

Curriculum Vitae

Paul Perco

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Present affiliations

Head of Applications

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Medical University of Vienna
Department of Nephrology
Währinger Gürtel 18-20
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Lecturer

Technical University Vienna
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Argentinierstrasse 8
A-1040 Vienna

Education

Oct 1998 – Jul 2003 Study of Microbiology at the University of Vienna.
Oct 2002 – Jul 2003 Diploma thesis at the University of Vienna in cooperation with emergentec biodevelopment GmbH on “*Bioinformatics analysis of differential gene expression in human kidney tissue*”.
Sep 2003 Graduation (MS) in Microbiology at the University of Vienna.
Sep 2003 – Nov 2005 PhD thesis at the University of Vienna on “*Numerical models of coregulation and metabolic network analysis based on genome wide gene expression patterns*”.
Nov 2005 Graduation (PhD) in Microbiology and Genetics at the University of Vienna.
Nov 2005 – Jan 2008 Postdoctoral fellow at Prof Oberbauer’s *Nephrogene* research group at the Medical University of Vienna, Department of Nephrology.
Feb 2008 – Dec 2011 Researcher at emergentec biodevelopment GmbH
Current position Head of applications at emergentec biodevelopment GmbH

Career related activities

Jun 2000 – Sep 2001 Project work at the Institute of blood group serology and transfusion medicine (Vienna Medical Center) under the supervision of Univ.Prof.Dr. Simon Panzer.
Aug 2004 – Oct 2004 Research fellow at the Center of Molecular Medicine and Therapeutics (CMMT) Vancouver under the supervision of Prof. Wasserman.
May 2003 – Oct 2005 Bioinformatics project contractor with emergentec biodevelopment GmbH.
Feb 2008 *nephronic biomedical research*, focusing on the development of assays for the early diagnosis of kidney diseases, was ranked among the six most innovative business ideas in the Best-of-Biotech (BoB) 2007/2008 competition.
Jan 2010 – present Member of the coordinating team of the large-scale integrating project “*SysKid – Systems biology towards novel chronic kidney disease diagnosis and treatment*”, funded by the European Union in the 7th framework programme.
May 2010 – present Editorial board member of the *Journal of Computer Science and Systems Biology*.
October 2011 – present Lecturer at the Technical University (TU) of Vienna on Biomedical Informatics.

Research interests

- **Bioinformatics analysis of 'omics' data** (see e.g. refs 3, 5, 8, 10, 18, 29, 41, 42, 43, 47, 50, 52)
- **Biomarker discovery and development** (see e.g. refs 11, 12, 14, 20, 21, 22, 34, 43, 57 & patents 1-5)
- **Network biology in disease** (see e.g. refs 15, 18, 20, 28, 32, 36, 41, 46, 47, 49, 51, 52, 53, 55, 56)

Coordinating tasks in the following research projects

- ***Rekonstruktion von Kontextgraphen in molekularbiologischen Netzwerken***
(Reconstruction of context-graphs in molecular biological networks)
Role: Project coordination
Funding Agency: Österreichische Forschungsförderungsgesellschaft mbH (FFG)
Project duration: 01.01.2008 – 31.12.2009
Project partners: 2
Project volume: EUR 225.000
- ***SysKid – Systems biology towards novel chronic kidney disease diagnosis and treatment***
Role: Member of the coordinating team, Group Lead Partner 1 - emergentec biodevelopment GmbH
Funding Agency: European Union (7th framework programme)
Project duration: 01.01.2010 – 31.12.2014
Project partners: 25
Project volume: EUR 16 Mio

Patent applications

- {06} WO2011/144738 - CRITICAL GENE TARGETS FOR CYTOTOXIC THERAPY
Int. Application No. PCT/EP2011/058259
Int. Filing date: 20.05.2011
Inventors: Lukas A, Soellner J, Bernthaler A, Mayer B, Fechete R, **Perco P**, Heinzl A
- {05} WO/2011/045244 - ACUTE KIDNEY INJURY RISK TESTING
Int. Application No. PCT/EP2010/065118
Int. Filing date: 08.10.2010
Inventors: Oberbauer R, Mayer B, **Perco P**, Kainz A, Wilflingseder J
- {04} WO/2010/142637 - A METHOD OF DIAGNOSING RENAL DISORDERS
Int. Application No. PCT/EP2010/057917
Int. Filing date: 07.06.2010
Inventors: Mayer G, Rudnicki M, **Perco P**
- {03} WO/2009/127644 - MARKERS OF ACUTE KIDNEY FAILURE
Int. Application No. PCT/EP2009/054439
Int. Filing date: 15.04.2009
Inventors: Oberbauer R, Mayer B, **Perco P**, Kainz A
- {02} WO/2009/080780 - A METHOD OF DIAGNOSING A PROGRESSIVE DISEASE
Int. Application No. PCT/EP2008/068083
Int. Filing date: 19.12.2008
Inventors: Mayer G, Rudnicki M, Eder S, Schratzberger G, Enrich J, **Perco P**

{01} WO/2009/080783 - A METHOD OF A DIAGNOSTIC ASSAY
Int. Application No. PCT/EP2008/068093
Int. Filing date: 19.12.2008
Inventors: Mayer G, Koppelstaetter C, **Perco P**, Schratzberger G

Publications

- {58} Evaluation of the Zucker Diabetic Fatty (ZDF) Rat as a Model for Human Disease Based on Urinary Peptidomic Profiles.
Siwy J, Zoja C, Klein J, Benigni A, Mullen W, Mayer B, Mischak H, Jankowski J, Stevens R, Vlahou A, Kossida S, **Perco P**, Bahlmann FH.
PLoS One 2012 7(12):e51334
- {57} Increased renal versican expression is associated with progression of chronic kidney disease.
Rudnicki M, **Perco P**, Neuwirt H, Noppert SJ, Leierer J, Sunzenauer J, Eder S, Zoja C, Eller K, Rosenkranz A, Müller GA, Mayer B, Mayer G
PLoS One 2012 7(9):e44891
- {56} Data graphs for linking clinical phenotype and molecular feature space.
Heinzel A, Fechete R, Söllner J, **Perco P**, Heinze G, Oberbauer R, Mayer G, Lukas A, Mayer B
IJSBBT 2012 1(1):11-25
- {55} Molecular pathways and crosstalk characterizing the cardiorenal syndrome.
Mühlberger I, Mönks K, Fechete R, Mayer G, Oberbauer R, Mayer B, **Perco P**
OMICS 2012 16(3):105-12
- {54} In-silico human genomics with GeneCards.
Stelzer G, Dalah I, Stein TI, Satanower Y, Rosen N, Nativ N, Oz-Levi D, Olender T, Belinky F, Bahir I, Krug H, **Perco P**, Mayer B, Kolker E, Safran M, Lancet D
Hum Genomics 2011 5(6):709-17
- {53} Linking molecular feature space and disease terms for the immunosuppressive drug rapamycin.
Bernthaler A, Mönks K, Mühlberger I, Mayer B, **Perco P**, Oberbauer R
Mol Biosyst 2011 7(10):2863-71
- {52} Mapping of molecular pathways, biomarkers and drug targets for diabetic nephropathy.
Fechete R, Heinzel A, **Perco P**, Mönks K, Söllner J, Stelzer G, Eder S, Lancet D, Oberbauer R, Mayer G, Mayer B
Proteomics Clinical Applications 2011 5(5-6):354-66
- {51} Mycophenolate mofetil associated molecular profiles and diseases
Mönks K, Bernthaler A, Mühlberger I, Mayer B, Oberbauer R, **Perco P**
J Comput Sci Syst Biol 2011 4:1-6
- {50} Computational analysis workflows for Omics data interpretation
Mühlberger I, Wilflingseder J, Bernthaler A, Fechete R, Lukas A, **Perco P**
Methods Mol Biol 2011 719:379-97
- {49} Data and knowledge management in cross-Omics research projects
Wiesinger M, Haiduk M, Behr M, de Abreu Madeira HL, Glöckler G, **Perco P**, Lukas A
Methods Mol Biol 2011 719:97-111
- {48} Recurrence free survival in prostate cancer is related to increased stromal TRAIL expression
Anees M, Horak P, El-Gazzar A, Susani M, Heinze G, **Perco P**, Pangerl T, Loda M, Lis r, Krainer M, Oh WK
Cancer 2011 117(6):1172-82

- {47} Synthetic lethal hubs associated with vincristine resistant neuroblastoma.
Fechete R, Barth S, Olender T, Munteanu A, Bernthaler A, Inger A, **Perco P**, Lukas A, Lancet D, Cinatl Jr J, Michaelis M, Mayer B
Mol Biosyst 2011 7(1):200-14
- {46} Integrative bioinformatics analysis of proteins associated with the cardiorenal syndrome.
Mühlberger I, Mönks K, Bernthaler A, Mayer B, Mayer G, Oberbauer R, **Perco P**
Int J Nephrol 2011 2011, Article ID809378, 10 pages
- {45} Adaptive trimmed t-statistics for identifying predominantly high expression in a microarray experiment.
Gleiss A, Sanchez-Cabo F, **Perco P**, Tong D, Heinze G
Stat Med 2011 30(1):52-61
- {44} Molecular biomarker candidates of acute kidney injury in zero-hour renal transplant needle biopsies.
Korbely R, Wilflingseder J, **Perco P**, Kainz A, Langer RM, Mayer B, Oberbauer R
Transplant Int 2011 24(2):143-9
- {43} Integrative analysis of –omics data and histological scoring in renal disease and transplantation: renal histogenomics.
Perco P, Oberbauer R
Semin Nephrol 2010 30(5):520-30
- {42} Steroid pretreatment of organ donors to prevent postischemic renal allograft failure: a randomized, controlled trial.
Kainz A, Wilflingseder J, Mitterbauer C, Haller M, Burghuber C, **Perco P**, Langer RM, Heinze G, Oberbauer R.
Ann Intern Med 2010 153(4):222-30
- {41} Linking transcriptomic and proteomic data on the level of protein interaction networks.
Perco P, Mühlberger I, Mayer G, Oberbauer R, Lukas A, Mayer B.
Electrophoresis 2010 31(11):1780-1789
- {40} Natural immunity enhances the activity of a DR5 agonistic antibody and carboplatin in the treatment of ovarian cancer.
El-Gazzar A, **Perco P**, Eckelhart E, Anees M, Sexl V, Mayer B, Liu Y, Mikulits W, Horvat R, Pangerl T, Zheng D, Krainer M
Mol Cancer Ther 2010 9(4):1007-18
- {39} The role of c-FLIP(L) in ovarian cancer: Chaperoning tumor cells from immunosurveillance and increasing their invasive potential.
El-Gazzar A, Wittinger M, **Perco P**, Anees M, Horvat R, Mikulits W, Grunt TW, Mayer B, Krainer M
Gynecol Oncol 2010 117(3):451-9
- {38} Systems biology: opening new avenues in clinical research.
Molina F, Dehmer M, **Perco P**, Graber A, Girolami F, Spasovski G, Schanstra JP, Vlahou A
Nephrol Dial Transplant 2010 25(4):1015-8
- {37} Impaired metabolism in donor kidney graft after steroid pretreatment.
Wilflingseder J, Kainz A, Mühlberger I, **Perco P**, Langer R, Kristo I, Mayer B, Oberbauer R
Transpl Int 2010 23(8):796-804
- {36} Computational reconstruction of protein interaction networks.
Mönks K, Mühlberger I, Bernthaler A, Fechete R, **Perco P**, Freund R, Lukas A, Mayer B
in Applied Statistics for Network Biology: Methods in Systems Biology 2011 Wiley-VCH
- {35} Biocompatibility of peritoneal dialysis solutions determined by genomics of human leucocytes: a cross-over study.
Wilflingseder J, **Perco P**, Kainz A, Schwarz C, Korbely R, Mayer B, Oberbauer R
NDT Plus 2009 2:510-12

- {34} Biomarkers in renal transplantation ischemia reperfusion injury.
Mühlberger I, **Perco P**, Fechete R, Mayer B, Oberbauer R.
Transplantation 2009 88(3 Suppl):S14-9
- {33} Neuropilin-1 and neuropilin-2 are differentially expressed in human proteinuric nephropathies and cytokine-stimulated proximal tubular cells.
Schramek H, Sarközi R, Lauterberg C, Kronbichler A, Pirklbauer M, Albrecht R, Noppert SJ, **Perco P**, Rudnicki M, Strutz FM, Mayer G
Lab Invest. 2009 89(11):1304-16
- {32} A dependency graph approach for the analysis of differential gene expression profiles.
Bernthaler A, Mühlberger I, Fechete R, **Perco P**, Lukas A, Mayer B.
Mol Biosyst. 2009 5(12):1720-31
- {31} Microarray and Bioinformatics Analysis of Gene Expression in Experimental Membranous Nephropathy.
Hauser PV*, **Perco P***, Mühlberger I, Pippin J, Blonski M, Mayer B, Alpers CE, Oberbauer R, Shankland SJ.
Nephron Exp Nephrol. 2009 112(2):e43-e58.
- {30} Inter-laboratory comparison of human renal proximal tubule (HK-2) transcriptome alterations due to cyclosporine A exposure and medium exhaustion.
Jennings P, Aydin S, Bennett J, McBride R, Weiland C, Tuite N, Gruber L, **Perco P**, O'Gaora P, Ellinger-Ziegelbauer H, Ahr HJ, Van Kooten C, Daha M Ryan MP, Pfaller W, McMorrow T.
Toxicol in-vitro 2009 23(3):486-99.
- {29} Histogenomics: Association of gene expression patterns with histological parameters in kidney biopsies.
Perco P, Kainz A, Wilflingseder J, Soleiman A, Mayer B, Oberbauer R.
Transplantation 2009 87(2):290-295.
- {28} Hypoxia response and VEGF-A expression in human proximal tubular epithelial cells in stable and progressive renal disease.
Rudnicki M*, **Perco P***, Enrich J, Eder S, Heining D, Bernthaler A, Wiesinger M, Sarközi R, Noppert SJ, Schramek H, Mayer B, Oberbauer R, Mayer G.
Lab Invest. 2009 89(3):337-46.
- {27} Molecular predictors for anemia after kidney transplantation.
Wilflingseder J, Kainz A, **Perco P**, Korbely R, Mayer B, Oberbauer R.
Nephrol Dial Transplant. 2009 24(3):1015-23.
- {26} Biocompatibility of haemodialysis membranes determined by gene expression of human leucocytes: a crossover study.
Wilflingseder J, **Perco P**, Kainz A, Korbely R, Mayer B, Oberbauer R.
Eur J Clin Invest. 2008 38(12):918-24.
- {25} Bortezomib-Induced Survival Signals and Genes in Human Proximal Tubular Cells.
Sarközi R, **Perco P**, Hochegger K, Enrich J, Wiesinger M, Pirklbauer M, Eder S, Rudnicki M, Rosenkranz AR, Mayer B, Mayer G, Schramek H.
J Pharmacol Exp Ther. 2008 327(3):645-56.
- {24} The surface properties of nanocrystalline diamond and nanoparticulate diamond powder and their suitability as cell growth support surfaces.
Lechleitner T, Klauser F, Seppi T, Lechner J, Jennings P, **Perco P**, Mayer B, Steinmüller-Nethl D, Preiner J, Hinterdorfer P, Hermann M, Bertel E, Pfaller K, Pfaller W.
Biomaterials. 2008 Nov;29(32):4275-84.
- {23} Present status at the Vienna Transplantation Center after four thousand renal transplantations.
Bodingbauer M, Kramar R, Wekerle T, Böhmig GA, Berlakovich G, Säemann MD, Steininger R, **Perco P**, Oberbauer R, Hörl W, Mühlbacher F.
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- {22} Kidney injury molecule-1 as a biomarker of acute kidney injury in renal transplant recipients.
Perco P, Oberbauer R.
Nat Clin Pract Nephrol 2008 4(7):362-3.
- {21} Markers of cellular senescence in zero hour biopsies predict outcome in renal transplantation.
Koppelstaetter C, Schratzberger G, **Perco P**, Hofer J, Mark W, Ollinger R, Oberbauer R, Schwarz C, Mitterbauer C, Kainz A, Karkoszka H, Wiecek A, Mayer B, Mayer G.
Aging Cell 2008 Aug;7(4):491-7.
- {20} Biomarker candidates for cardiovascular disease and bone metabolism disorders in chronic kidney disease: A systems biology perspective.
Perco P, Willflingseder J, Bernthaler A, Wiesinger M, Rudnicki M, Wimmer B, Mayer B, Oberbauer R.
J Cell Mol Med. 2008 Aug;12(4):1177-87.
- {19} Analysis and prediction of protective continuous B-cell epitopes on pathogen proteins.
Sollner J, Grohmann R, Rapberger R, **Perco P**, Lukas A, Mayer B.
Immunome Res 2008 4(1):1.
- {18} Linking the ovarian cancer transcriptome and immunome.
Rapberger R, **Perco P**, Sax C, Pangerl T, Siehs C, Pils D, Bernthaler A, Lukas A, Mayer B, Krainer M.
BMC Syst Biol 2008 2(1):2.
- {17} The influence of microvascular endothelial cells on transcriptional regulation of proximal tubular epithelial cells.
Aydin S, Signorelli S, Lechleitner T, Joannidis M, **Perco P**, Pleban C, Pfaller W, Jennings P.
Am J Physiol Cell Physiol 2008 294(2):C543-54.
- {16} In vitro - transcriptional response of polymorphonuclear leukocytes following contact with different antigens.
Hochegger K*, **Perco P***, Enrich J, Mayer B, Mayer G, Rosenkranz AR, Rudnicki M.
Eur J Clin Invest 2007 37(11):860-9.
- {15} Characterization of protein interaction networks in tumors.
Platzer A, **Perco P**, Lukas A, Mayer B
BMC Bioinformatics 2007 8(1):224.
- {14} Gene-expression profiles and age of donor kidney biopsies obtained before transplantation distinguish medium term graft function.
Kainz A, **Perco P**, Mayer B, Soleiman A, Steininger R, Mayer G, Mitterbauer C, Schwarz C, Meyer TW, Oberbauer R
Transplantation 2007 83(8):1048-54.
- {13} Gene expression profiles of human proximal tubular epithelial cells in proteinuric nephropathies.
Rudnicki M, Eder S, **Perco P**, Enrich J, Scheiber K, Koppelstätter C, Schratzberger G, Mayer B, Oberbauer R, Meyer TW, Mayer G
Kidney Int 2007 71(4):325-35.
- {12} Gene expression and biomarkers in renal transplant ischemia reperfusion injury.
Perco P, Pleban C, Kainz A, Lukas A, Mayer B, Oberbauer R
Transpl Int 2007 20(1):2-11.
- {11} Protein biomarkers associated with acute renal failure and chronic kidney disease.
Perco P, Pleban C, Kainz A, Lukas A, Mayer G, Mayer B, Oberbauer R
Eur J Clin Invest 2006 36(11):753-63.
- {10} Transforming omics data into context: Bioinformatics on genomics and proteomics raw data.
Perco P, Rapberger R, Siehs C, Lukas A, Oberbauer R, Mayer G, Mayer B
Electrophoresis 2006 27(13):2659-75.

- {09} Molecular signature of mice T-lymphocytes following tolerance induction by BMT and CD40-CD40L costimulation blockade.
Perco P, Blaha P, Kainz A, Mayer B, Hauser P, Wekerle T, Oberbauer R
Transpl Int 2006 19(2):146-57.
- {08} Identification of statistically over-represented combinations of transcription factor binding sites in sets of co-expressed genes.
Huang SS, Fulton DL, Arenillas DJ, **Perco P**, Ho Sui SJ, Mortimer JR, Wasserman WW
Advances in Bioinformatics and Computational Biology 2006 3:247-56.
- {07} Transcriptional response in the unaffected kidney after contralateral hydronephrosis or nephrectomy.
Hauser P, Kainz A, **Perco P**, Bergmeister H, Mitterbauer C, Schwarz C, Regele HM, Mayer B, Meyer TW, Oberbauer R
Kidney Int 2005 68(6):2497-07.
- {06} Effect of tissue fixation on telomere length determination by quantitative PCR. Mechanisms of Ageing and Development.
Koppelstätter C, Jennings P, Hochegger K, **Perco P**, Ischia R, Karkoszka H, Mayer G
Mech Ageing Dev 2005 126(12):1331-3.
- {05} Detection of coregulation in differential gene expression profiles.
Perco P, Kainz A, Mayer G, Lukas A, Oberbauer R, Mayer B
Biosystems 2005 82(3):235-47.
- {04} Alterations in gene expression in cadaveric vs. live donor kidneys suggest impaired tubular counterbalance of oxidative stress at implantation.
Kainz A, Mitterbauer C, Hauser P, Schwarz C, Regele HM, Berlakovich G, Mayer G, **Perco P**, Mayer B, Meyer TW, Oberbauer R
Am J Transplant 2004 Oct;4(10):1595-604.
- {03} Genome wide gene expression patterns of donor kidney biopsies distinguish primary allograft function.
Hauser P, Schwarz C, Mitterbauer C, Regele HM, Mühlbacher F, Mayer G, **Perco P**, Mayer B, Meyer TW, Oberbauer R
Lab Invest 2004 Mar;84(3):353-61.
- {02} Testing for the D zygosity with three different methods revealed altered Rhesus boxes and a new weak D type.
Perco P, Shao CP, Mayr WR, Panzer S, Legler TJ
Transfusion 2003 Mar;43(3):335-9.
- {01} RHD sequencing: a new tool for decision making on transfusion therapy and provision of Rh prophylaxis.
Legler TJ, Maas JH, Kohler M, Wagner T, Daniels GL, **Perco P**, Panzer S
Transfus Med 2001 Oct;11(5):383-8.

Poster presentations, talks, and conference contributions

- {25} Integration towards a SysKid biomarker panel for chronic kidney disease.
SysKid annual meeting
Feb 11-14, 2012 [talk]
- {24} Management organization in EU projects in the 7th framework programme.
FFG Akademie "Projektentwicklung und Antragstellung im 7. EU-Rahmenprogramm"
July 25, 2011 [invited talk]

- {23} Data integration and knowledge management aspects in Omics-centered scientific projects.
Seminar Current Issues in Clinical Proteomics at the Medical University of Vienna
June 9, 2011 [invited talk]
- {22} Making use of high-throughput Omics data in biomarker discovery and medical research.
Seminar Progress in Bioscience Technologies at the Technical University of Vienna
November 26, 2010 [talk]
- {21} Data integration and relations modeling for integrating Omics in clinical research.
4th Central and Eastern European Proteomics Conference (CEEPC), Vienna, Austria
August 29-September 1, 2010 [talk]
- {20} Systems biology analyses for chronic kidney disease.
EuroKUP COST meeting, Rotterdam, NL
March 20-21, 2010 [invited talk]
- {19} SysKid – Knowledge management and integration.
SysKid kick-off meeting, Vienna, Austria
March 9-11, 2010 [talk]
- {18} A systems biology approach to link acute kidney injury and chronic kidney disease.
American Society of Nephrology (ASN) renal week 2009, San Diego, USA
October 27-November 1, 2009 [talk]
- {17} Histogenomics: Association of gene expression patterns with histological parameters in kidney biopsies.
XXII Annual meeting of the Austrian Society of Transplantation, Zell am See, Austria.
October 29-31, 2008 [talk]
- {16} Identification of biomarkers for medium graft function in preimplantation kidney biopsies.
XXII International Congress of the Transplantation Society, Sydney, Australia.
August 9-14, 2008 [poster]
- {15} A systems biology approach to identify novel biomarkers for cardiovascular disease and bone metabolism disorders in chronic kidney disease.
American Society of Nephrology (ASN) renal week 2007, San Francisco, USA.
November 2-5, 2007 [poster]
- {14} A systems biology approach for identifying deregulated molecular pathways in proximal tubular epithelial cells characterizing progressive proteinuric nephropathies.
International Conference on Systems Biology (ICSB) 2007, Long Beach, USA.
October 1-6, 2007 [poster]
- {13} Virtual screening for disease associated proteins.
GEN-AU Conference Genomics for Health, Vienna, Austria.
October 15-18, 2006 [talk]
- {12} Systems biology in renal disease and transplantation.
Annual meeting of the Austrian Society of Nephrology 2006, Semmering, Austria.
October 13-14, 2006 [invited talk]
- {11} Molecular signature of mice T lymphocytes following tolerance induction by allogeneic BMT and CD40-CD40L costimulation blockade.
Annual meeting of the Austrian Society of Nephrology 2006, Semmering, Austria.
October 13-14, 2006 [talk]
- {10} Linking ovarian cancer transcriptome and immunome.
Int. Congress of Immunogenomics and Immunomics 2006, Budapest, Hungary.
October 8-12, 2006 [poster]

- {09} Medium-term allograft function of kidneys might be predicted by gene expression profiles of donor kidney biopsies.
World Transplant Congress (WTC) 2006, Boston, US.
July 22-27, 2006 [poster]
- {08} discoveryBASE - virtual protein lead discovery workflow.
Research in computational and molecular biology (RECOMB) 2006, Venice, Italy.
April 2-6, 2006 [poster]
- {07} discoveryBASE - virtual protein lead discovery workflow.
Pacific Symposium on Biocomputing (PSB) 2006, Grand Wailea, USA.
January 3-7, 2006 [poster]
- {06} Applied computational biology for the development of diagnostics and therapeutics.
Bytes and Genes 2005, Bioinformatics in Vienna, Marx Palace, Vienna.
November 14, 2005 [poster]
- {05} Numerical models of coregulation and metabolic networks based on genome wide gene expression patterns.
PhD thesis defensio, Theoretical Biochemistry Institute (TBI), Vienna.
November 2, 2005 [talk]
- {04} Bioinformatics identification of tolerance markers in organ transplantation.
Life Sciences 2005, Annual meeting of the Austrian Society for Genetics and Genetic Engineering, BOKU, Vienna.
September 26-28, 2005 [poster]
- {03} Bioinformatics identification of tolerance markers in organ transplantation.
Therapeutic Applications of Computational Biology, Wellcome Trust Conference Center, EBI, Cambridge.
September 3-6, 2005 [poster]
- {02} Genetic algorithms for genome analysis.
20th Theoretical Biochemistry Institute (TBI) Winterseminar, Bled.
February 16-22, 2005 [talk]
- {01} Genome wide gene expression patterns of donor kidney biopsies distinguish primary allograft function.
Advanced topics in microarray analysis conference, Natcher Conference Center, NIH.
January 22, 2003 [poster]

Awards and travel fellowships

Travel award from the Österreichische Forschungsgemeinschaft (ÖFG) for presentation of "A systems biology approach to link acute kidney injury and chronic kidney disease at the American Society of Nephrology (ASN) renal week 2009, San Diego, USA in 2009-10

Travel award from the Österreichische Forschungsgemeinschaft (ÖFG) for presentation of "*Identification of biomarkers for medium graft function in preimplantation kidney biopsies*" at the XXII International Congress of the Transplantation Society, Sydney, Australia in 2008-08.

Travel award from the Österreichische Forschungsgemeinschaft (ÖFG) for presentation of "*A systems biology approach to identify novel biomarkers for cardiovascular disease and bone metabolism disorders in chronic kidney disease*" at the American Society of Nephrology (ASN) renal week 2007, San Francisco, CA in 2007-11

Austrian Transplant Award 2006 for the work "*Alterations in gene expression in cadaveric vs. live donor kidneys suggest impaired tubular counterbalance of oxidative stress at implantation*" conducted by Kainz A, Mitterbauer C, Hauser P, Schwarz C, Regele HM, Berlakovich G, Mayer G, **Perco P**, Mayer B, Meyer TW, and Oberbauer R [*Am J Transplant* 2004 Oct;4(10):1595-604].

Travel award from the Österreichische Forschungsgemeinschaft (ÖFG) for presentation of "*discoveryBASE - virtual protein lead discovery workflow*" at the Pacific Symposium on Biocomputing (PSB) 2006, Grand Wailea, Maui in 2006-01.

Travel award from the Österreichische Forschungsgemeinschaft (ÖFG) for presentation of the "*Bioinformatics identification of tolerance markers in organ transplantation*" at the international conference Therapeutic Applications of Computational Biology, Wellcome Trust Conference Center, EBI, Cambridge, UK in 2005-09.

Travel award from the Österreichische Forschungsgemeinschaft (ÖFG) for research activities on promoter analysis at the Center of Molecular Medicine and Therapeutics (CMMT) Vancouver under the supervision of Prof. Wasserman in 2004-09/10.