

Dontscho Kerjaschki - CV

Personal Data

Date of Birth: February 8, 1947
Place of Birth: Vienna, Austria
Nationality: Austrian

Education

1965 Matura (Summa cum Laude), Vienna Austria;
1972 M.D., University of Vienna;
1978 Austrian Licence for Pathology and Cytology (Facharzt);

Career History

1973-1976 Staff Member, Pathology Institute, Allgemeine Poliklinik Vienna;
1976-1979 Staff Member, Institute of Pathological Anatomy, University of Vienna;
1980-1983 University lecturer, Institute of Pathological Anatomy, University of Vienna;
1984-1986 Associate Professor of Pathology, Institute of Pathological Anatomy, University of Vienna
1984-1989 Visiting Associate Professor, Department of Cell Biology, Yale University;
1986-1993 Professor and Vice Chairman, Clinical Institute of Clinical Pathology, Director of the Division of Ultrastructural Pathology and Cell Biology, University of Vienna
1990-present Visiting Professor, University of California, San Diego, Division of Cellular and Molecular Medicine
1993-present Professor Ordinarius and Chairman of the Department of Clinical Pathology, University of Vienna (since 2004 Medical University Vienna)

Awards and Honors

1985 Eiselsberg-Preis der Gesellschaft der Ärzte, Wien
1986 Sandoz-Preis
1990 Volhard Preis der Deutschen Gesellschaft für Nephrologie
1994 Fellow of the Royal College of Physicians, Edinburgh
2005-present Vice President Austrian Red Cross
2007 Member of the German Academy of Sciences (Deutsche Akademie der Naturforscher Leopoldina)
2007 President, German Society of Pathology (elected for 2009/10)

Publications

192 original publications and reviews; 8 Chapters in textbooks; appr. 10 Invited and/or Named Lectures per year

Teaching activities (PhD students of the last 5 years outside of CCHD)

Name of the student	Sex	Research topic	Title of the thesis	No of publications
Mayerhofer, Corina	F	Kidney biology	Characterization of the membranous proteome of rat glomeruli	2
Haluza Daniela	F	Vascular biology	Heterogeneity of Human Lymphatic Endothelial Cells	1

Externally funded national and international projects (last 5 years)

Funding organisation	project No.	Research topic of the project	Amount in k€
MUV	UE10207001	CCHD	147
FWF	W1205	CCHD	147
EU	LSHG-CT-2004-503573	Lymphangiogenomics	300
EU	MEXC-CT-2006-042742	Macrorien	400

10 most relevant papers of the last 5 years

Kain R, Exner M, Low CA, Brandes R, Ziebermayr R, Davidovits A, Cunningham D, Spitzauer S, Sunder-Plassmann G, Ohler R, Soleiman A, Klemm P, Rees AJ, **Kerjaschki D** (2008)

Identification of pathogenic epitopes in pauci-immune crescentic glomerulonephritis: Molecular mimicry of lysosomal membrane glycoprotein 2(hLAMP-2) and the bacterial attachment protein FimH. *Nat Med* **14**:1088-1096.

Foster RR, Slater SC, Seckley J, **Kerjaschki D**, Bates DO, Mathieson PW, Satchell SC (2008) Vascular Endothelial Growth Factor-C, a Potential Paracrine Regulator of Glomerular Permeability, Increases Glomerular Endothelial Cell Monolayer Integrity and Intracellular Calcium. *Am J Pathol.* **173**:938-948.

Wick N, Haluza D, Gurnhofer E, Raab I, Kasimir MT, Prinz M, Steiner CW, Reinisch C, Howorka A, Giovanoli P, Buchsbaum S, Krieger S, Tschachler E, Petzelbauer P, **Kerjaschki D** (2008)

Lymphatic Precollectors Contain a Novel, Specialized Subpopulation of Podoplaninlow, CCL27-Expressing Lymphatic Endothelial Cells. *Am J Pathol.* **173**:1202-1209.

Hartleben B, Schweizer H, Lübben P, Bartram MP, Möller CC, Herr R, Wei C, Neumann-Haefelin E, Schermer B, Zentgraf H, **Kerjaschki D**, Reiser J, Walz G, Benzing T, Huber TB (2008) Neph- Nephtrin Proteins Bind the Par3-Par6-Atypical Protein Kinase C (aPKC) Complex to Regulate Podocyte Cell Polarity. *J Biol Chem.* **283**:23033-23038.

Plaisier E, Gribouval O, Alamowitch S, Mougnot B, Prost C, Verpont MC, Marro B, Desmettre T, Cohen SY, Roullet E, Dracon M, Fardeau M, van Agtmael T, **Kerjaschki D**, Antignac C, Ronco P (2007) COL4A1 Mutations and Hereditary Angiopathy with Nephropathy, Aneurysm and Muscle Cramps (HANAC) Syndrome. *N Engl J Med* **357**:2687-2695.

Sever S, Altintas MM, Nankoe SR, Moller CC, Ko D, Wei C, Henderson J, Del Re EC, Hsing L, Erickson A, Cohen CD, Kretzler M, **Kerjaschki D**, Rudensky A, Nikolic B, Reiser J (2007) Proteolytic processing of dynamin by cytoplasmic cathepsin L is a mechanism for proteinuric kidney disease. *J Clin Invest.* **117**:2095-2104.

Huber TB, Schermer B, Muller RU, Hohne M, Bartram M, Calixto A, Hagmann H, Reinhardt C, Koos F, Kunzelmann K, Shirokova E, Krautwurst D, Harteneck C, Simons M, Pavenstadt H, **Kerjaschki D**, Thiele C, Walz G, Chalfie M, Benzing T (2006) Podocin and MEC-2 bind cholesterol to regulate the activity of associated ion channels. *Proc Natl Acad Sci U S A.* **103**:17079-17086.

Wicki A, Lehembre F, Wick N, Hantusch B, **Kerjaschki D**, Christofori G (2006) Tumor invasion in the absence of epithelial-mesenchymal transition : Podoplanin-mediated remodeling of the actin cytoskeleton. *Cancer Cell* **9**:261-272.

Kerjaschki D, Huttary N, Raab I, Regele H, Bojarski-Nagy K, Bartel G, Krober SM, Greinix H, Rosenmaier A, Karlhofer F, Wick N, Mazal PR (2006) Lymphatic endothelial progenitor cells contribute to de novo lymphangiogenesis in human renal transplants. *Nat Med* **12**:230-234.

Kerjaschki D (2005) The crucial role of macrophages in lymphangiogenesis. *J Clin Invest* **115**:2316-2319

Additional References

Matsui K, Nagy-Bojarsky K, Laakkonen P, Krieger S, Mechtler K, Uchida S, Geleff S, Kang Wick N, Saharinen P, Saharinen J, Gurnhofer E, Steiner CW, Raab I, Stokic D, Giovanoli P, Buchsbaum S, Burchard A, Thurner S, Alitalo K and **Kerjaschki D** (2007) Transcriptomal comparison of human dermal lymphatic endothelial cells ex vivo and in vitro. *Physiol Genomics* **28**(2):179-192.

Hantusch B, Kalt R, Krieger S, Puri C and **Kerjaschki D** (2007) Sp1/Sp3 and DNA-methylation contribute to basal transcriptional activation of human podoplanin in MG63 versus Saos-2 osteoblastic cells. *BMC Mol Biol* **8**:20.

Matsui K, Nagy-Bojarsky K, Laakkonen P, Krieger S, Mechtler K, Uchida S, Geleff S, Kang DH, Johnson RJ and **Kerjaschki D** (2003) Lymphatic microvessels in the rat remnant kidney

model of renal fibrosis: aminopeptidase p and podoplanin are discriminatory markers for endothelial cells of blood and lymphatic vessels. *J Am Soc Nephrol* **14**(8):1981-1989.

Kriehuber E, Breiteneder-Geleff S, Groeger M, Soleiman A, Schoppmann SF, Stingl G, **Kerjaschki D** and Maurer D (2001) Isolation and characterization of dermal lymphatic and blood endothelial cells reveal stable and functionally specialized cell lineages. *J Exp Med* **194**(6):797-808.

Breiteneder-Geleff S, Soleiman A, Kowalski H, Horvat R, Amann G, Kriehuber E, Diem K, Weninger W, Tschachler E, Alitalo K and **Kerjaschki D** (1999) Angiosarcomas express mixed endothelial phenotypes of blood and lymphatic capillaries: podoplanin as a specific marker for lymphatic endothelium. *Am J Pathol* **154**(2):385-394.