10th INTERNATIONAL PODOCYTE CONFERENCE
FROM MOLECULAR UNDERSTANDING TO NOVEL THERAPIES
June 4th – 6th, 2014

Preliminary Program

CHAIRS
Tobias B. Huber, Freiburg
Thomas Benzing, Cologne

VENUE
Audotorium Albert-Ludwigs University, Freiburg

International Podocyte Advisory Scientific Committee
Harry Holthöfer • Lawrence B. Holzman • Karl Skorecki • Wilhelm Kriz • Peter Mathieson • Susan E. Quaggin • Jochen Reiser • Stuart Shankland

We gratefully acknowledge support by:

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### WEDNESDAY – JUNE 4\textsuperscript{th}, 2014

**Registration will be open from 2:00 p.m. - 7:00 p.m.**

11:00 a.m. – 1:30 p.m.  
**NephCure Satellite-Symposium: Academia meets Pharma**

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<th>Session I:</th>
<th>Opening &amp; Key Note Lecture</th>
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| 4:00 p.m. - 4:15 p.m. | **Welcome & Opening Remarks**  
Tobias B. Huber & Thomas Benzing  
Chairs of the Conference |
| 4:15 p.m. – 5:00 p.m. | **Key Note Lecture: VEGF and Glomerular Biology**  
Susan E. Quaggin  
*Northwestern University, Chicago, USA* |

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<th>Session II:</th>
<th>Glomerular Crosstalk</th>
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| Chair:      | Susan E. Quaggin – *Northwestern University, Chicago, USA*  
Peter Mathieson – *Academic Renal Unit, University of Bristol, UK* |
| 5:00 p.m. - 5:25 p.m. | **“PEC / Podocyte / EC”**  
Pierre Louis Tharaux  
*Paris Cardiovascular Research Center (PARCC), Paris, France* |
| 5:25 p.m. - 5:50 p.m. | **“GBM / Podocyte”**  
Jeffrey H. Miner  
*Washington University in St. Louis, USA* |
| 5:50 p.m. - 6:05 p.m. | Short Talk 1 |
| 6:05 p.m. - 6:20 p.m. | Short Talk 2 |
| 6:20 p.m. - 8:00 p.m. | Get together  
Fingerfood & Drinks |

### THURSDAY - JUNE 5\textsuperscript{th}, 2014

**Session III: New insights from genetics I (Epigenetics and population genetics)**

| Chair: | Harry Holthöfer – *Haartman Institute, University of Helsinki, Finland*  
Randy S. Levinson – *Editor Nature Medicine, New York, USA* |
| 8:00 a.m. - 8:25 a.m. | **“Guest lecture on epigenetics & podocytes”**  
Asifa Akthar  
*Max Planck Institute of Immunobiology and Epigenetics, Freiburg, Germany* |
| 8:25 a.m. - 8:50 a.m. | **“Renal epigenetics”**  
Katalin Susztak  
*University of Pennsylvania, Philadelphia, USA* |
| 8:50 a.m. - 9:15 a.m. | **“ApoL1”**  
Jeffrey B. Kopp  
*National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Bethesda, USA* |
| 9:15 a.m. - 9:40 a.m. | **“PodoNet & EURenOMICS Consortia”**  
Franz Schäfer  
*Heidelberg University Hospital, Germany* |
9:40 a.m. - 10:10 a.m.  Coffee break

Session IV:  New insights from podocyte genetics II (Monogenetic Diseases)

Chair:  Michelle Winn – Duke University, USA
        Corinne Antignac – Necker Hospital, Paris, France

10:10 a.m. - 10:35 a.m.  “New gene discoveries I”
                        Martin Pollak
                        Harvard Medical School, Boston, USA

10:35 a.m. – 11:00 a.m.  “New gene discoveries II”
                        Friedhelm Hildebrandt
                        Harvard Medical School, Boston, USA

11:00 a.m. - 11:15 a.m.  Short Talk 3: Novel gene mutation causing renal failure and “de novo” membranous nephropathy post transplantation
                        Rachel Lennon
                        University of Manchester, UK

11:15 a.m. - 11:30 a.m.  Short Talk 4

Session V:  Podocytes & Cytoskeleton

Chair:  Gerd Walz - University Medical Center, Freiburg, Germany
        Jie Ding - Peking First Hospital, Beijing, China

11:45 a.m. - 12:05 p.m.  “Dynamin”
                        Sanja Sever
                        Harvard Medical School, Boston, USA

12:05 p.m. - 12:25 p.m.  “PKC & Cytoskeleton”
                        Mario Schiffer
                        Hannover Medical School, Hannover, Germany

12:25 p.m. – 1:30 p.m.  Lunch Break

Session VI:  Cell metabolism, mTOR & glomerular biology

Chair:  Erwin P. Böttinger - Mount Sinai Hospital, New York, USA
        NN - JCI Editor

1:30 p.m. - 1:55 p.m.  “Insulin signaling & podocytes”
                        Richard Coward
                        Academic Renal Unit, University of Bristol, UK

1:55 p.m. - 2:20 p.m.  “mTORC1 & podocytes”
                        Ken Inoki
                        University of Michigan, USA

2:20 p.m. - 2:45 p.m.  “mTORC2 & podocytes”
                        Fabiola Terzi
                        Necker-Enfants Malades Institute, Paris, France

2:45 p.m. - 3:00 p.m.  “Mitochondrial metabolism & podocytes”
                        Paul Brinkötter
                        University Hospital Cologne, Germany
3:00 p.m. - 3:15 p.m.  Short Talk 5
3:15 p.m. - 4:30 p.m.  Coffee break & Poster Session I

Session VII:  Podocyte Regeneration

Chairs:  Wilhelm Kriz - Institute of Anatomy, University of Heidelberg, Germany
         Hermann Pavenstädt – Medical Division D, University of Münster, Germany

4:30 p.m. - 4:55 p.m.  “Limits of regeneration”
Marcus J. Möller
University Hospital Aachen, Germany

4:55 p.m. - 5:20 p.m.  “Potentials of regeneration”
Paola Romagnani
University of Florence, Italy

5:20 p.m. - 5:45 p.m.  “Renin producing cells as new progenitors”
Stuart Shankland
University of Washington, Seattle, USA

5:45 - 6:00 p.m.  Short Talk 6: Novel techniques to quantify podocyte turn over
Nicola Wanner
University Medical Center, Freiburg, Germany

6:00 p.m. - 6:05 p.m.  Closing remarks & announcements

7:30 p.m.  Conference Dinner at the Historical Merchants Hall
The Podocyte Science Award
Awardee-Lecture (15min)
Best Abstract Award

FRIDAY - JUNE 6th, 2014

Session VIII:  Slit Diaphragm (SD) & glomerular function

Chairs:  Karl Tryggvason – Department of Medical Biochemistry and Biophysics,
         Karolinska Institute, Stockholm, Sweden
         NN - Editor JASN

8:15 a.m. - 8:40 a.m.  “Signalling at the SD”
Lawrence B. Holzman
University of Pennsylvania, Philadelphia, USA

8:40 a.m. - 9:05 a.m.  “Neph-Nephrin proteins”
Florian Grahammer
University Medical Center, Freiburg, Germany

9:05 a.m. - 9:30 a.m.  “Nephrocytes: Novel tools for genome-wide analysis of SD function”
Zhe Han
University of Michigan, USA

9:30 a.m. - 9:45 a.m.  Short Talk 7

9:45 a.m. - 10:15 a.m.  Coffee break
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<th>Session IX: Translational Glomerular Medicine</th>
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| Chairs: Thomas Benzing – University Hospital Cologne, Germany  
NN - Editor NEJM |
| 10:15 a.m. - 10:40 a.m. “miRNA & FSGS”  
Dontscho Kerjaschki  
Medical University Vienna, Austria |
| 10:40 a.m. - 11:05 a.m. “suPAR & FSGS”  
Jochen Reiser  
Rush University Medical Center, Chicago, USA |
| 11:05 a.m. - 11:30 a.m. “Ang4 & MCD”  
Sumanth S. Chugh  
UAB School of Medicine, Birmingham, USA |
| 11:30 a.m. - 11:55 a.m. “PLA2R & MGN”  
David J. Salant  
Boston Medical Center, Boston, USA |
| 11:55 a.m. - 12:20 p.m. “Preeclampsia”  
Ravi Thadhani  
Harvard Medical School, Boston, USA |
| 12:30 p.m. - 1:30 p.m. Lunch Break |

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<th>Session X: Will new techniques lead the path?</th>
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| Chairs: Jürgen Floege - University Hospital Aachen, Germany  
Detlef Schlöndorff - Editor in Chief Kidney International |
| 1:30 p.m. - 1:55 p.m. “Intravital 2-Photon Imaging”  
Janos Peti Peterdi  
University of Southern California, USA |
| 1:55 p.m. - 2:20 p.m. “Personalized Medicine”  
Andrey Shaw  
Washington University School of Medicine, USA |
| 2:20 p.m. - 2:45 p.m. “Systemsbiology/ Neptune”  
Matthias Kretzler  
University of Michigan, USA |
| 2:45 p.m. - 3:00 p.m. Short talk 8: “Primary Podocyte Proteomics I”  
Markus Gödel  
University Medical Center, Freiburg, Germany |
| 3:00 p.m. - 3:15 p.m. Short talk 9: “Glomerular Functional Proteomics II”  
Markus Rinschen  
University Hospital Cologne, Germany |
<p>| 3:15 p.m. - 4:30 p.m. Coffee break &amp; Poster Session II |</p>
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<th>Session XI:</th>
<th>Immunological podocyte disorders &amp; Late Breaking News</th>
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| Chair:     | Karl Skorecki – Rambam Health Care Campus, Haifa, Israel  
Lorenz Sellin – University Hospital Düsseldorf, Germany |
| 4:30 p.m. - 4:50 p.m. | “B7 – Targeted therapy for proteinuric kidney disease”  
Peter Mundel  
Harvard Medical School, Boston, USA |
| 4:50 p.m. - 5:10 p.m. | “Complement & podocyte disease”  
Berend Isermann  
University of Magdeburg, Hannover, Germany |
| 5:10 p.m. - 5:30 p.m. | “BDNF & podocyte”  
Maria Pia Rastaldi  
Renal Research Laboratory, Milano, Italy |
| 5:30 p.m. - 5:45 p.m. | Short Talk 10 |
| 5:45 p.m. - 6:00 p.m. | Short Talk 11 |
| Closing Remarks: | Tobias B. Huber & Thomas Benzing |
| 19:30 p.m. | Speakers Dinner  
Winery near Freiburg |