



## Publications from the NEPTUNE Consortium

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1. Gadegbeku CA, Gipson DS, Holzman L, et al. [Design of the Nephrotic Syndrome Study Network \(NEPTUNE\) to evaluate primary glomerular nephropathy by a multi-disciplinary approach](#). *Kidney international*. 2013;83(4):749-756. doi:10.1038/ki.2012.428
2. Barisoni L, Nast CC, Jennette JC, et al. [Digital Pathology Evaluation in the Multicenter Nephrotic Syndrome Study Network \(NEPTUNE\)](#). *Clin J Am Soc Nephrol*. 2013;8:1449-1459. PMID: 23393107. PMCID: PMC3731905
3. Sampson M & Juppner H. [Genes, Exomes, Genomes, Copy Number: What is The Future in Pediatric Renal Disease?](#) *Curr Pediatr Rep*. 2013;1:52-59. DOI: 10.1007/s40124-012-0001-5
4. Wickman L, Afshinnia F, Wang SQ, et al. [Urine Podocyte mRNAs, Proteinuria, and Progression in Human Glomerular Diseases](#). *J Am Soc Nephrol*. 2013;24(12):2081-2095. PMID: 24052633, PMCID: PMC3839551
5. Hogan M, Johnson K, Zenka R, et al. [Subfractionation, characterization, and in-depth proteomic analysis of glomerular membrane vesicles in human urine](#). *Kidney International*. 2014;85:1225–1237; doi:10.1038/ki.2013.422. PMID: 24196483, PMCID: PMC4008663
6. Canetta PA, Kiryluk K, Appel GB. [Glomerular Diseases: Emerging Tests and Therapies for IgA Nephropathy](#). *Clin J Am Soc Nephrol*. 2014;9(3):617-625; doi: 10.2215/CJN.07260713 PMID: 24071652
7. Moeller S, Canetta PA, Arguelles C, et al. [Lack of Serologic Evidence to Link IgA Nephropathy with Celiac Disease or Immune Reactivity to Gluten](#). *PLoS One*. 2014;9(4):e94677. doi: 10.1371/journal.pone.0094677; PMCID: PMC3986214
8. Spinale J, Mariani L, Kapoor S, et al. [A reassessment of soluble urokinase-type plasminogen activator receptor in kidney disease](#). *Kidney International*. 2015;87:564–574. doi:10.1038/ki.2014.346, PMID: 25354239, PMCID: PMC4344842
9. Sampson MG1, Hodgins JB, Kretzler M. [Defining nephrotic syndrome from an integrative genomics perspective](#). *Pediatr Nephrol*. 2015 Jan;30(1):51-63; quiz 59. doi: 10.1007/s00467-014-2857-9
10. Nast CC, Lemley KV, Hodgins JB, et al. [Morphology in the Digital Age: Integrating High-Resolution Description of Structural Alterations With Phenotypes and Genotypes](#). *Semin Nephrol*. 2015 May;35(3):266-78. doi: 10.1016/j.semnephrol.2015.04.006
11. Kikuchi M, Wickman L, Hodgins J, Wiggins RC. [Podometrics as a potential clinical tool for glomerular disease management](#). *Semin Nephrol*. 2015 May; 35(3): 245–255. doi:10.1016/j.semnephrol.2015.04.004
12. Hogan MC, Lieske JC, Lienczewski C, et al. [Strategy and Rationale for Urine Collection Protocols Employed in the NEPTUNE Study](#). *BMC Nephrol*. 2015 Nov 17;16:190. doi: 10.1186/s12882-015-0185-3
13. Ju W, Nair V, Smith S, et al. [Tissue transcriptome-driven identification of epidermal growth factor as a chronic kidney disease biomarker](#). *Sci Transl Med*. 7(316), 2015, DOI: 10.1126; PMID: 26631632, NIHMS779671
14. Gipson D, Troost J, Lafayette R, et al. [Complete Remission in the Nephrotic Syndrome Study Network](#). *Clin J Am Soc Nephrol*. 2016 Jan 7;11(1):81-9. doi: 10.2215/CJN.02560315

15. Ng DK, Robertson CC, Woroniecki RP, et al. [APOL1-associated glomerular disease among African American children: A collaboration of the Chronic Kidney Disease in Children \(CKiD\) and Nephrotic Syndrome Study Network \(NEPTUNE\) cohorts](#). *Nephrol Dial Transplant*. 2016 Apr 27. pii: gfw061
16. Rosenberg AZ, Palmer M, Merlino L, et al. [The Application Of Digital Pathology To Improve Accuracy in Glomerular Enumeration In Renal Biopsies](#). *PLoS One*. 2016 Jun 16;11(6):e0156441. doi: 10.1371/journal.pone.0156441
17. C. E. Gillies, E. A. Otto, V. Vega-Warner, et al. [tarSVM: Improving the accuracy of variant calls derived from microfluidic PCR-based targeted next generation sequencing using a support vector machine strategy](#). *BMC Bioinformatics*. 2016 Jun 10;17(1):233. doi: 10.1186/s12859-016-1108-4
18. Sampson MG, Robertson CC, Martini S, et al. [Nephrotic Syndrome Study Network. Integrative genomics identifies novel associations with APOL1 risk genotype in Black NEPTUNE subjects](#). *J Am Soc Nephrol*. 2016 Mar;27(3):814-23. doi: 10.1681/ASN.2014111131
19. Haas, ME, Levenson, AE; Sun X, et al. [The Role of Proprotein Convertase Subtilisin/Kexin Type 9 in Nephrotic Syndrome-Associated Hypercholesterolemia](#). *Circulation*. 2016 Jul 5;134(1):61-72. doi: 10.1161
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21. Barisoni L, Troost J, Nast C, et al. [Reproducibility of the NEPTUNE descriptor-based scoring system on whole-slide images and histologic and ultrastructural digital images](#). *Mod Pathol*. 2016; Jul;29(7):671-84. doi: 10.1038/modpathol.2016.58
22. Hogan MC, Reich HN, Nelson PJ, et al. [The relatively poor correlation between random and 24-hour urine protein excretion in patients with biopsy-proven glomerular diseases](#). *Kidney Int*. 2016 Aug 12. pii: S0085-2538(16)30309-X. doi: 10.1016/j.kint.2016.06.020
23. Pedigo CE, Leclercq F, Ducasa GM, et al. [Local rather than systemic TNF causes NFATc1-dependent cholesterol-mediated podocyte injury](#). *J Clin Invest*. 2016. doi:10.1172/JCI85939
24. Lemley KV, Bagnasco SM, Nast CC, et al. [Morphometry Predicts Early GFR Change in Primary Proteinuric Glomerulopathies: A Longitudinal Cohort Study Using Generalized Estimating Equations](#). *PLoS One*. 2016; 11(6): e0157148
25. Crawford B, Gillies CE, Robertson CC, Kretzler M, Otto E, Vega-Wagner V, Sampson MG. [Evaluation for complex genetic variation in Mendelian nephrotic syndrome genes](#). *Pediatr Nephrol* 2016; doi:10.1007/s00467-016-3513-3
26. Hladunewich MA, Beanlands H, Herreshoff E, Troost JP, Maione M, Trachtman H, Poulton C, Nachman P, Modes MM, Hailperin M, Pitter R, Gipson DS. [Provider perspectives on treatment decision-making in nephrotic syndrome](#). *Nephrol Dial Transplant* (2017) 32 (suppl\_1): i106-i114. DOI: <https://doi.org/10.1093/ndt/gfw309>.
27. Beanlands H, Maione M, Poulton C, Herreshoff E, Hladunewich MA, Hailperin M, Modes MM, An L, Nunes-Wright J, Trachtman H, Nachman P, Gipson DS. [Learning to live with nephrotic syndrome: experiences of adult patients and parents of children with nephrotic syndrome](#). *Nephrol Dial Transplant* (2017) 32 (suppl\_1): i98-i105. DOI: <https://doi.org/10.1093/ndt/gfw344>.

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30. Sethna CB, Meyers KEC, Mariani LH, Psoter KJ, Gadegbeku CA, Gibson KL, Srivastava T, Kretzler M, Brady TM. [Blood Pressure and Visit-to-Visit Blood Pressure Variability Among Individuals with Primary Proteinuric Glomerulopathies](#). *Hypertension*. 2017;70:315-323.