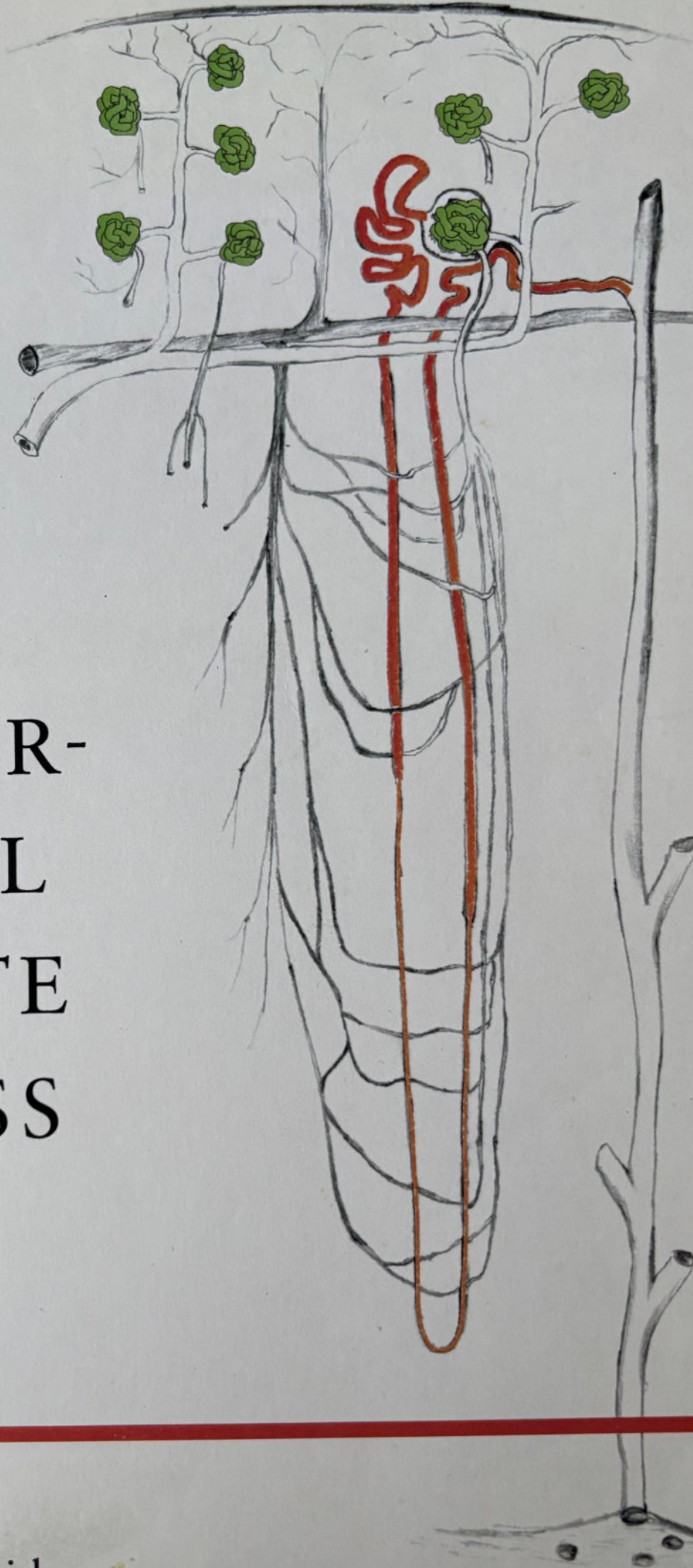


8–11 June 2006
Biomedicum, Helsinki,
Finland

6TH INTERNATIONAL PODOCYTE CONGRESS

Translational Research
from Labbench to Bedside





6TH INTERNATIONAL PODOCYTE CONGRESS

TRANSLATIONAL RESEARCH FROM THE LABBENCH TO BEDSIDE

8-11th June, 2006 Helsinki, Finland

CONGRESS PRESIDENT: H Holthöfer, Helsinki

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Thomas Benzing (Freiburg, Germany)
Thomas Coffman (Chapel Hill, USA)
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Fujio Shimizu (Niigata, Japan)
Kevin Lemley (Los Angeles, USA)
Jordan Kreidberg (Boston, USA)

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6TH INTERNATIONAL PODOCYTE CONGRESS

TRANSLATIONAL RESEARCH FROM LABBENCH TO BEDSIDE

Programme

Thursday, 8 June 2006, Biomedicum, Helsinki

- 14:00 WELCOMING WORDS AND INTRODUCTION
Harry Holthöfer (Helsinki)
- 14:15–15:00 **Dontscho Kerjaschki** (Vienna),
“Podocyte taking the stage”
- 15:00–18:00 SYMPOSIUM I
Chairs: Wilhelm Kritz, Laura Barisoni
- Glomerular development, podocyte structure and signaling*
Hannu Sariola (Helsinki), “Development of
the Glomerulus”
Thomas Benzing (Freiburg), “Signalling at the Slit
Diaphragm”
Kai Simons (Dresden), “Lipids in Signalling”
- Basic research/experimental models of glomerular disease*
Susan Quaggin (Toronto), “Animal Models in Podocyte
Research”
Erwin Bottinger (New York), “Experimental Models of
Diabetic Nephropathy”
Matej Oresic (Helsinki), “Metabolomics in Bioresearch”
- 19:00 “GET TOGETHER” AT BIOMEDICUM HELSINKI

Friday, 9 June 2006, Biomedicum, Helsinki

8:30-9:15 PLENARY LECTURE

Kari Alitalo (Helsinki), "Lymphangiogenesis"

9:15-11:00 POSTER SESSION I

Chairs: Raghu Kalluri, Hermann Pavenstädt

11:00-12:10 ORAL PRESENTATIONS FROM SELECTED ABSTRACTS
(á 10 min)

✓ #15 **N Endlich et al** (Greifswald, Germany), "Detection of Stress Fiber Assembly at Focal Adhesions"

✓ #18 **C Glass et al** (Bristol, UK), "VEGF165b Defines the Phenotype of the Normal Glomerulus"

✓ #30 **RJ Kolb et al** (Boston, Massachusetts), "Podocytes are Ciliated and Mediate Flow-Induced Calcium Signaling"

✓ #43 **N Miyauchi et al** (Niigata, Japan), "Synaptic Vesicle Protein 2B (SV2B) is Expressed in Podocyte and its Expression is Altered in Proteinuric Glomeruli"

X #46 **A Mukherjee et al** (Cleveland, Ohio), "The Wilm's Tumor-1 (WT-1) Interacting Protein: a Molecular Messenger between the Slit Diaphragm and Podocyte Nucleus"

X #59 **RF Ransom et al** (Ann Arbor, Michigan), "Hsp27 Interacts with both ArpC1a and ArpC1b in Podocytes"

✓ #69 **MD Sanchez-Nino et al** (Madrid, Spain), "3,4-DGE induces Apoptosis in Renal Tubular Epithelial Cells and Podocytes"

12:10-13:00 Lunch

13:00 SYMPOSIUM II

Chairs: Michelle P Winn, David Salant

Mechanisms of Glomerular Disease

✓ **Jochen Reiser** (Boston), "A Mechanism for Proteinuric Kidney Disease"

✓ **Jesus Egido** (Madrid), "The TNF Superfamily Members and Glomerular Diseases"

14:30-15:30 ORAL PRESENTATIONS FROM SELECTED ABSTRACTS
(á 10 min)

- ✓ #28 **W Ju et al** (New York, New York), "Correlation of the Dickkopf3 Expression with Type II Diabetic Nephropathy"
- ✓ #31 **K Koop et al** (Leiden, The Netherlands), "Selective Loss of Glomerular Podoplanin Protein is Related to the Spontaneous Development of Proteinuria in Dahl-Salt-Sensitive Rats"
- ✓ #34 **A-M Kuusniemi et al** (Helsinki, Finland), "Glomerular Sclerosis in Kidneys with Congenital Nephrotic Syndrome (NPHS1)"
- ✓ #32 **H Kurihara et al** (Tokyo, Japan), "Age-related Podocyte Injury in Novel Congenital Nephrotic Rat Model"
- ✓ #40 **D Macconi et al** (Bergamo, Italy), "Permselective Dysfunction of Podocyte-Podocyte Contact upon Angiotensin II Unravels the Molecular Target for Renoprotective Intervention"
- ✓ #74 **T Takemitsu et al** (Tokyo, Japan), "Co-localization of Prorenin Receptor and Activated Prorenin in Podocytes"
- ✓ #78 **D Trouet et al** (Leuven, Belgium), "A Mechanism Underlying how Acquired Focal Segmental Glomerulosclerosis is Caused by Disruption of Plasma Homeostatic Factors"

15:30-16:00 Coffee

- 16:00-17:00 ✓ **Pierre Ronco** (Paris), "Antigenic Targets on Podocytes in Membranous Nephropathy: Toward Pathophysiology-driven Therapy"
- Jurgen Floege** (Aachen), "Growth Factors and Glomerular Disease"

Tams @ 1715

18:00-19:30 RECEPTION AT THE HELSINKI CITY HALL

Saturday, 10 June 2006, Biomedicum, Helsinki

9:00-9:45 PLENARY LECTURE

✓ **Giuseppe Remuzzi** (Bergamo),
✓ "Trends in Pharmacotherapy of Glomerular Diseases"

9:45-11:00 POSTER SESSION II

Chairs: Erwin Boettinger, Susan Quaggin

11:00-12:00 ORAL PRESENTATIONS OF SELECTED ABSTRACTS
(à 10 min)

✓ #9 **L DePetrì et al** (StLouis, Missouri), "Gene Expression Profiling in Podocytes in an in-vitro Model of Diabetic Nephropathy"

✓ #13 **L Ebarasi et al** (Stockholm, Sweden), "High Throughput Functional Analysis of Glomerular Genes in the Zebrafish Pronephros"

✓ #23 **L He et al** (Stockholm, Sweden), "Transcriptional Profiling of Kidney Glomeruli Development"

✓ #52 **M Nukui et al** (Stockholm, Sweden), "Mouse Kidney Glomerular Proteome Analysis with 2-D Gel Electrophoresis and Mass Spectrometry"

✓ #81 **Y Xing et al** (Beijing, China), "Diversities of Podocyte Molecular Changes Induced by Different Anti-proteinuria Drugs"

Ransom

12:10-13:00 Lunch

13:00-14:00 SYMPOSIUM III

Chairs: Jurgen Floege, Pierre Ronco

✓ **Stuart Shankland** (Seattle), "Podocyte Injury in Progressive Glomerular Damage"

✓ **Kevin Lemley** (Palo Alto), "Genetics of Renal Involvement in Diabetes: Pima"

14:00–15:00 ORAL PRESENTATIONS OF SELECTED ABSTRACTS
(á 10 min)

- ✓ #8 **B Davis et al** (London, UK), "Inducible Overexpression of Angiopoietin-2 in Podocytes Results in Albuminuria and Glomerular Matrix Deposition in Transgenic Mice"
- ✓ #16 **El Esquivel et al** (Paris, France), "Progression of Nephrotic Syndrome in Podocin Null Mice is Influenced by Modifier Genes and by Parent-of-Origin Effects"
- ✓ #22 **SJ Harvey et al** (StLouis, Missouri), "Free of Charge: Glomerular Basement Membrane Alterations in Agrin-Deficient Mice"
- ✓ #29 **J Juhila et al** (Helsinki, Finland), "Inducible Rat Nephric cDNA in Podocytes Reduces Lethality of Nephric Deficiency"
- ✓ #79 **C Wei et al** (Boston, Massachusetts), "uPAR contributes to the Development of Urinary Protein Loss through Promotion of beta3 Integrin Activation"
- #63 **C van Royen et al** (Aachen, Germany), "Podocyte-specific Overexpression of Platelet Derived Growth Factor (PDGF)-D Causes Mesangial Hyperproliferation, Glomerulosclerosis and Crescentic Glomerulonephritis in Mice"

15:00–15:30 Coffee

15:30–16:30 **Per-Henrik Groop** (Helsinki), "Diabetic Nephropathy"
Maria Pia Rastaldi (Milano),
"Synaptic-like Communication in Podocytes"

18:00 CONCERT AT TEMPPELIAUKIO CHURCH

Sunday, 11 June 2006, Biomedicum, Helsinki

9:00-9:45 **PLENARY LECTURE**

✓ **Karl Tryggvason** (Stockholm),
"Future Trends for Podocyte Research"

9:45-11:45 **SIZZLING HOT IN PODOCYTE RESEARCH**
Chairs: Thomas Benzing, Stuart Shankland

Presentations (à 15 min) by:

1 ✓ **Raghu Kalluri**, Boston

✓ **Hiroshi Kawachi**, Niigata 4

✓ **Moin Saleem**, Bristol 5

✓ **Andrew Shaw**, StLouis 6

✓ **Bill Smoyer**, AnnArbor 7

2 ✓ **Michelle Winn**, Raleigh

✓ **Jordan Kreidberg**, Boston 8

3 ✓ **Martin Pollak**, Boston

11:45-12:00 **CLOSING WORDS, ADJOURN**
(**Harry Holthöfer**)

12:30-17:00 **SATELLITE MEETING**

HUMAN KIDNEY AND URINARY PROTEOME

*Human Proteome Organization (HUPO) and
Human Kidney and Urine Proteome Project (HKUPP)*

Chairs: Pierre Ronco and Tadashi Yamamoto

- 1 **Tadashi Yamamoto** (Niigata University, Japan)
"Introduction of Human Proteome Organization (HUPO)
and Human Kidney and Urine Proteome Project" 15 min

2 **Sophia Hober** (Molecular Biotechnology, KTH, Stockholm, Sweden), Co-chair of Human Antibody Initiative of HUPO (Human Protein Atlas Program)
"Antibody-based protein profiling" 30 min

3 **Robyn G Langham** (University of Melbourne, Australia)
"Identifying new targets for treatment of diabetic nephropathy" 20 min

4 **Harry Holthöfer** (University of Helsinki, Finland)
"Methods for urinary protein profiling" 20 min

Chairs: Robert Star and Gerhard A. Müller

5 **Robert Star** (NIDDK, USA)
"Collection, preservation, and storage conditions for urine proteomics" 30 min

6 **John Aarthur** (Medical University of South Carolina, USA)
"Standardization of protocols for urine protein analysis" 30 min

7 **Hassan Dihazi** (University of Göttingen, Germany)
"Different techniques for urinary protein analysis of normal and diabetic nephropathy patients" 30 min

8 **Gerhard A. Müller** (University of Göttingen, Germany)
"Proteomics in renal replacement therapy and renal cell cancer" 20 min

9 **Yutaka Yoshida** (Niigata University, Japan)
"2-DE- and LC-MS-based human glomerulus proteome database and its applications" 20 min

10 **Joost Schanstra** (INSERM U388, Toulouse, France)
"Urinary proteomics in newborn" 20 min