

CURRICULUM VITAE

NAME: Guillaume C. Onyeaghala, PhD, MPH

PRESENT POSITION: Assistant Professor (Research), tenure track

BIOGRAPHICAL

Address 922 Willow Place
River Falls, WI 54022
Telephone Number (507) 401 - 0437
E-mail Address gconyeag@utmb.edu

EDUCATION

| | | |
|------------------------------|---|-------------------------|
| Postdoctoral Research Fellow | Hennepin Healthcare Research Institute, Department of Medicine | 10/20/2020 - 08/31/2024 |
| Ph.D. | University of Minnesota School of Public Health/Epidemiology | 08/31/2015 - 09/30/2020 |
| Graduate Minor | University of Minnesota School of Public Health/Biostatistics | 08/31/2015 - 09/30/2020 |
| M.P.H. | University of Minnesota School of Public Health/Epidemiology | 08/31/2013 - 08/31/2015 |
| B.A. | Southwest Minnesota State University | 06/01/2011 - 06/01/2012 |
| B.A. | Medical Laboratory Sciences Southwest Minnesota State University Biology & Chemistry | 08/31/2007 - 05/31/2011 |

PROFESSIONAL WORK HISTORY

Academic Appointments

| Title | Institution | Dates |
|----------------------------|---|-------------------------|
| <i>Research Specialist</i> | Department of Medicine, University of Minnesota | 12/31/2020 – 08/31/2024 |

Professional Experience

| Title | Institution | Dates |
|---|---|-------------------------|
| <i>Graduate Research Assistant</i> | University of Minnesota School of Public Health/Epidemiology | 08/31/2015 - 09/31/2020 |
| <i>Student Worker</i> | Minnesota Department of Health, Refugee and International Health Program | 2014 - 2015 |
| <i>Graduate Research Assistant</i> | University of Minnesota School of Public Health/Environmental Health and Safety | 2014 - 2015 |
| <i>McNamara Academic Tutor</i> | University of Minnesota | 2013 - 2014 |
| <i>Medical Laboratory Scientist</i> | Sanford Health Hospital, Sioux Falls SD | 2012 - 2013 |
| <i>Laboratory Technician</i> | Sanford Health Hospital, Sioux Falls SD | 2011 - 2012 |
| <i>Computer Lab Assistant</i> | Southwest Minnesota State University | 2008 - 2011 |

Technical skills & Tools

High-performance computing (Command line tools, Linux)
Bioinformatics analysis with Python tools (QIIME2, HUMAnN3)
Statistical analysis with SAS, STATA & R (ANOVA, linear regression, logistic regression, cox regression, ggplot, dplyr)

TEACHING EXPERIENCE

University of Minnesota, School of Public Health

Graduate Teaching Assistant

| | |
|--|-------------|
| Pathophysiology of Human Disease (PUBH 6355) | Fall 2019 |
| Epidemiologic Methods II (PUBH 6342) | Spring 2019 |
| Pathophysiology of Human Disease (PUBH 6355) | Fall 2018 |
| Epidemiologic Methods II (PUBH 6342) | Spring 2018 |
| Pathophysiology of Human Disease (PUBH 6355) | Fall 2016 |

RESEARCH ACTIVITIES:

Area of Research:

Nephrology

Grant support

Current

Number 5R01AI140303 - Granting Agency NATIONAL INSTITUTES OF HEALTH (NIH)

"Gut Microbiota and Effect on Immune Suppressants in Transplantation (MISSION)"

(PI Israni; 97% effort; total of \$657,401/year for time period 01/31/2019-01/31/2024)

Number P50MD017342 - Granting Agency: National Institute on Minority Health and Health Disparities of the National Institutes of Health

"Identifying Barriers and Opportunities in Microbiome Research Among African American Kidney Transplant Recipients in Minnesota"

(PI Onyeaghala, McKinney; 3 % effort; total of \$ 50,000 for time period 07/2023-07/2025)

Past

Number N/A - Granting Agency: Hennepin Healthcare Research Institute

" Postdoctoral Career Development Award"

(PI Onyeaghala; 50 % effort; total of \$ 71,834/year for time period 07/2023 - 07/2025)

TEACHING/MENTORING RESPONSIBILITIES

A. MENTORING RESPONSIBILITIES AT HENNEPIN HEALTHCARE RESEARCH INSTITUTE

1. Leach P., Vo D., **Onyeaghala G.C.**, Dorr C., Jacobson P., Israni A.K. A Pharmacokinetic Study of Mycophenolic Acid and Beta-Glucuronidase Activity in Kidney Transplant Recipients. Rockswold Health Scholar Program. Minneapolis, August 2024.
2. Thomas J., **Onyeaghala G.**, Israni A. Effects of Nutrition on Gut Microbiome and Mycophenolic Acid Associated Diarrhea Incidence in Kidney Transplant Patients. Advanced Pathways to Research Program (A-PRoP). Minneapolis, September 2023.

- Taylor J., Vo D., **Onyeaghala G.C.**, Dorr C., Jacobson P., Israni A. Optimizing in-vitro Mycophenolic Acid Glucuronide Metabolism by Model Gut Bacteria. Rockswold Health Scholar Program. Minneapolis, August 2023
- Goble S., **Onyeaghala G.**, Teigen L., Yang P., Wagner M., Wu B., Schladt D., Guan W., Staley C., Matas A., Rimmel R., Oetting W., Jacobson P. and Israni A. Dietary Influences on Mycophenolate Related Diarrhea in Kidney Transplant Recipients. Metro Minnesota Council on Graduate Medical Education (MMCGCE) forum. Minneapolis, May 2022.

MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS

| Type | Organization | Dates |
|--------|---|----------------|
| Member | American Society of Transplantation (AST) | 2021 - Present |
| Member | American Society of Nephrology (ASN) | 2021 - Present |

ADDITIONAL INFORMATION

Journal Reviewer:

Gut Microbes Report
American Journal of Transplantation

Professional Skills

Continuing Education and Training

| | | |
|--|---|-----------|
| <i>Health Equity Leadership and Mentoring (HELM) Program</i> | Program in Health Disparities Research, Medical School, University of Minnesota | 2022-2023 |
|--|---|-----------|

Provisional Patent

- Guillaume C Onyeaghala**, Ajay K Israni and Hennepin Healthcare Research Institute (2021). United States Patent and Trademark Office No. 63/232,369. In Vitro Models for Estimating Drug Dosage. Filed August 2022.
- Guillaume C Onyeaghala**, Ajay K Israni and University of Texas Medical Branch (2026). UTMB 1085. Drug dosage estimation using combined stool and blood biomarkers. Filed January 2026.

PUBLISHED:

A. ARTICLES IN PEER-REVIEWED JOURNALS

- Mohamed ME, Saqr A, **Onyeaghala G**, Rimmel RP, Staley C, Dorr CR, Teigen L, Guan W, Vo D, El-Rifai R, Oetting WS, Matas AJ, Israni AK, Jacobson PA. A Mycophenolate Pharmacokinetic Study with New Insights into Enterohepatic Recirculation in Kidney Transplant Recipients. Clin Pharmacokinet. 2026 Feb 6. doi: [10.1007/s40262-025-01611-3](https://doi.org/10.1007/s40262-025-01611-3). Online ahead of print. (*Manuscript editing, Manuscript review*)

2. Saqr A, Al-Kofahi M, Mohamed ME, Dorr CR, Remmel RP, **Onyeaghala G**, Oetting WS, Guan W, Wu B, Mannon R, Matas AJ, Israni A, Jacobson PA. Steroid-Tacrolimus Drug-Drug Interaction and the Effect of CYP3A Genotypes. *British Journal of Clinical Pharmacology*. DOI: <https://doi.org/10.1111/bcp.16172> (*Manuscript editing, Manuscript review*)
3. Mohamed ME, Saqr A, Staley C, **Onyeaghala G**, Teigen L, Dorr CR, Remmel RP, Guan W, Oetting WS, Matas AJ, Israni AK, Jacobson PA (2024). Pharmacomicrobiomics: Immunosuppressive Drugs and Microbiome Interactions in Transplantation. *Transplantation*. <https://doi.org/10.1097/TP.0000000000004926>. (*Manuscript editing, Manuscript review*)
4. Mohamed M, Guo B, Wu B, Schladt D, Muthusamy A, Guan W, Abrahante J, **Onyeaghala G**, Saqr A, Pankratz N, Agarwal G, Mannon R, Matas A, Oetting W, Remmel R, Israni A, Jacobson P, Dorr C. Extreme Phenotype Sampling and Next Generation Sequencing to Identify Genetic Variants Associated with Tacrolimus in African American Kidney Transplant Recipients. *Res Sq* [Preprint]. 2024 Mar 14:rs.3.rs-4050136. <https://doi.org/10.21203/rs.3.rs-4050136/v1>. PMID: 38558983; PMCID: PMC10980152. (*Manuscript editing, Manuscript review*)
5. **Onyeaghala G**, Dorr CR, Israni AK. Opportunities and challenges for immunosuppression in the context of pig-to-human xenotransplantation. *Med*. 2024 Aug 9;5(8):842-844. doi: <https://doi.org/10.1016/j.medj.2024.07.017>. PMID: 39127030. (*Manuscript editing, Manuscript review*)
6. **Onyeaghala GC**, Sharma S, Oyenuga M, Staley CM, Milne GL, Demmer RT, Shaukat A, Thyagarajan B, Straka RJ, Church TR, et al. The Effects of Aspirin Intervention on Inflammation-Associated Lingual Bacteria: A Pilot Study from a Randomized Clinical Trial. *Microorganisms*. 2024; 12(8):1609. <https://doi.org/10.3390/microorganisms12081609>. (*Data acquisition and Data analysis, Manuscript editing, Manuscript review*)
7. Mohamed ME, Hach L, Saqr A, **Onyeaghala G**, Remmel R, Staley C, Dorr CR, Teigen L, Guan W, Madden H, Munoz J, Vo D, Sanchez BB, Al-Kofahi M, El-Rifai R, Remmel RP, Oetting W, Matas A, Israni A, Jacobson P. Limited Sampling Strategies Fail to Accurately Predict Mycophenolic Acid Area Under the Curve in Kidney Transplant Recipients and the Impact of Enterohepatic Recirculation. *Therapeutic Drug Monitoring*. June 2024. PMID: 39047238. DOI: <https://doi.org/10.1097/FTD.0000000000001248> (*Manuscript editing, Manuscript review*)
8. Vivek S, Shen YS, Guan W, **Onyeaghala G**, Oyenuga M, Staley C, Karger AB, Prizment AE, Thyagarajan B. Association between Circulating T Cells and the Gut Microbiome in Healthy Individuals: Findings from a Pilot Study. *International Journal of Molecular Sciences*. 2024; 25(13):6831. <https://doi.org/10.3390/ijms25136831> (*Data acquisition and Data analysis, Manuscript editing, Manuscript review*)
9. Prakash A, Rubin N, Staley C, **Onyeaghala G**, Wen YF, Shaukat A, Milne G, Straka RJ, Church TR, Prizment A (2024). Effect of ginger supplementation on the fecal microbiome in subjects with prior colorectal adenoma. *Scientific Reports*, 14(1), 2988. <https://doi.org/10.1038/S41598-024-52658-4>. (*Data acquisition and Data analysis, Manuscript editing, Manuscript review*)

10. Wang S, **Onyeaghala GC**, Pankratz N, Nelson HH, Thyagarajan B, Tang W, Norby FL, Ugoji C, Joshu CE, Gomez CR, Couper DJ, Coresh J, Platz EA, Prizment AE. Associations between MICA and MICB Genetic Variants, Protein Levels, and Colorectal Cancer: Atherosclerosis Risk in Communities (ARIC). *Cancer Epidemiol Biomarkers Prev.* 2023 Jun 1;32(6):784-794. doi: <https://doi.org/10.1158/1055-9965.EPI-22-1113>. PMID: 36958849; PMCID: PMC10239349. (*Data acquisition and Data analysis, Manuscript editing, Manuscript review*)
11. Scott P, Wang S, **Onyeaghala G**, Pankratz N, Starr T, Prizment AE. Lower Expression of CFTR Is Associated with Higher Mortality in a Meta-Analysis of Individuals with Colorectal Cancer. *Cancers (Basel).* 2023 Feb 3;15(3):989. doi: <https://doi.org/10.3390/cancers15030989>. PMID: 36765944; PMCID: PMC9913301. (*Data acquisition and Data analysis, Manuscript editing, Manuscript review*)
12. Reininger KA, **Onyeaghala G**, Anderson-Haag T, Schladt DS, Wu B, Guan W, Dorr CR, Rimmel RP, Mannon R, Matas AJ, Oetting WS, Stahler P, Israni AK, Jacobson PA. Higher number of tacrolimus dose adjustments in kidney transplant recipients who are extensive and intermediate CYP3A5 metabolizers. *Clin Transplant.* 2022 Dec 26:e14893. doi: <https://doi.org/10.1111/ctr.14893>. Epub ahead of print. PMID: 36571802. (*Data acquisition and Data analysis, Manuscript preparation, Manuscript editing, Manuscript review*)
13. Khan MH, **Onyeaghala GC**, Rashidi A, Holtan SG, Khoruts A, Israni A, Jacobson PA, Staley C. Fecal β -glucuronidase activity differs between hematopoietic cell and kidney transplantation and a possible mechanism for disparate dose requirements. *Gut Microbes.* 2022 Jan-Dec;14(1):2108279. doi: <https://doi.org/10.1080/19490976.2022.2108279>. PMID: 35921529; PMCID: PMC9351555. (*Data acquisition, Manuscript review*)
14. Prizment AE, **Onyeaghala G**, Church TR. Editorial: the microbiome, aspirin and colorectal cancer-authors' reply. *Aliment Pharmacol Ther.* 2020 Dec;52(11-12):1742-1743. doi: <https://doi.org/10.1111/apt.16115>. PMID: 33205872. (*Manuscript editing, Manuscript review*)
15. Prizment AE, **Onyeaghala GC**, Church TR. Letter: synergistic role of gut flora with aspirin to prevent colorectal cancers-authors' reply. *Aliment Pharmacol Ther.* 2020 Dec;52(11-12):1758. doi: <https://doi.org/10.1111/apt.16141>. PMID: 33205866. (*Manuscript editing, Manuscript review*)
16. Prizment AE, Staley C, **Onyeaghala GC**, Vivek S, Thyagarajan B, Straka RJ, Demmer RT, Knights D, Meyer KA, Shaikat A, Sadowsky MJ, Church TR. Randomised clinical study: oral aspirin 325 mg daily vs placebo alters gut microbial composition and bacterial taxa associated with colorectal cancer risk. *Aliment Pharmacol Ther.* 2020 Sep;52(6):976-987. doi: <https://doi.org/10.1111/apt.16013>. Epub 2020 Aug 8. PMID: 32770859; PMCID: PMC7719064. (*Data acquisition and Data analysis, Manuscript editing, Manuscript review*)
17. **Onyeaghala G**, Lintelmann AK, Joshu CE, Lutsey PL, Folsom AR, Robien K, Platz EA, Prizment AE. Adherence to the World Cancer Research Fund/American Institute for Cancer

Research cancer prevention guidelines and colorectal cancer incidence among African Americans and whites: The Atherosclerosis Risk in Communities study. *Cancer*. 2020 Mar 1;126(5):1041-1050. doi: <https://doi.org/10.1002/cncr.32616>. Epub 2019 Dec 24. PMID: 31873947; PMCID: PMC7021569. (*Data acquisition and Data analysis, Manuscript preparation, Manuscript editing, Manuscript review*)

18. Polter EJ, **Onyeaghala G**, Lutsey PL, Folsom AR, Joshu CE, Platz EA, Prizment AE. Prospective Association of Serum and Dietary Magnesium with Colorectal Cancer Incidence. *Cancer Epidemiol Biomarkers Prev*. 2019 Aug;28(8):1292-1299. doi: <https://doi.org/10.1158/1055-9965.EPI-18-1300>. Epub 2019 Jun 5. PMID: 31167754; PMCID: PMC6677594. (*Data acquisition and Data analysis, Manuscript preparation, Manuscript editing, Manuscript review*)
19. **Onyeaghala G**, Lane J, Pankratz N, Nelson HH, Thyagarajan B, Walcheck B, Anderson KE, Prizment AE. Association between MICA polymorphisms, s-MICA levels, and pancreatic cancer risk in a population-based case-control study. *PLoS One*. 2019 Jun 5;14(6):e0217868. doi: <https://doi.org/10.1371/journal.pone.0217868>. PMID: 31166958; PMCID: PMC6550421. (*Data acquisition and Data analysis, Manuscript preparation, Manuscript editing, Manuscript review*)
20. **Onyeaghala G**, Lutsey PL, Demerath EW, Folsom AR, Joshu CE, Platz EA, Prizment AE. Association between greater leg length and increased incidence of colorectal cancer: the atherosclerosis risk in communities (ARIC) study. *Cancer Causes Control*. 2019 Aug;30(8):791-797. doi: <https://doi.org/10.1007/s10552-019-01192-0>. Epub 2019 Jun 4. PMID: 31165420; PMCID: PMC6681820. (*Data acquisition and Data analysis, Manuscript preparation, Manuscript editing, Manuscript review*)
21. **Onyeaghala G**, Nelson HH, Thyagarajan B, Linabery AM, Panoskaltsis-Mortari A, Gross M, Anderson KE, Prizment AE. “Soluble MICA is elevated in pancreatic cancer: Results from a population-based case-control study.” *Mol Carcinog*. 2017 Sep;56(9):2158-2164. doi: <https://doi.org/10.1002/mc.22667>. Epub 2017 May 24. (*Data acquisition and Data analysis, Manuscript preparation, Manuscript editing, Manuscript review*)

Complete list of published work in my bibliography:

[PUBMED](#)

B. ABSTRACTS:

Upcoming Poster Presentations at National and Regional Professional Meetings, Conferences, etc.

1. A. Saqr, M. Mohamed, **G. Onyeaghala**, K. Gupta, C. Staley, D. Vo, L. Teigen, R. Rimmel, W. Guan, W. Oetting, C. Dorr, A. Matas, A. Israni, P. Jacobson. The Effect of Genetic Variation in SLCO1B3-Encoded OATP1B3 Hepatic Transporter on the Pharmacokinetics of Mycophenolic Acid. American Society for Pharmacology and Experimental Therapeutics. Minneapolis, May 2026.

2. M. Mohamed, A. Saqr, S. Cheng, **G. Onyeaghala**, C. Staley, R. Remmel, C. Dorr, L. Teigen, W. Guan, K. Gupta, R. El-Rifai, W. Oetting, A. Matas, A. Israni, P. Jacobson. Identification of Plasma Bacterial Metabolites Predictive of Mycophenolate Pharmacokinetics (PK) in Kidney Transplant (tx) Recipients. American Transplant Congress. Boston, June 2026.
3. K. Gupta, **G. Onyeaghala**, K. Botnar, D. Vo, D. Anchondo-Ley, M. Mohamed, A. Saqr, L. Teigen, C. Dorr, C. Staley, W. Guan, K. Khanipov, G. Golovko, R. El-Rifai, A. Matas, R. Remmel, W. Oetting, P. Jacobson, A. Israni. Transporter gene variants and drug interactions shape mycophenolic acid pharmacokinetics in kidney transplant recipients. American Transplant Congress. Boston, June 2026.
4. **G. Onyeaghala**, D. Vo, K. Gupta, J. Nguyen, M. Mohamed, A. Saqr, L. Teigen, C. Dorr, C. Staley, W. Guan, K. Khanipov, G. Golovko, R. El-Rifai, A. Matas, R. Remmel, W. Oetting, P. Jacobson, A. Israni. Gut Microbiome Meta-transcriptomics and Mycophenolate Mofetil Enterohepatic Recirculation Variability in Kidney Transplant Recipients. American Transplant Congress. Boston, June 2026.
5. W. McKinney, C. Lozano, **G. Onyeaghala**. African American Patients' Perspectives on Participation in Transplant Microbiome Research: Preliminary Findings on Barriers and Facilitators to Equity in Research. American Transplant Congress. Boston, June 2026.
6. G. Flajc, B. Astorga, A. Moorer, **G. Onyeaghala**, K. Encarnacion, J. Nock, R. Ramirez, L. Cicalese, T. Engebretsen, M. Kueht, S. Ammar, S. F. Hassan, A. Rizvi, A. K. Gamilla-Crudo, S. A. Hussain, A. Israni. Analysis Of Kidney Transplant Recipients With Suspected Atypical Hemolytic Uremic Syndrome Post-Transplant Pre And Post Implementation Of Induction Immunosuppression Modifications. American Transplant Congress. Boston, June 2026.

Past Poster Presentations at National and Regional Professional Meetings, Conferences, etc.

1. K. Gupta, **G. Onyeaghala**, D. Vo, C. Dorr, P. Jacobson, A. Israni. Gut Microbiome–Mediated Metabolism of Mycophenolic Acid Glucuronide: An In Vitro Assay Linking Pharmacokinetics and Transplant Outcomes. Gordon Research Conference, Microbiome Editing. Pomona, January 2026.
2. **G. Onyeaghala**, D. Vo, K. Gupta, J. Nguyen, M. Mohamed, A. Saqr, L. Teigen, C. Dorr, C. Staley, W. Guan, K. Khanipov, G. Golovko, R. El-Rifai, A. Matas, R. Remmel, W. Oetting, P. Jacobson, A. Israni. Adverse Outcomes Associated with IgAN Recurrence in Kidney Transplant Recipients. American Society for Nephrology. Houston, November 2025.
3. **Guillaume Onyeaghala**, Kajal Gupta, Kamil Khanipov, George Golovko, Shahed Ammar, Syed Hussain, Asim Rizvi, Syed F. Hassan, Michael Khuet, John R. Lee, Kathleen Gamilla-Crudo, Shikha Wadhvani, Ajay Israni. Adverse Outcomes Associated with IgAN Recurrence in Kidney Transplant Recipients. American Society for Nephrology. Houston, November 2025.
4. **G Onyeaghala**, D Vo, M Mohamed, A Saqr, J Sekela, L Teigen, C Dorr, C Staley, W Guan, G Golovko, R El-Rifai, A Matas, R Remmel, W Oetting, M R Redinbo, P Jacobson, A Israni. Gut Microbiome Meta-Transcriptomics Associated with Mycophenolate Mofetil Enterohepatic Recirculation in Kidney Transplant Recipients. World Transplant Congress, Sand Diego, August 2025.

5. **G Onyeaghala**, Z Rao, J Grande, W Guan, J Maltzman, D Schladt, E Hudson, F Rodriguez, G Barthel, W Oetting, R Mannon, G Agarwal, A Matas, P Jacobson, A Israni, C R Dorr. Spatialomic Analysis of Kidney Biopsies Identifies Differential Abundance of Transcripts and Cell Types by Glomerular and Non-Glomerular Regions Associated with Kidney Allograft Loss. World Transplant Congress, Sand Diego, August 2025.
6. Israni A., **Onyeaghala G.**, Vo D., Sanchez B., Saqr A., Moataz M., Staley C., Teigen L., Dorr C., Guan W., Remmel R., Oetting W., Jacobson P. Beta-Glucuronidase activity of gut microbiome and enterohepatic recirculation of mycophenolic acid in kidney transplant recipients. World Congress of Nephrology 2025, New Dehi, India, February 2025.
7. **Onyeaghala G**, Vo D, Mohammed M, Saqr A, Sanchez B, Madden H, Munoz J, Teigen L, Dorr C, Staley C, Wu B, Guan W, El-Rifai R, Matas A, Remmel R, Oetting W, Jacobson P, Israni A. Gut microbiome signature associated with mycophenolate mofetil enterohepatic recirculation. American Society for Nephrology. San Diego, October 2024.
8. **Onyeaghala G**, McKinney W. Opportunities to improve health outcomes for African Americans across Cardiovascular Disease and End Stage Kidney Disease. Center for Chronic Disease Reduction and Equity Promotion Across Minnesota (C2DREAM) Annual Conference Duluth, June 2024.
9. **Onyeaghala G**, Vo D, Mohammed M, Saqr A, Sanchez B, Madden H, Munoz J, Teigen L, Dorr C, Staley C, Wu B, Guan W, El-Rifai R, Matas A, Remmel R, Oetting W, Jacobson P, Israni A. Gut microbiome signature associated with diarrhea in a prospective cohort of kidney transplant recipients. American Transplant Conference. Philadelphia, June 2024.
10. Dorr C, Vo D, Elmer S, Fisher J, **Onyeaghala G**, Mohamed M, Saqr A, Guan W, Oetting W, Remmel R, Jacobson P, Israni A. CRISPR engineering of human hepatocytes to produce CYP3A5 *1, *3, *6 and *7 variant cell lines for the pharmacogenomic evaluation of tacrolimus metabolism and drug-drug-gene interactions. American Transplant Conference. Philadelphia, June 2024.
11. Mohamed M, Hach L, Saqr A, **Onyeaghala G**, Remmel R, Staley C, Dorr C, Teigen L, Guan W, Madden H, Munoz J, Vo D, Sanchez B, Al-Kofahi M, El-Rifai R, Oetting W, Matas A, Israni A, Jacobson P. Limited Sampling Strategies Fail to Predict Mycophenolic Acid AUC in Kidney Transplant Recipients (KTR); The Impact of Enterohepatic Recirculation and the Need For New Strategies. American Transplant Conference. Philadelphia, June 2024.
12. Dorr CR, Grande JP, Guan W, **Onyeaghala G**, Oetting WS, Mannon RB, Agarwal G, Maltzman J, Matas A, Jacobson PA, Israni AK. Digital Spatial Profiling of Allograft Loss in Kidney Biopsies with Chronic Allograft Dysfunction. Association for Clinical and Translational Science. Las Vegas, April 2024.

13. **Onyeaghala G**, Vo D, Mohammed M, Saqr A, Sanchez B, Elmer S, Teigen L, Dorr C, Staley C, Fisher J, Hunter R, Wu B, Guan W, El-Rifai R, Matas A, Rimmel R, Oetting W, Jacobson P, Israni A. Association between MPA pharmacokinetics and in-vitro MPAG turnover by gut microbiota of kidney transplant recipients. American Society for Nephrology. Philadelphia, November 2023.
14. Mohamed M., Dorr C., Schladt D., Saqr A., Rimmel R., **Onyeaghala G.**, Guan W., Wu B., Mannon R. B., Matas A., Oetting W., Israni A., Jacobson P. Possible Regulatory Variant in the CYP3A Gene Association with Tacrolimus Troughs in African Americans Transplant (Tx) Recipients. American Transplant Conference. San Diego, June 2023
15. Elmer S., Rimmel R., Fisher J., **Onyeaghala G.**, Vo D., Mohamed M., Saqr A., Guan W., Oetting W., Jacobson PA., Israni AK. and Dorr CR.. CRISPR engineered human hepatocyte cell culture model to investigate the Drug-Drug-Gene Interactions of CYP3A5 *1 and *3 genotypes and ritonavir on tacrolimus metabolism. American Transplant Conference. San Diego, June 2023
16. Mohamed M., Saqr A., **Onyeaghala G.**, Rimmel R., Staley C., Dorr C., Teigen L., Wu B., Guan W., El-Rifai R., Oetting W., Matas A., Israni A., Jacobson PA. Multiple Mycophenolic Acid Enterohepatic Recirculation Peaks after Oral MMF in Kidney Transplant Recipients. American Transplant Conference. San Diego, June 2023
17. Saqr A., Mohamed M., **Onyeaghala G.**, Rimmel R., Staley C., Dorr C., Teigen L., Wu B., Guan W., El-Rifai R., Oetting W., Matas A., Israni A., Jacobson PA. Variability in Mycophenolate Mofetil (MMF) Pharmacokinetics and Dose Requirements Across Transplant (tx) Types. American Transplant Conference. San Diego, June 2023
18. **Onyeaghala G.C.**, Elmer S., Khan M.H., Yang P., Wagner M., Teigen L., Wu B., Guan W., Staley C., Matas A.J., Riad S.M., Dorr C.R., Rimmel R.P., Oetting W.S., Jacobson P.A., Israni A.K. Association between fecal microRNAs and Beta-glucuronidase activity in kidney transplant recipients. American Society for Nephrology. Orlando, November 2022.
19. **Onyeaghala G.C.**, Elmer S, Schladt D, Yang P, Wagner M, Teigen L, Al-Kofahi M, Wu B, Guan W, Staley C, Riad S, Matas A, Rimmel R, Oetting W, Dorr CR, Jacobson P, Israni A. Mycophenolate Mofetil-related diarrhea reports and beta-glucuronidase expression following kidney transplantation. American Transplant Conference. Boston, June 2022.
20. Jacobson PA, Saqr A, Al-Kofahi M, Schladt DP, Guan W, Oetting WS, Mannon R, Dorr CR, Rimmel RP, **Onyeaghala GC**, Wu B, Israni AK, Matas A. Induction of Tacrolimus Clearance by Steroids Varies by Cyp3a5 Genotype in Kidney Transplant Recipients: A Drug-Drug-Gene Interaction. American Transplant Conference. Boston, June 2022.
21. Dorr CR, Wu B, Guo B, Guan W, Schladt D, Elmer S, Crary G, **Onyeaghala G**, Oetting W, Agarwal G, Mannon RB, Jacobson P, Matas A, Israni A. Increased risk for allograft loss in African American kidney transplant recipients after biopsy for chronic allograft dysfunction. American Transplant Conference. Boston, June 2022.

22. Jacobson PA, Saqr A, Al-Kofahi M, Schladt DP, Guan W, Oetting WS, Mannon R, Dorr CR, Rimmel RP, **Onyeaghala GC**, Wu B, Israni AK, Matas A. Induction of Tacrolimus Clearance by Steroids Varies by Cyp3a5 Genotype in Kidney Transplant Recipients: A Drug-Drug-Gene Interaction. American Transplant Conference. Boston, June 2022.
23. **Onyeaghala G.**, Teigen L., Guo B., Doronin Y., Al-Kofahi M., Wu B., Guan W., Staley C., Riad S., Matas A., Rimmel R., Oetting W., Dorr C, Jacobson P, Israni A. Dietary Intake and Mycophenolate Mofetil-related Diarrhea Following Kidney Transplantation. American Transplant Conference. Virtual Meeting, June 2021.
24. Teigen L., **Onyeaghala G.**, Doronin Y., Guo B., Wu B., Abrahante J., Schladt D., Guan W., Staley C., Al-Kofahi M., Riad S., Matas A., Rimmel R., Oetting W., Dorr C., Jacobson P., Israni A. Dietary Intake of Calories and Protein in the Acute Phase Following Kidney Transplant: Opportunities for Improvement. American Transplant Conference. Virtual Meeting, June 2021.
25. Reiningger K., **Onyeaghala G.**, Anderson-Haag T., Wu B., Guan W., Dorr C.R., Rimmel R., Mannon R., Matas A., Oetting W., Israni A., Stahler P., Jacobson P. Higher Number of Tacrolimus Dose Adjustments and Trough Level Measurements in Kidney Transplant Recipients with CYP3A5*1 Alleles. American Transplant Conference. Virtual Meeting, June 2021.
26. Prizment A., Scott P., Starr T. K., **Onyeaghala G.**, Tang W., Thomas M., Peters U., Joshu C. E., Platz E. A., Panrkraz N. Functional CFTR mutations may predispose to increasing risk of colorectal cancer. American Society of Human Genetics. Virtual Meeting, October 2020.
27. **Onyeaghala G.C.**, Staley C.M., Demmer R.T., Aasma S., Church T.R., Anna E. Prizment. Effect of aspirin intervention on health and disease-associated oral bacterial taxa. American Association for Cancer Research. Orlando, February 2020.
28. **Onyeaghala G.**, Prizment A.E., Davidovics S., Joshu C.E., Platz E.A., Folsom A., Visvanathan K. Association of absolute lymphocyte count and cancer incidence and mortality: the atherosclerosis risk in communities (ARIC) study. Society for Epidemiologic Research. Minneapolis, June 2019.
29. Polter E., Thyagarajan B., **Onyeaghala G.**, Wang R., Barcelo H., Koh W., Yuan J., Prizment A. Associations between Serum Inflammatory Biomarkers and Colorectal Cancer incidence in the Singapore Chinese Health Study (SCHS). Society for Epidemiologic Research. Minneapolis, June 2019.
30. Prizment A.E., Menk J., Staley C., Vivek S. **Onyeaghala G.**, Thyagarajan B., Demmer R., Knights D., Meyer K., Shaukat A., Khorutz A., Sadowsky M.A., Straka R.J. Church, T. Effect of aspirin on gut microbiome in a pilot randomized double-blind trial. American Association for Cancer Research. Atlanta, April 2019.

31. **Onyeaghala G.C.**, Lane J., Pankratz N., Nelson H.H., Thyagarajan B., Anderson K.E., Prizment A.E. Association between MICA polymorphisms, s-MICA levels, and pancreatic cancer risk in a population-based case-control study. American Association for Cancer Research. Chicago, April 2018.
32. Lintelmann A.K., **Onyeaghala G.**, Joshu C.E, Lutsey P.L., Folsom A.R., Robien K., Platz E.A., Prizment A.E. Adherence to the WCRF/AICR cancer prevention guidelines and colorectal cancer incidence and mortality in the biracial cohort – the Atherosclerosis Risk in Communities (ARIC) study. American Association for Cancer Research. Chicago, April 2018.
33. **Onyeaghala G.C.**, Lane J., Pankratz N., Nelson H.H., Thyagarajan B., Anderson K.E., Prizment A.E. Evaluation of s-MICA levels in a Population based case-control study in Minnesota. Masonic Cancer Center Research Day Poster Presentation. Minneapolis, November 2017.
34. **Onyeaghala G.C.**, Polter E., Lutsey, P.L., Folsom A.R., Joshu CE., Platz E.A., Prizment A.E. Dietary Magnesium and Colorectal Cancer Risk in the Atherosclerosis Risk in Communities Cohort (ARIC). American Association for Cancer Research. Washington D.C., April 2017.
35. **Onyeaghala G.C.**, Lutsey P.L., Demerath E.W., Anderson K.E., Folsom A.R., Joshu C.E., Platz E.A., Prizment A.E. Associations of leg length with increased colorectal cancer incidence in the Atherosclerosis Risk in Communities (ARIC) Study. American Association for Cancer Research. New Orleans, April 2016.
36. **Onyeaghala G.**, Barcelo H., Nelson H.H., Thyagarajan B., Yuan J., Prizment A. Reproducibility of serum inflammatory biomarkers measured by Proseek Multiplex Inflammation Panel in 30 participants of Singapore Chinese Health Study (SCHS). University of Minnesota Genofest. Minneapolis, October 2015.
37. **Onyeaghala G.**, Urban K., Linde A., Mamo B. Presumptive anti-helminthic treatment and enteric parasite infections in Minnesota primary refugees between 2010 and 2013. North American Refugee Health Conference (NARHC). Toronto, June 2015.
38. **Onyeaghala G.**, Noelle Beyer, N. Investigation of a *Streptomyces nodosus* glycosyltransferase. American Chemistry Society. Anaheim, March 2011.

Contact Information

[ORCID](#)

[Google Scholar](#)

[Github Pages](#)

Last updated: 02/16/2026

I have read and take responsibility for the information in this document

APPROVED COD: May 2018