriptional autoregulation of hypoxia-inducible factor-2 $\alpha$

10.15 **Leonie Dreher**, Hamburg: Deficiency of complement C3A and C5a receptors and hypertension

#### 10.30 Poster award

#### 10.50 Coffee break

#### Bioinformatics, advanced image analysis, and AI

Chairs: **Michael Köttgen**, Freiburg, and **René Krüger**, Erlangen

11.20 **Bettina Finzel**, Bamberg: Introduction to explainable artificial intelligence for medicine: Methods and application

11.45 **Irina Bigoulaeva**, Darmstadt: ChatGPT and GPT-4: Limits and possibilities

12.05 **Dorit Merhof**, Regensburg: Deep learning and "pathomics" in renal pathology

12.30 **Stefan Uderhardt**, Erlangen: Multiscale imaging for a quantitative understanding of tissue organization and functional anatomy

12.55 **Kira Stanzick**, Regensburg: KidneyGPS: A web application to help prioritize kidney function genes and variants based on evidence from genome-wide association studies

#### 13.15 Concluding remarks: Richard Warth, Regensburg

#### 13.20 Lunch bags, finger food