

## Publications

### Familial Focal Segmental Glomerulosclerosis (FSGS)

Hall G, Lane B, Chryst-Ladd M, Wu G, Lin JJ, Qin X, Hauser ER, Gbadegesin R. *Dysregulation of WTI (-KTS) is Associated with the Kidney-Specific Effects of the LMX1B R246Q Mutation.* [Sci Rep. 2017 Jan 6;7:39933.](#)

Phelan PJ, Hall G, Wigfall D, Foreman J, Nagaraj S, Malone AF, Winn MP, Howell DN, Gbadegesin R. *Variability in phenotype induced by the podocin variant R229Q plus a single pathogenic mutation.* [Clin Kidney J. 2015 Oct;8\(5\):538-42.](#)

Gbadegesin RA, Adeyemo A, Webb NJ, Greenbaum LA, Abeyagunawardena A, Thalgahagoda S, Kale A, Gipson D, Srivastava T, Lin JJ, Chand D, Hunley TE, Brophy PD, Bagga A, Sinha A, Rheault MN, Ghali J, Nicholls K, Abraham E, Janjua HS, Omoloja A, Barletta GM, Cai Y, Milford DD, O'Brien C, Awan A, Belostotsky V, Smoyer WE, Homstad A, Hall G, Wu G, Nagaraj S, Wigfall D, Foreman J, Winn MP; Mid-West Pediatric Nephrology Consortium. *HLA-DQA1 and PLCG2 Are Candidate Risk Loci for Childhood-Onset Steroid-Sensitive Nephrotic Syndrome.* [J Am Soc Nephrol. 2015 Jul;26\(7\):1701-10.](#)

Malone AF, Phelan PJ, Hall G, Cetincelik U, Homstad A, Alonso AS, Jiang R, Lindsey TB, Wu G, Sparks MA, Smith SR, Webb NJ, Kalra PA, Adeyemo AA, Shaw AS, Conlon PJ, Jennette JC, Howell DN, Winn MP, Gbadegesin RA. *Rare hereditary COL4A3/COL4A4 variants may be mistaken for familial focal segmental glomerulosclerosis.* [Kidney Int. 2014 Dec;86\(6\):1253-9.](#)

Hall G, Gbadegesin RA, Lavin P, Wu G, Liu Y, Oh EC, Wang L, Spurney RF, Eckel J, Lindsey T, Homstad A, Malone AF, Phelan PJ, Shaw A, Howell DN, Conlon PJ, Katsanis N, Winn MP. *A novel missense mutation of Wilms' Tumor 1 causes autosomal dominant FSGS.* [J Am Soc Nephrol. 2015 Apr;26\(4\):831-43.](#)

Hall G, Rowell J, Farinelli F, Gbadegesin RA, Lavin P, Wu G, Homstad A, Malone A, Lindsey T, Jiang R, Spurney R, Tomaselli GF, Kass DA, Winn MP. *Phosphodiesterase 5 inhibition ameliorates angiotensin II-induced podocyte dysmotility via the protein kinase G-mediated downregulation of TRPC6 activity.* [Am J Physiol Renal Physiol. 2014 Jun 15;306\(12\):F1442-50.](#)

Gbadegesin RA, Hall G, Adeyemo A, Hanke N, Tossidou I, Burchette J, Wu G, Homstad A, Sparks MA, Gomez J, Jiang R, Alonso A, Lavin P, Conlon P, Korstanje R, Stander MC, Shamsan G, Barua M, Spurney R, Singhal PC, Kopp JB, Haller H, Howell D, Pollak MR, Shaw AS, Schiffer M, Winn MP. *Mutations in the gene that encodes the F-actin binding protein anillin cause FSGS.* [J Am Soc Nephrol. 2014 Sep;25\(9\):1991-2002.](#)

Gbadegesin RA, Brophy PD, Adeyemo A, Hall G, Gupta IR, Hains D, Bartkowiak B, Rabinovich CE, Chandrasekharappa S, Homstad A, Westreich K, Wu G, Liu Y, Holanda D, Clarke J, Lavin P, Selim A, Miller S, Wiener JS, Ross SS, Foreman J, Rotimi C, Winn MP. *TNXB mutations can cause vesicoureteral reflux.* [J Am Soc Nephrol. 2013 Jul;24\(8\):1313-22.](#)

Gbadegesin RA, Winn MP, Smoyer WE. *Genetic testing in nephrotic syndrome--challenges and opportunities.* [Nat Rev Nephrol. 2013 Mar;9\(3\):179-84.](#)

Malik TH, Lavin PJ, Goicoechea de Jorge E, Vernon KA, Rose KL, Patel MP, de Leeuw M, Neary JJ, Conlon PJ, Winn MP, Pickering MC. *A Hybrid CFHR3-1 Gene Causes Familial C3 Glomerulopathy.* [J Am Soc Nephrol. 2012 May 24.](#)

Akilesh S, Suleiman H, Yu H, Stander MC, Lavin P, Antignac C, Pollak M, Winn MP, Shaw AS. *Arhgap24 inactivates Rac1 in mouse podocytes, and a mutant form is associated with familial focal segmental glomerulosclerosis.* [J Clin Invest. 2011 Oct;121\(10\):4127-37.](#)

Gbadegesin RA, Lavin PJ, Hall G, Bartkowiak B, Homstad A, Jiang R, Wu G, Byrd A, Lynn K, Wolfish N, Ottati C, Stevens P, Howell D, Conlon P, Winn MP. *Inverted formin 2 mutations with variable expression in patients with sporadic and hereditary focal and segmental glomerulosclerosis.* [Kidney Int. 2012 Jan;81\(1\):94-9.](#)

Luo X, Hall G, Li S, Bird A, Lavin PJ, Winn MP, Kemper A, Brown T, Koeberl DD. *Hepatorenal correction in murin glycogen storage disease type 1 with a double-stranded adeno-associated virus vector.* [Mol Ther. 2011 Nov;19\(11\):1961-70.](#)

Gbadegesin R, Lavin P, Foreman J, Winn MP. *Pathogenesis and therapy of focal segmental glomerulosclerosis: an update.* [Pediatr Nephrol. 2011 Jul;26\(7\):1001-15.](#)

Eckel J, Lavin PJ, Finch EA, Mukerji N, Burch J, Gbadegesin R, Wu G, Bowling B, Byrd A, Hall G, Sparks M, Zhang ZS, Homstad A, Barisoni L, Birnbaumer L, Rosenberg P, Winn MP. *TRPC6 enhances angiotensin II-induced albuminuria.* [J Am Soc Nephrol. 2011 Mar;22\(3\):526-35.](#)

Gbadegesin R, Lavin P, Janssens L, Bartkowiak B, Homstad A, Wu G, Bowling B, Eckel J, Potocky C, Abbott D, Conlon P, Scott WK, Howell D, Hauser E, Winn MP. *A New Locus for Familial FSGS on Chromosome 2p.* [J Am Soc Nephrol. 2010 Aug;21\(8\):1390-7.](#)

Seth M, Zhang Z, Mao L, Graham V, Burch J, Stiber J, Tsiokas L, Winn MP, Abramowitz J, Rockman HA, Birnbaumer L, Rosenberg P. *TRPC1 channels are critical for hypertrophic signaling in the heart.* [Circ Research. 2009 Nov 6;105\(10\):1023-30.](#)

Gbadegesin R, Bartkowiak B, Lavin PJ, Mukerji N, Wu G, Bowling B, Eckel J, Damodaran T, Winn MP. *Exclusion of homozygous PLCE1 (NPHS3) mutations in 69 families with idiopathic and hereditary FSGS.* [Pediatr Nephrol. 2009 Feb; 24\(2\):281-5.](#)

Lavin P, Gbadegesin R, Damodaran TV, Winn MP. *Therapeutic targets in FSGS.* [Curr Opin Nephrol and Hyperten. 2008 Jul; 17\(4\):386-392.](#)

Winn MP. 2007 Young Investigator Award: *TRP'ing into a New Era for Glomerular Disease.* [J Am Soc Nephrol. 2008 Jun;19\(6\):1071-5.](#)

Mukerji N, Damodaran TV and Winn MP. *TRPC6 and FSGS: The Latest TRP Channelopathy.* [Biochimica et Biophysica Acta; Molecular Basis of Disease, Special Issue The Role of TRP Channels in Disease, 2007; 1772: 859-868.](#)

Daskalakis N and Winn MP. *Human genome and diseases: Glomerulosclerosis.* [Cellular and Molecular Life Sciences, Cell Mol Life Sci. 2006 Sep 4 .](#)

Winn, MP, Daskalakis N, Spurney RF, Middleton, JP. *Unexpected Role of TRPC6 Channel in Familial Nephrotic Syndrome: Does it Have Clinical Implications?* [Journal of the American Society of Nephrology, 2006 Feb;17\(2\):378-87.](#)

Winn MP, Conlon PJ, Lynn KL, Farrington MK, Creazzo T, Hawkins AF, Daskalakis N, Kwan SY, Ebersviller S, Burchette JL, Pericak-Vance MA, Howell DN, Vance JM, Rosenberg PB. *A Mutation in the TRPC6 Cation Channel Causes Familial Focal Segmental Glomerulosclerosis.* [Science 2005 0: 1106215](#)

Winn MP. *Not all in the family: mutations of podocin in sporadic steroid-resistant nephrotic syndrome.* [J Am Soc Nephrology 13\(2\):577-579, 2002.](#)

Neary JJ, Conlon PJ, Croke D, Dorman A, Keogan M, Zhang F, Vance JM, Pericak-Vance MA, Scott WK, Winn MP. *Linkage of a gene causing familial membranoproliferative glomerulonephritis type III to chromosome 1.* [J Am Soc Nephrol 13\(30\):2025-2057, 2002.](#)

Hsu SI, Ramirez SB, Winn MP, Bonventre JV, Owen WF. *Evidence for genetic factors in the development and progression IgA nephropathy.* [Kidney International 57\(5\):1818-1835, 2000.](#)

Winn MP, Conlon PJ, Lynn KL, Howell DN, Gross DA, Rogala AR, Smith AH, Graham FL, Bembe M, Quarles LD, Pericak-Vance MA, Vance JM. *Clinical and genetic heterogeneity in familial focal segmental glomerulosclerosis. International Collaborative Group for the Study of Familial Focal Segmental Glomerulosclerosis.* [Kidney International 55\(4\):1241-6, 1999.](#)

Winn MP, Conlon PJ, Lynn KL, Howell DN, Slotterbeck BD, Smith AH, Graham FL, Bembe M, Quarles LD, Pericak-Vance MA, Vance JM. *Linkage of a gene causing familial focal segmental glomerulosclerosis to chromosome 11 and further evidence of genetic heterogeneity.* [Genomics 58\(2\):113-20, 1999.](#)

Conlon PJ, Lynn K, Winn MP, Quarles LD, Bembe ML, Pericak-Vance M, Speer M, Howell DN. *Spectrum of disease in familial focal and segmental glomerulosclerosis.* [Kidney International 56\(5\):1863-71, 1999.](#)

Conlon PJ et al. *Clinical And Pathological Features of Familial Focal Segmental Glomerulosclerosis.* [American Journal of Kidney Diseases 26\(1\):34-40, 1995.](#)