

Curriculum vitae

Peter Viktor Hauser



University

- since 01/2008 Marie Curie Fellow
Center for Molecular Biotechnology, University of Torino, Italy
Laboratory of Renal and Vascular Pathophysiology,
Prof. Giovanni Camussi, MD
- 09/2004 – 12/2007 Schrödinger Research Fellow
Div. Nephrology at University of Washington, Seattle.
Laboratory Stuart J. Shankland, MD.
- 12/2000 – 6/2004 Ph.D. student
University Vienna Medical School and Vienna Biocenter (Mentors
R. Oberbauer, MD and R. Schweyen, PhD)
Thesis: Genome wide analysis of kidney and kidney related gene
expression in human renal transplant organs
- 01/2000 Master degree “Magister rerum naturalis”
Vienna University Biocenter.
Thesis: Characterisation of Phage ϕ X174 Lysisprotein E

Other

- 1998-1999: Instructor for Yeast and Bacterial Genetics at the University Vienna Biocenter.
- 1999-2000: Obligatory military service: Work on multiplex PCR for detection of Escherichia coli O157:H7, in cooperation between University Vienna and Austrian Armed Forces (MILWEX).

3-4/2000: Field lab for microbial & chemical water quality analysis for the Austrian Armed Forces humanitarian action in Mozambique.

9-10/2001: Visiting student at Stanford University, Laboratory Timothy W. Meyer, MD.

2000-2003: Seminars on Microarray analysis at MWG (Ebersberg, Germany) and microdissection at PALM microlaser technology (Bernried, Germany).

2004-2005: Training on the handling of laboratory animals, animal laws and pathogen free work (Certified at University of Washington for mouse, rats, dogs and non-human primates).

Techniques

cell culture, primary cell culture, vector design, recombinant proteins, protein expression- purification, PAGE, real time PCR, PCR, microarray analysis, laser microdissection, RNA- DNA- isolation and analysis, Western Blot, Northern Blot, Southern Blot, siRNA, immunohistochemistry, ELISA, Yeast-2 Hybrid, microinjection, FACS, confocal microscopy.

Privat Interests

Mountaineering; Snowboarding; Ski-mountaineering, certified AIARE Avalanche Level I; Cycling; Soccer; Cooking; Spending time with family & friends.

Volunteer Work

Member of a volunteer fire department in my hometown Puchheim (www.ff-puchheim.at), since the age of 12.

Original Articles

Hauser PV, Krofft R, Pippin J, Hudkins KL, Kerjaschki D, Alpers C and Shankland SJ. Modulating Gene Expression Of Podocytes In Vitro And In Vivo By Specific Antibody-Mediated siRNA (Review process JASN).

Hauser PV, Perco P, Muehlberger I, Pippin J, Blonski M, Mayer B, Alpers C, Oberbauer R and Shankland SJ. Microarray and bioinformatic analysis of gene expression in experimental membranous nephropathy (submitted American Journal of Kidney Disease).

Hauser PV, Pippin J, Kroft RM, Kowalewska J, Hudkins KL, Kerjaschki D, Alpers CE and Shankland SJ. Novel Complement Mediated Podocyte Injury Model In Mouse (manuscript)

Banas MC, Banas B, Hudkins KL, Wietecha TA, Iyoda M, Bock E, **Hauser PV**, Pippin JW, Wang L, Smith KD, Stoelcker B, Gröne HJ, Krämer BK, Alpers CE. Podocytes express functionally active TLR4 during experimental membranous proliferative glomerulonephritis. *J Am Soc Nephrol.* 2008, 19(4):704-13

Perco P, Blaha P, Kainz A, Mayer B, **Hauser P**, Wekerle T, Oberbauer R. Molecular signature of mice T- lymphocytes following tolerance induction by allogeneic BMT and CD40-CD40L costimulation blockade. *Transplantation International* 2006, 19 (2): 146-57

Hauser P, Kainz A, Perco P, Bergmeister H, Mitterbauer C, Schwarz C, Regele HM, Mayer B, Meyer TW and Oberbauer R. Differences in the transcriptional response in the unaffected kidney after contralateral hydronephrosis or nephrectomy *Kidney International* 2005, 68 (6): 2497-2507

Mineva I, Gartner WS, **Hauser P**, Kainz A, Löffler M, Wolf G, Oberbauer R, Weissel M, Wagner L. Differential expression of alphaB-crystallin and Hsp27-1 in anaplastic thyroid carcinomas as the result of tumor specific alphaB-crystallin gene (CRYAB)-silencing. *Cell Stress & Chaperones* 2005 Autumn,10(3):171-84

Sengoelge G, Luo W, Fine D, Perschl A, Fierbeck W, Haririan A, Sorensson J, Rehman T, **Hauser P**, Trevick J, Ballermann B. A SAGE based comparison between glomerular and endothelial cells. *Am J Physiol Renal Physiol.* 2005, 1290-1300

Kainz A, Mitterbauer C, **Hauser P**, Schwarz C, Regele HM, Berlakovich G, Mayer G, Perco P, Mayer B, Meyer TW, Oberbauer R. Impaired tubular cell cycle regulation and activated immune response in transplant kidney biopsies from cadaveric compared to live organ donors. *American Journal of Transplantation* 2004, 4 (10), 1595-1604

Hauser P, Schwarz C, Mitterbauer C, Regele HM, Mühlbacher F, Mayer G, Perco P, Mayer B, Meyer T.W, Oberbauer R. Genome wide gene expression pattern of donor kidney biopsies distinguish primary allograft function. *Lab Invest* 2004, 84:353-361

Mitterbauer C, Schwarz C, **Hauser P**, Steininger R, Regele HM, Rosenkranz A, Oberbauer R. Impaired tubulointerstitial expression of ET-1 and NOS isoforms in donor kidney biopsies with postischemic acute renal failure. *Transplantation* 2003, 76: 715-720

Schwarz C, **Hauser P**, Steininger R, Regele H, Heinze G, Mayer G, Oberbauer R. Failure of Bcl-2 up regulation in proximal tubular epithelial cells of donor kidney biopsies is associated with apoptosis and delayed graft function. *Lab Invest* 2002, 82:941-948

Weidekamm C, **Hauser P**, Hansmann C, Schwarz C, Klingler HC, Mayer G, Oberbauer R. Effects of AT1 and AT2 receptor blockade on angiotensin II induced apoptosis of human renal proximal tubular epithelial cells. *Middle Europ J Med* 2002, 114/115-16:725-729

Peherstorfer E, Mayer B, Böhm S, Lukas A, **Hauser P**, Mayer G, Oberbauer R. Effects of microinjection of synthetic Bcl-2 family member domain peptides on apoptosis of renal proximal tubular epithelial cells in vivo. *Am J Physiol* 2002, 283:F190-F196

Reviews

Hauser PV, Collino F, Bussolati B and Camussi G. Nephrin and Endothelial Injury. *Current Opinion in Nephrology and Hypertension* 2008 (11) (in press).

Pippin JW, **Hauser PV**, Brinkkoetter PT, Cormack-Aboud F, Durvasula RV, Krofft R, Logar CM, Marshall CB, Ohse T, Shankland SJ. Rodent Models of Acquired Podocyte Diseases. (in press: *Lab Invest*, 2008)

Hauser P and Oberbauer R. Tubular apoptosis in the pathophysiology of renal disease. *Mid Europ Med. Review* 2002, 15-16:671-677

Schwarz C, **Hauser P**, Lukas A, Mayer B, Mayer G. Neue Methoden zur Identifikation renaler Genexpression und deren klinische Relevanz. *Nephroscript* 2001, 2:4-8

Awards and Grants

Marie Curie Fellowship 2007-2009, Kidstem

Schrödinger Grant 2004-2006 Project J2415-B11

Travel Grant 11/2005, FWF Austrian Science Fund

Poster Award 2003 Austrian Societies for Nephrology & Hypertension (ÖGN & ÖGH)
Title: Gene expressionsanalysis in Donorkidneys to predict early allocraft function.

Award Austrian Society of Nephrology 2002 for: Schwarz C, Hauser P, Steininger R, Regele H, Heinze G, Mayer G, Oberbauer R. Failure of Bcl-2 up regulation in proximal tubular epithelial cells of donor kidney biopsies is associated with apoptosis and delayed graft function. *Lab Invest* 2002, 82:941-948

Stipend of the University of Vienna (Diploma Thesis), granted by the Dean (1999).

Federal Study Grant by Austrian Study Grant Organisation (1993- 1999)