



ERC CSG 2025

European renal cell study group

3-6
APR
2025

MEETING Agenda

www.ercsg2025.com

Ercsg2025@med.uni-greifswald.de

Institute of Anatomy and Cell Biology
University Medicine Greifswald





ERCSG2025

European renal cell study group

Thursday | April 3 | 2025

- 15:00 ● Check-In
- 18:00 ● **Welcome speech from Nicole Endlich**
- 18:10 ● **Overview of the ERCSG History from Christos Chatziantoniou**
- 18:20 ● **First Session on Thursday Evening**
Chairs: Christos Chadjichristos / Sanna Lehtonen
Speaker:
Satu Kuure (University of Helsinki)
"Kidney growth *in utero* – cellular and molecular mechanisms updated"
Dmitry Tsvetkov (University Medicine Greifswald)
"TRPC6 and kidney fibrosis"
Anders Kristensen (Aarhus University)
„Fibrosis does not cause *de novo* tubule injury and atrophy of uninjured tubules after acute kidney injury"
- 19:05 ● **Opening Remarks from Uwe Reuter**
(Board & Medical Director of the University Medicine Greifswald)
- 19:15 ● **Key Lecture: Andreas Greinacher**
(University Medicine Greifswald)
"From being denied to worldwide public attention - the journey of a career-long research project"
- 20:00 ● Dinner at the Orangerie



ERC SG 2025

European renal cell study group

Friday | April 4 | 2025

06:30 ● Early morning jogging with Tim Lange

08:15 ● **Key Lecture: Victor Puelles**
(University Medical Center Hamburg-Eppendorf)
"Decoding tissues across biological scales"

08:45 ● **Session: AKI, inflammation and tubular defects**
Chairs: Satu Kuure / Gerald Braun

Speaker:

Harry Holthöfer (Helsinki University Hospital)
"APAC, a heparin proteoglycan mimic, a potent von Willebrand Factor-mediated antithrombotic inhibits experimental acute kidney injury (AKI)"

Richard W. Naylor (University of Manchester)
"Integrin alpha1 beta1 promotes interstitial fibrosis in a mouse model of polycystic kidney disease"

Wolfgang H. Ziegler (Hannover Medical School)
"Mechanisms of epithelial cyst formation studied in *Pkhd1*-KO cells"

Sabine Brandt (Otto-von-Guericke University Magdeburg)
"The dual role of YB-1 in inflammation and immune modulation"

Stefanny Figueroa (Tenon Hospital Paris)
"Renal and Heart Damage are CD146-Dependent after Renal Ischemia-Reperfusion in Mice"

Christoph Schell (University of Freiburg)
"Arp2/3 complex-dependent regulation of the primary cilium governs adaptive responses of tubular epithelial cells in kidney disease"

Pierre-Louis Tharaux (INSERM Paris)
"Epithelial metabolism at the crossroads with kidney inflammation and fibrosis"

10:30 ● Coffee Break

10:55 ● **Key Lecture: Rachel Lennon**
(University of Manchester)
"Podocyte and matrix pathology in Alport syndrome"



ERC CSG 2025

European renal cell study group

Friday | April 4 | 2025

11:25

Session: Glomerular Cells: Podocytes and PECs

Chairs: Rachel Lennon / Dmitry Tsvetkov

Speaker:

Felix Kliewe (University Medicine Greifswald)

"Podocytes under pressure: How do podocytes sense mechanical strain?"

Francescapaola Mattias (University Medicine Greifswald)

"Exploring alternative splicing in kidney disease: From podocytes to zebrafish larvae"

Anna Sola (IDIBELL Barcelona)

"Colony stimulating factor-1 receptor as a key driver of parietal epithelial cell activation in focal segmental glomerulosclerosis"

Magdalena Westermann (Christian Albrechts University Kiel)

"Lysosomal Cathepsin B assists to withstand mechanical stress in podocytes"

Karlhans Endlich (University Medicine Greifswald)

"Numerical flow simulations of the shear stress forces arising in filtration slits during glomerular filtration in rat kidney"

12:40

Session: Young Investigator (5 min talks)

Speaker:

Lin Juntao (University Medicine Greifswald)

"Electrophysiological properties of KCNQ channels: Focus on subunit interactions and novel drugs"

Lu Liming (University Medicine Greifswald)

"Novel genetically encoded biosensors in arterial tone regulation by perivascular adipose tissue: Focus on sex, KCNQ5, and nerve endings"

Hu Tian (University Medicine Greifswald)

"Single-Cell Omics markers and aging clocks in CKD in the MV-Fit and SHIP-Age studies and in a CKD mouse model (5/6 Nephrectomy)"

Qidi Zhai (University Medicine Greifswald)

"Endothelial cell regulation of inflammation: nephroprotective mechanisms of TRPC6 inhibition"

Niklas Hillig (University Medicine Greifswald)

"The aged heart: What spatial transcriptomics can tell us?"

13:15

Lunch at the Orangerie



ERC SG 2025

European renal cell study group

Friday | April 4 | 2025

14:15

Key Lecture: Tobias Huber

(University Medical Center Hamburg-Eppendorf)

"From Discovery to Treatment"

14:45

Session: Mechanisms and Therapeutic Targets in Kidney Disease

Chairs: Tobias Huber / Peter Mertens

Speaker:

Johannes Roeles (Hannover Medical School)

"Patient cyst type composition predicts responsiveness to therapeutic intervention in autosomal polycystic kidney disease"

Li Li (Hospital of the Ludwig-Maximilians-University Munich)

"The dual role of hyperuricemia and hyperglycemia in mice with CKD"

Mairon Trujillo Miranda (Christian Albrechts University Kiel)

"Cathepsin B alleviates the development of focal segmental glomerulosclerosis"

Konstantinos Karyiotakis (RWTH Aachen University)

"The Role of Macrophage Migration Inhibitory Factor and D-Dopachrome Tautomerase in Focal Segmental Glomerulosclerosis"

Irina Simonova (University Hospital Carl Gustav Carus Dresden)

"Progressive tubular damage through constitutive activation of the NF- κ B pathway in renin lineage cells"

Akua O. Annon (University Hospital Carl Gustav Carus Dresden)

"Kidney phenotype of adult mice with ablated renin-producing cells in adult kidney"

Anne-Lison von Nagel (INSERM Paris)

"Carabin protects from the progression of chronic kidney disease"

Carine J. Peutz-Kootstra (Gelre ziekenhuizen Apeldoorn)

"Increased risk of renal cell carcinoma in mild chronic kidney disease: Findings from the lifelines cohort"

16:45

Coffee Break



ERC SG 2025

European renal cell study group

Friday | April 4 | 2025

17:05

Key Lecture: Miriam Banas

(University Hospital Regensburg)

"Nephrological training in Germany - Quo vadis?"

17:30

Session: Fibrosis, PTECs and renal injuries

Chairs: Moh Daha / Christos Chatziantoniou

Speaker:

Michael Zeisberg (University Medical Center Göttingen)

"Alström Syndrome protein 1 (ALMS1) in kidney fibrosis"

Daphne Bouwens (RWTH Aachen University)

"Integrated *in vitro* atlas for fibrosis modelling using iPSC-derived kidney organoids"

Lea Herkens (RWTH Aachen University)

"The Role of D-DT (MIF-2) in kidney fibrosis"

Tim Caspers (RWTH Aachen University)

"Molecular imaging of kidney fibrosis using PDGFR- β specific fibrobody"

Marta Ruiz-Ortega (Universidad Autónoma Madrid)

"CCN2 activates cellular senescence leading to kidney fibrosis in folic acid-induced experimental nephropathy"

Charlotte Reichardt (Otto-von-Guericke University Magdeburg)

"Regulation of ferroptosis and antioxidant defense by DNA-binding protein-A in renal ischemia reperfusion injury"

Jacob van den Born (University Medical Center Groningen)

"Renal tubular syndecan-1; (patho-)physiology and target for intervention"

19:30

Key Lecture: Nicole Endlich

(University Medicine Greifswald)

"Super-resolution microscopy and PEMP: a new era of imaging in kidney research and diagnostics"

20:00

Dinner at the Orangerie



ERC SG 2025

European renal cell study group

Saturday | April 5 | 2025

- 08:00 ● Bus Trip to Greifswald
- 10:05 ● **Key Lecture: Soeren Lienkamp**
(University of Zurich)
"Tubules and tadpoles – An unconventional model for cystic kidney disease"
- 10:35 ● **Session: Disease and Therapy Models**
Chairs: Jochen Reiser / Miriam Banas
- Speaker:
- Maximilian Schindler** (University Medicine Greifswald)
"A novel method to isolate zebrafish larval glomeruli for 3-D immunofluorescence and RNA extraction"
- Richard W. Naylor** (University of Manchester)
"Development of an angiotensin II induced acute kidney injury model in zebrafish"
- Tim Lange** (University Medicine Greifswald)
"Exosomes as a source for non-invasive biomarkers and as potential therapeutic vehicles in chronic kidney disease"
- Hildo C. Lantermans** (University of Amsterdam)
"Urine derived neonatal kidney stem/progenitor cells from healthy donors as a novel source for efficient propagation of kidney tubular organoids"
- Sanna Lehtonen** (University of Helsinki)
"A new glucose uptake enhancing compound protects kidney cells from injury"
- Sante Princiero Berlingerio** (Amsterdam UMC)
"Improving energy metabolism in cystinosis kidney cells"
- Gerald Braun** (RWTH Aachen University)
"Serotonin receptor HTR2A drives parietal epithelial cell activation in glomerular disease downstream of platelet activation"
- 12:25 ● Lunch (Lunchboxes) & Guided Tour of the Anatomy Department
- 13:00 ● Walk through Greifswald towards the Pomeranian State Museum
- 14:00 ● **Key Lecture: Jochen Reiser**
(University of Texas Medical Branch)
"All about suPAR"



ERC SG 2025

European renal cell study group

Saturday | April 5 | 2025

14:30

Wolfgang Blank

(Minister for Economic Affairs, Infrastructure, Tourism and Labour in MV)

Dagmar Waltemath

(University Medicine Greifswald)

Carsten Richter

(EUROIMMUN Medizinische Labordiagnostika AG)

15:00

Coffee Break

15:15

Session: CKD, Omics and uPAR

Chairs: Tim Lange / Michael Zeisberg

Speaker:

Florian Siegerist (University Medicine Greifswald)

"Mesangial cell injury drives chronic kidney dysfunction in JAK2-mutated myeloproliferative neoplasms"

Arianne van Koppen (TNO Leiden)

"Treatment and modulation of a novel cardiovascular-KIDNEY-metabolic syndrome mouse model"

Christian Hinze (Hannover Medical School)

"High resolution transcriptomics in renal disease"

Sylvia Stracke (University Medicine Greifswald)

"suPAR adsorption in a patient with primary FSGS - first experience in man"

Björn Tampe/Samy Hakrrouch (University Medical Center Göttingen)

"Complement receptor C5aR1 correlates with inflammatory responses driven by glomerular uPAR upregulation in renal vasculitides"

Ahmed Elwakiel (University of Leipzig Medical Center)

"Factor XII-uPAR interaction drives oxidative DNA damage and senescence in kidney tubular cells under hyperglycemic conditions"

Nele Friedrich (University Medicine Greifswald)

"Insight into renal handling and detection of metabolites associated with normal kidney function: Cross-fluid metabolomics"

17:00

Coffee Break

17:15

Key Lecture: Peter Mertens

(Otto-von-Guericke University Magdeburg)

"Gameful detection of your health status"



ERC SG 2025

European renal cell study group

Saturday | April 5 | 2025

- 17:35 ● **Announcement for the ERC SG Meeting 2026**
 - 17:40 ● **Final Remarks from Minister Stefanie Drese**
(Minister for Social Affairs, Health and Sport)
 - 17:45 ● Journey back to Fleesensee
 - 20:00 ● Dinner
 - 21:00 ● Award ceremony & Party with Djane Nicole Endlich
-

Sunday | April 6 | 2025

- 06:00 ● Bus Shuttle to Berlin #1
- 10:00 ● Bus Shuttle to Berlin #2
- 12:00 ● Latest Check-Out



ERC CSG 2025

European renal cell study group

We sincerely appreciate and thank our sponsors for their generous support!



Deutsche
Forschungsgemeinschaft

EUROIMMUN



cells



Ottersche Stiftung
für nephrologische Forschung
Ottersche-Stiftung.de

sebia

Evolve
THE MANAGED FINANCE COMPANY



NIPOKA



S Sparkasse
Vorpommern

Einfach. Sicher. Besser.