

Charles Heilig, M.D.

Heilig C, Brosius F. Roles for Glucose Transporters in Diabetic Kidney Disease. *Recent Research Developments in Physiology*, 2: 471-481, 2004.

Park J, **Heilig C**, Brosius F. GLUT1-Deficient Mice Exhibit Impaired Endothelium-Dependent Vascular Relaxation. *European Journal of Pharmacology* 496 (1-3): 213-214, 2004.

Brosius F, **Heilig C**. Review of Diabetic Nephropathy. *Pediatr Nephrol*. Apr;20(4):447-51, 2005.

Breyer MD, Bottinger E, Brosius FC 3rd, Coffman TM, Harris RC, **Heilig CW**, Sharma K; AMDCC. Mouse Models of Diabetic Nephropathy. *J Am Soc Nephrol*. Jan;16(1):27-45, 2005.

Breyer MD, Bottinger E, Brosius FC, Coffman TM, Fogo A, Harris RC, **Heilig CW**, Sharma K. Diabetic nephropathy: Of Mice and Men. *Adv Chronic Kidney Dis*. Apr;12(2):128-45, 2005.

Heilig C, Brosius F, Cunningham C. Role for GLUT1 in Diabetic Glomerulosclerosis. *Expert Reviews in Molecular Medicine* 8(4): 1-18, 2006.

Heilig C. Glucose Transporter Involvement in Diabetic Kidney Disease. In: *The Diabetic Kidney* (Clinical Diabetes Series). C. Mogensen & P. Cortes, Editors, Humana Press, 2006.

Wang Y, Zhou Z, Minto A, Hack B, Alexander J, Haas M, Li Y, **Heilig C**, Quigg R. Altered vitamin D metabolism in glomeruli of mice with Type 2 diabetes mellitus: potential protective role in diabetic nephropathy. *Kidney Int*. 70(5):882-90, 2006.

Heilig C, Wang Y. Glucose Transporters in Normal & Diabetic Kidneys. *Current Enzyme Inhibition* 2(3):305-310, 2006.

Pfäfflin A, Brodbeck K, **Heilig C**, Häring H, Schleicher E, Weigert C. Increased glucose uptake and metabolism in mesangial cells overexpressing glucose transporter 1 increases interleukin-6 and vascular endothelial growth factor production: role of AP-1 and HIF-1a. *Cellular Physiology and Biochemistry* 18(4-5):199-210, 2006.

Vesely E, **Heilig C**, Brosius III F. GLUT1 Induced cFLIP Expression Promotes Proliferation and Prevents Apoptosis in Vascular Smooth Muscle Cells. *Am. J. Physiol. Cell Physiol*. July 8, 2009 (E-Pub. Ahead of print).

Wang Y, Heilig K, Minto A, Chen S, Xiang M, Dean D, Geiger R, Chang A, Pravtcheva D, Schlimme M, Deb D, Wang Y, Quigg R, **Heilig C**. Nephron-Deficient FVB Mice Develop Rapidly Progressive Renal Failure & Heavy Albuminuria Involving Excess Glomerular GLUT1 & VEGF. *Lab. Invest*. In Press, 2009.