

❖ 2009 Publications

Iyoda M, Hudkins KL, Becker-Herman S, Wietecha TA, Banas MC, Guo S, Meyer-Bahlburg A, Kowalewska J, Liu G, Ziegler SF, Rawlings DJ, Alpers CE. Imatinib suppresses cryoglobulinemia and secondary membranoproliferative glomerulonephritis. *J Am Soc Nephrol*. 2009 Jan;20(1):68-77.

Hughes GC, Martin D, Zhang K, Hudkins KL, Alpers CE, Clark EA, Elkon KB. Decrease in glomerulonephritis and Th1-associated autoantibody production after progesterone treatment in NZB/NZW mice. *Arthritis Rheum*. 2009 Jun;60(6):1775-84.

Guo S, Muhlfeld AS, Wietecha TA, Peutz-Kootstra CJ, Kowalewska J, Yi K, Spencer M, Pichaiwong W, Nimmerjahn F, Hudkins KL, Alpers CE. Deletion of activating Fcγ receptors does not confer protection in murine cryoglobulinemia-associated membranoproliferative glomerulonephritis. *Am J Pathol*. 2009 Jul;175(1):107-18.

❖ 2008 Publications

Taneda S, Hudkins KL, Muhlfeld AS, Kowalewska J, Pippin JW, Shankland SJ, Alpers CE. Protease nexin-1, tPA, and PAI-1 are upregulated in cryoglobulinemic membranoproliferative glomerulonephritis. *J Am Soc Nephrol*. 2008 Feb;19(2):243-51.

Murray SM, Picker LJ, Axthelm MK, Hudkins K, Alpers CE, Linial ML. Replication in a superficial epithelial cell niche explains the lack of pathogenicity of primate foamy virus infections. *J Virol*. 2008 Jun;82(12):5981-5.

Liu G, Changsirikulchai S, Hudkins KL, Banas MC, Kowalewska J, Yang X, Wietecha TA, Volpone J, Gilbertson DG, Alpers CE. Identification of platelet-derived growth factor D in human chronic allograft nephropathy. *Hum Pathol*. 2008 Mar;39(3):393-402.

Guo S, Kowalewska J, Wietecha TA, Iyoda M, Wang L, Yi K, Spencer M, Banas M, Alexandrescu S, Hudkins KL, Alpers CE. Renin-angiotensin system blockade is renoprotective in immune complex-mediated glomerulonephritis. *J Am Soc Nephrol*. 2008 Jun;19(6):1168-76.

Banas MC, Banas B, Hudkins KL, Wietecha TA, Iyoda M, Bock E, Hauser P, Pippin JW, Shankland SJ, Smith KD, Stoelcker B, Liu G, Grone HJ, Kramer BK, Alpers CE. TLR4 links podocytes with the innate immune system to mediate glomerular injury. *J Am Soc Nephrol*. 2008 Apr;19(4):704-13.

❖ 2007 Publications

Mayer V, Hudkins KL, Heller F, Schmid H, Kretzler M, Brandt U, Anders HJ, Regele H, Nelson PJ, Alpers CE, Schlondorff D, Segerer S. Expression of the chemokine receptor CCR1 in human renal allografts. *Nephrol Dial Transplant*. 2007 Jun;22(6):1720-9.

Kowalewska J, Muhlfeld AS, Hudkins KL, Yeh MM, Farr AG, Ravetch JV, Alpers CE. Thymic stromal lymphopoietin transgenic mice develop cryoglobulinemia and hepatitis with similarities to human hepatitis C liver disease. *Am J Pathol*. 2007 Mar;170(3):981-9.

Iyoda M, Hudkins KL, Wietecha TA, Banas MC, Guo S, Liu G, Wang L, Kowalewska J, Alpers CE. All-trans-retinoic acid aggravates cryoglobulin-associated membranoproliferative glomerulonephritis in mice. *Nephrol Dial Transplant*. 2007 Dec;22(12):3451-61.

Campbell JS, Johnson MM, Bauer RL, Hudkins KL, Gilbertson DG, Riehle KJ, Yeh MM, Alpers CE, Fausto N. Targeting stromal cells for the treatment of platelet-derived growth factor C-induced hepatocellular carcinogenesis. *Differentiation*. 2007 Nov;75(9):843-52.

Banas MC, Parks WT, Hudkins KL, Banas B, Holdren M, Iyoda M, Wietecha TA, Kowalewska J, Liu G, Alpers CE. Localization of TGF-beta signaling intermediates Smad2, 3, 4, and 7 in developing and mature human and mouse kidney. *J Histochem Cytochem*. 2007 Mar;55(3):275-85.

Astrakhan A, Omori M, Nguyen T, Becker-Herman S, Iseki M, Aye T, Hudkins K, Dooley J, Farr A, Alpers CE, Ziegler SF, Rawlings DJ. Local increase in thymic stromal lymphopoietin induces systemic alterations in B cell development. *Nat Immunol*. 2007 May;8(5):522-31.

❖ 2006 Publications

Wootton SK, Metzger MJ, Hudkins KL, Alpers CE, York D, DeMartini JC, Miller AD. Lung cancer induced in mice by the envelope protein of jaagsiekte sheep retrovirus (JSRV) closely resembles lung cancer in sheep infected with JSRV. *Retrovirology*. 2006;3:94.

Kowalewska J, Smith KD, Hudkins KL, Chang A, Fogo AB, Houghton D, Leslie D, Aitchison J, Nicosia RF, Alpers CE. Membranous glomerulopathy with spherules: an uncommon variant with obscure pathogenesis. *Am J Kidney Dis*. 2006 Jun;47(6):983-92.

Hsieh PC, Kenagy RD, Mulvihill ER, Jeanette JP, Wang X, Chang CM, Yao Z, Ruzzo WL, Justice S, Hudkins KL, Alpers CE, Berceci S, Clowes AW. Bone morphogenetic protein 4: potential regulator of shear stress-induced graft neointimal atrophy. *J Vasc Surg*. 2006 Jan;43(1):150-8.

❖ 2004 Publications

Spencer MW, Muhlfeld AS, Segerer S, Hudkins KL, Kirk E, LeBoeuf RC, Alpers CE. Hyperglycemia and hyperlipidemia act synergistically to induce renal disease in LDL receptor-deficient BALB mice. *Am J Nephrol*. 2004 Jan-Feb;24(1):20-31.

Muhlfeld AS, Spencer MW, Hudkins KL, Kirk E, LeBoeuf RC, Alpers CE. Hyperlipidemia aggravates renal disease in B6.ROP Os/+ mice. *Kidney Int*. 2004 Oct;66(4):1393-402.

Muhlfeld AS, Segerer S, Hudkins K, Farr AG, Bao L, Kraus D, Holers VM, Quigg RJ, Alpers CE. Overexpression of complement inhibitor Crry does not prevent cryoglobulin-associated membranoproliferative glomerulonephritis. *Kidney Int*. 2004 Apr;65(4):1214-23.

Hudkins KL, Gilbertson DG, Carling M, Taneda S, Hughes SD, Holdren MS, Palmer TE, Topouzis S, Haran AC, Feldhaus AL, Alpers CE. Exogenous PDGF-D is a potent

mesangial cell mitogen and causes a severe mesangial proliferative glomerulopathy. J Am Soc Nephrol. 2004 Feb;15(2):286-98.

Eis V, Luckow B, Vielhauer V, Siveke JT, Linde Y, Segerer S, Perez De Lema G, Cohen CD, Kretzler M, Mack M, Horuk R, Murphy PM, Gao JL, Hudkins KL, Alpers CE, Grone HJ, Schlondorff D, Anders HJ. Chemokine receptor CCR1 but not CCR5 mediates leukocyte recruitment and subsequent renal fibrosis after unilateral ureteral obstruction. J Am Soc Nephrol. 2004 Feb;15(2):337-47.

Anders HJ, Belemezova E, Eis V, Segerer S, Vielhauer V, Perez de Lema G, Kretzler M, Cohen CD, Frink M, Horuk R, Hudkins KL, Alpers CE, Mampaso F, Schlondorff D. Late onset of treatment with a chemokine receptor CCR1 antagonist prevents progression of lupus nephritis in MRL-Fas(lpr) mice. J Am Soc Nephrol. 2004 Jun;15(6):1504-13.

❖ 2003 Publications

Taneda S, Pippin JW, Sage EH, Hudkins KL, Takeuchi Y, Couser WG, Alpers CE. Amelioration of diabetic nephropathy in SPARC-null mice. J Am Soc Nephrol. 2003 Apr;14(4):968-80.

Taneda S, Hudkins KL, Topouzis S, Gilbertson DG, Ophascharoensuk V, Truong L, Johnson RJ, Alpers CE. Obstructive uropathy in mice and humans: potential role for PDGF-D in the progression of tubulointerstitial injury. J Am Soc Nephrol. 2003 Oct;14(10):2544-55.

Taneda S, Hudkins KL, Cui Y, Farr AG, Alpers CE, Segerer S. Growth factor expression in a murine model of cryoglobulinemia. Kidney Int. 2003 Feb;63(2):576-90.

Muhlfeld AS, Segerer S, Hudkins K, Carling MD, Wen M, Farr AG, Ravetch JV, Alpers CE. Deletion of the fcγ receptor 1b in thymic stromal lymphopoietin transgenic mice aggravates membranoproliferative glomerulonephritis. Am J Pathol. 2003 Sep;163(3):1127-36.

❖ 2002 Publications

Wen M, Segerer S, Dantas M, Brown PA, Hudkins KL, Goodpaster T, Kirk E, LeBoeuf RC, Alpers CE. Renal injury in apolipoprotein E-deficient mice. Lab Invest. 2002 Aug;82(8):999-1006.

Segerer S, Hughes E, Hudkins KL, Mack M, Goodpaster T, Alpers CE. Expression of the fractalkine receptor (CX3CR1) in human kidney diseases. Kidney Int. 2002 Aug;62(2):488-95.

Segerer S, Hudkins KL, Taneda S, Wen M, Cui Y, Segerer M, Farr AG, Alpers CE. Oral interferon-alpha treatment of mice with cryoglobulinemic glomerulonephritis. Am J Kidney Dis. 2002 Apr;39(4):876-88.

Segerer S, Eitner F, Cui Y, Hudkins KL, Alpers CE. Cellular injury associated with renal thrombotic microangiopathy in human immunodeficiency virus-infected macaques. J Am Soc Nephrol. 2002 Feb;13(2):370-8.

Changsirikulchai S, Hudkins KL, Goodpaster TA, Volpone J, Topouzis S, Gilbertson DG, Alpers CE. Platelet-derived growth factor-D expression in developing and mature human kidneys. *Kidney Int.* 2002 Dec;62(6):2043-54.

Alpers CE, Hudkins KL, Segerer S, Sage EH, Pichler R, Couser WG, Johnson RJ, Bassuk JA. Localization of SPARC in developing, mature, and chronically injured human allograft kidneys. *Kidney Int.* 2002 Dec;62(6):2073-86.

❖ 2001 Publications

Taneda S, Segerer S, Hudkins KL, Cui Y, Wen M, Segerer M, Wener MH, Khairallah CG, Farr AG, Alpers CE. Cryoglobulinemic glomerulonephritis in thymic stromal lymphopoietin transgenic mice. *Am J Pathol.* 2001 Dec;159(6):2355-69.

Stokes MB, Hudkins KL, Zaharia V, Taneda S, Alpers CE. Up-regulation of extracellular matrix proteoglycans and collagen type I in human crescentic glomerulonephritis. *Kidney Int.* 2001 Feb;59(2):532-42.

Segerer S, Cui Y, Eitner F, Goodpaster T, Hudkins KL, Mack M, Cartron JP, Colin Y, Schlondorff D, Alpers CE. Expression of chemokines and chemokine receptors during human renal transplant rejection. *Am J Kidney Dis.* 2001 Mar;37(3):518-31.

Hudkins KL, Le QC, Segerer S, Johnson RJ, Davis CL, Giachelli CM, Alpers CE. Osteopontin expression in human cyclosporine toxicity. *Kidney Int.* 2001 Aug;60(2):635-40.

❖ 2000 Publications

Stokes MB, Holler S, Cui Y, Hudkins KL, Eitner F, Fogo A, Alpers CE. Expression of decorin, biglycan, and collagen type I in human renal fibrosing disease. *Kidney Int.* 2000 Feb;57(2):487-98.

Shankland SJ, Eitner F, Hudkins KL, Goodpaster T, D'Agati V, Alpers CE. Differential expression of cyclin-dependent kinase inhibitors in human glomerular disease: role in podocyte proliferation and maturation. *Kidney Int.* 2000 Aug;58(2):674-83.

Segerer S, Cui Y, Hudkins KL, Goodpaster T, Eitner F, Mack M, Schlondorff D, Alpers CE. Expression of the chemokine monocyte chemoattractant protein-1 and its receptor chemokine receptor 2 in human crescentic glomerulonephritis. *J Am Soc Nephrol.* 2000 Dec;11(12):2231-42.

Hudkins KL, Giachelli CM, Eitner F, Couser WG, Johnson RJ, Alpers CE. Osteopontin expression in human crescentic glomerulonephritis. *Kidney Int.* 2000 Jan;57(1):105-16.

Eitner F, Cui Y, Hudkins KL, Stokes MB, Segerer S, Mack M, Lewis PL, Abraham AA, Schlondorff D, Gallo G, Kimmel PL, Alpers CE. Chemokine receptor CCR5 and CXCR4 expression in HIV-associated kidney disease. *J Am Soc Nephrol.* 2000 May;11(5):856-67.

Eitner F, Cui Y, Grouard-Vogel G, Hudkins KL, Schmidt A, Birkebak T, Agy MB, Hu SL, Morton WR, Anderson DM, Clark EA, Alpers CE. Rapid shift from virally infected cells to

germinal center-retained virus after HIV-2 infection of macaques. Am J Pathol. 2000 Apr;156(4):1197-207.

❖ 1999 Publications

Hudkins KL, Giachelli CM, Cui Y, Couser WG, Johnson RJ, Alpers CE. Osteopontin expression in fetal and mature human kidney. J Am Soc Nephrol. 1999 Mar;10(3):444-57.

Floege J, Hudkins KL, Eitner F, Cui Y, Morrison RS, Schelling MA, Alpers CE. Localization of fibroblast growth factor-2 (basic FGF) and FGF receptor-1 in adult human kidney. Kidney Int. 1999 Sep;56(3):883-97.

Eitner F, Cui Y, Hudkins KL, Schmidt A, Birkebak T, Agy MB, Hu SL, Morton WR, Anderson DM, Alpers CE. Thrombotic microangiopathy in the HIV-2-infected macaque. Am J Pathol. 1999 Aug;155(2):649-61.

❖ 1998 Publications

O'Brien KD, Olin KL, Alpers CE, Chiu W, Ferguson M, Hudkins K, Wight TN, Chait A. Comparison of apolipoprotein and proteoglycan deposits in human coronary atherosclerotic plaques: colocalization of biglycan with apolipoproteins. Circulation. 1998 Aug 11;98(6):519-27.

Floege J, Hudkins KL, Davis CL, Schwartz SM, Alpers CE. Expression of PDGF alpha-receptor in renal arteriosclerosis and rejecting renal transplants. J Am Soc Nephrol. 1998 Feb;9(2):211-23.

Eitner F, Cui Y, Hudkins KL, Anderson DM, Schmidt A, Morton WR, Alpers CE. Chemokine receptor (CCR5) expression in human kidneys and in the HIV infected macaque. Kidney Int. 1998 Dec;54(6):1945-54.

Eitner F, Cui Y, Hudkins KL, Alpers CE. Chemokine receptor (CXCR4) mRNA-expressing leukocytes are increased in human renal allograft rejection. Transplantation. 1998 Dec 15;66(11):1551-7.

Combs HL, Shankland SJ, Setzer SV, Hudkins KL, Alpers CE. Expression of the cyclin kinase inhibitor, p27kip1, in developing and mature human kidney. Kidney Int. 1998 Apr;53(4):892-6.

❖ 1997 Publications

Floege J, Hudkins KL, Seifert RA, Francki A, Bowen-Pope DF, Alpers CE. Localization of PDGF alpha-receptor in the developing and mature human kidney. Kidney Int. 1997 Apr;51(4):1140-50.

Alpers CE, Tsai CC, Hudkins KL, Cui Y, Kuller L, Benveniste RE, Ward JM, Morton WR. Focal segmental glomerulosclerosis in primates infected with a simian immunodeficiency virus. AIDS Res Hum Retroviruses. 1997 Mar 20;13(5):413-24.

❖ 1996 Publications

Alpers CE, Davis CL, Barr D, Marsh CL, Hudkins KL. Identification of platelet-derived growth factor A and B chains in human renal vascular rejection. *Am J Pathol.* 1996 Feb;148(2):439-51.

❖ 1995 Publications

Alpers CE, Hudkins KL, Ferguson M, Johnson RJ, Rutledge JC. Platelet-derived growth factor A-chain expression in developing and mature human kidneys and in Wilms' tumor. *Kidney Int.* 1995 Jul;48(1):146-54.

❖ 1994 Publications

Alpers CE, Hudkins KL, Floege J, Johnson RJ. Human renal cortical interstitial cells with some features of smooth muscle cells participate in tubulointerstitial and crescentic glomerular injury. *J Am Soc Nephrol.* 1994 Aug;5(2):201-9.

❖ 1993 Publications

Bacchi CE, Marsh CL, Perkins JD, Carithers RL, Jr., McVicar JP, Hudkins KL, Benjamin CD, Harlan JM, Lobb R, Alpers CE. Expression of vascular cell adhesion molecule (VCAM-1) in liver and pancreas allograft rejection. *Am J Pathol.* 1993 Feb;142(2):579-91.

Alpers CE, Seifert RA, Hudkins KL, Johnson RJ, Bowen-Pope DF. PDGF-receptor localizes to mesangial, parietal epithelial, and interstitial cells in human and primate kidneys. *Kidney Int.* 1993 Feb;43(2):286-94.

Alpers CE, Hudkins KL, Ferguson M, Johnson RJ, Schatteman GC, Bothwell M. Nerve growth factor receptor expression in fetal, mature, and diseased human kidneys. *Lab Invest.* 1993 Dec;69(6):703-13.

Alpers CE, Hudkins KL, Davis CL, Marsh CL, Riches W, McCarty JM, Benjamin CD, Carlos TM, Harlan JM, Lobb R. Expression of vascular cell adhesion molecule-1 in kidney allograft rejection. *Kidney Int.* 1993 Oct;44(4):805-16.

❖ 1992 Publications

Alpers CE, Seifert RA, Hudkins KL, Johnson RJ, Bowen-Pope DF. Developmental patterns of PDGF B-chain, PDGF-receptor, and alpha-actin expression in human glomerulogenesis. *Kidney Int.* 1992 Aug;42(2):390-9.

Alpers CE, Hudkins KL, Gown AM, Johnson RJ. Enhanced expression of "muscle-specific" actin in glomerulonephritis. *Kidney Int.* 1992 May;41(5):1134-42.

❖ 1991 Publications

Alpers CE, Hudkins KL, Pritzl P, Johnson RJ. Mechanisms of clearance of immune complexes from peritubular capillaries in the rat. *Am J Pathol.* 1991 Oct;139(4):855-67.

