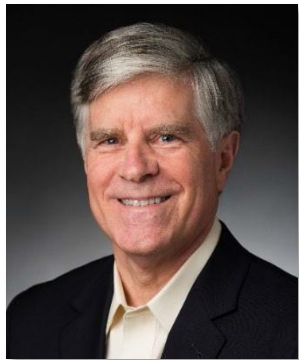


W. Greg Miller, PhD



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Education

Postdoctoral Fellow in Clinical Chemistry, 1973-1975
Department of Pathology, Division of Clinical Chemistry
Ohio State University, College of Medicine
Columbus, Ohio

PhD Biochemistry, 1973
University of Arizona, Tucson, Arizona

Licenses & Certifications

American Board of Clinical Chemistry, 1976

Selected Awards & Honors

- 2025 Stanford/Elsevier Top 2% Scientists List
- 2025 Outstanding Paper of the Year Award, American Association of Colleges of Pharmacy Ambulatory Care Practice and Research Network for the paper, "Moving forward from Cockcroft-Gault creatinine clearance to race-free estimated glomerular filtration rate to improve medication-related decision-making in adults across healthcare settings: A consensus of the National Kidney Foundation Workgroup for Implementation of Race-Free eGFR-Based Medication-Related Decisions," which was published in the American Journal of Health-System Pharmacy.

- 2025 National Kidney Foundation, 75 Kidney Heroes List
- 2024 Stanford/Elsevier Top 2% Scientists List
- 2018 Russell J. Eilers Memorial Award, Clinical and Laboratory Standards Institute
- 2014 Robert Schaffer Award for Outstanding Achievements in the Development of Standards for Use in Laboratory Medicine, International Federation of Clinical Chemistry and Laboratory Medicine
- 2007 Outstanding Lifetime Achievement Award in Clinical Chemistry and Laboratory Medicine, American Association for Clinical Chemistry

Professional Service (current)

National Institute of Diabetes and Digestive and Kidney Diseases (NIH), Laboratory Working Group, Chair

International Federation of Clinical Chemistry and Laboratory Medicine (IFCC); Working group for Standardization of Albumin Measurement in Urine, Chair

International Federation of Clinical Chemistry and Laboratory Medicine (IFCC); Working group for Commutability in Metrological Traceability

International Consortium for Harmonization of Clinical Laboratory Results and European Organization for External Quality Assurance Providers in Laboratory Medicine joint task force to monitor harmonization of measurands in laboratory medicine through data aggregation (HALMA); steering committee and Chair, working group on commutability

International Organization for Standardization (ISO), Technical Committee 212, Clinical laboratory testing and in vitro diagnostic test systems

National Kidney Foundation-Laboratory Engagement Initiative

National Kidney Foundation-Workgroup for Implementation of Race-Free eGFR-Based Medication-Related Decisions

College of American Pathologists, Accuracy Based Programs Committee

Recent Invited Presentations

Joint Committee for Traceability in Laboratory Medicine Workshop on: Result harmonization in medical laboratories: accomplishments and challenges. "Commutability: ten years of IFCC WG activity" December 1-2, 2025, Sevres, France.

Association for Diagnostic and Laboratory Medicine. "Getting eGFR right...it starts with the lab." July 28, 2025, Chicago, IL.

Association for Diagnostic and Laboratory Medicine. "The harmonization/standardization toolkit and implementation challenges." July 28, 2025, Chicago, IL.

National Kidney Foundation Scientific Workshop. The Measurement of Urinary Proteins in Clinical Practice and Clinical Trials: Albuminuria or Proteinuria? "Analytical Aspects and Standardization of Albuminuria." April 6, 2025, Washington D.C.

College of Physicians and Surgeons of British Columbia. "What is metrological traceability and why should you care?" March 25, 2025 (virtual).

National Kidney Foundation Interim Analysis Meeting for a Scientific Workshop on The Measurement of Urinary Proteins in Clinical Trials and Clinical Practice (Albuminuria or Proteinuria?). "Measuring urine albumin and total protein." August 22, 2024, Amsterdam, Netherlands.

NIST Biomolecular Measurement Division. "Standardization and Harmonization of Clinical Laboratory Results." May 21, 2024 (virtual).

Joint Committee for Traceability in Laboratory Medicine Workshop on EQA Schemes Elucidating the Clinical Suitability of Laboratory Results. "Should individual labs adjust results to make them traceable or leave this to manufacturers. What about a lab wanting to align instruments from different suppliers?" December 4-5, 2023, Sevres, France.

Cutting Edge of Laboratory Medicine in Europe, Analytical Performance Specifications: moving from models to practical recommendations; "The role of APS in international guidelines and standards dealing with metrological traceability in laboratory medicine." October 12-13, 2023, Prague, Czech Republic.

Selected Publications

Peer reviewed papers

Beasley-Green A, Camara JE, Wood ESC, Heckert NA, **Miller WG**, Bachmann LM, Ruvuna L, Ali S, Schneider R, O'Donnell S, Murrell L, Dai J, Xiong Y, Mahmoud S, Fanto-Holdaway P, Eichler K, Grebe A, Snyder J, O'Brien J, Phinney K.

Commutability assessment of NIST SRM 3666 albumin and creatinine in frozen human urine among routine clinical laboratory measurement procedures. Clin Chim Acta 2025 Dec 3:120760. doi: 10.1016/j.cca.2025.120760. Online ahead of print.

Miller WG, Deprez L, Sandberg S, Johansen JV, Greenberg N, Weykamp C, Keller T, Budd J, Delatour V, Barczak E, Rej R, Fauskanger PK, MacKenzie F, Camara JE, Lyle AN, Panteghini M. Demonstrating commutability of an existing certified reference material for use with an end-user measurement procedure that was not included in the original commutability assessment. Clin Chim Acta. 2026 Jan 1:578:120548. doi: 10.1016/j.cca.2025.120548. Epub 2025 Aug 10.

Fauskanger PK, Sandberg S, Johansen J, Keller T, Budd J, **Miller WG**, Stavelin A, Delatour V, Panteghini M, Stove B. Quantification of difference in nonselectivity between in vitro diagnostic medical devices. Biom J 2025;67(1):e70032. doi: 10.1002/bimj.70032.

Deprez L, Johansen JV, Keller T, Budd J, Greenberg N, Weykamp C, Sandberg S, Panteghini M, Ceriotti F, Barczak E, Rej R, Fauskanger P, MacKenzie F, Camara JE, Lyle AN, **Miller WG**, Delatour V. Recommendations for assessing commutability of a replacement batch of a secondary calibrator certified reference material. Clin Chim Acta 2025;567:120097.

St. Peter WL, Bzowyckyj AS, Anderson-Haag T, Awdishu L, Blackman M, Bland A, Chan E, Chmielewski C, Delgado C, Eyler R, Foster C, Hudson J, Kane-Gill SL, Kliethermes MA, Le T, Madabushi R, Martin B, **Miller WG**, Neumiller JJ, Philbrick AM, Roberts G, Schandorf V, Webb AJ, Wu D, Nolin TD. Moving forward from Cockcroft-Gault creatinine clearance to race-free estimated glomerular filtration rate to improve medication-related decision-making in adults across healthcare settings: A consensus of the National Kidney Foundation Workgroup for Implementation of Race-Free eGFR-Based Medication-Related Decisions. Am J Health Syst Pharm. 2025;82:644-659.

Miller WG, Bachmann LM, Budd J, Beasley-Green A, Phinney KW, Tan HT, Teo

TL, Liu Q, Shiba S, Seegmiller J. Extent of Equivalence of Results for Urine Albumin among 3 Candidate Mass Spectrometry Reference Measurement Procedures. *Clin Chem* 2024;70:1375-82.

Sandberg S, Fauskanger P, Johansen JV, Keller T, Budd J, Greenberg N, Rej R, Panteghini M, Delatour V, Ceriotti F, Deprez L, Camara JE, MacKenzie F, Lyle AN, van der Hagen E, Burns C, **Miller WG**, for the IFCC Working Group on Commutability in Metrological Traceability. Recommendations for setting a criterion and assessing commutability of sample materials used in external quality assessment/proficiency testing schemes. *Clin Chem* 2023;69:1227-37.

Miller WG, Keller T, Budd J, Johansen JV, Panteghini M, Greenberg N, Delatour V, Ceriotti F, Deprez L, Rej R, Camara JE, MacKenzie F, Lyle AN, van der Hagen E, Burns C, Fauskanger P, Sandberg S, for the IFCC Working Group on Commutability in Metrological Traceability. Recommendations for setting a criterion for assessing commutability of secondary calibrator certified reference materials. *Clin Chem* 2023;69:966-75.

Miller WG, Myers G, Cobbaert CM, Young IS, Theodorsson E, Wielgosz RI, Westwood S, Maniquet S, Gillery P. Overcoming challenges regarding reference materials and regulations that influence global standardization of medical laboratory testing results. *Clin Chem Lab Med* 2022;61:48-54.

Miller WG, Kaufman HW, Levey AS, Straseski JA, Wilhelms KW, Yu H-Y, Klutts JS, Hilborne LH, Horowitz GL, Lieske J, Ennis JL, Bowling JL, Lewis MJ, Montgomery E, Vassalotti JA, Inker LA. National Kidney Foundation Laboratory Engagement Working Group Recommendations for Implementing the CKD-EPI 2021 Race-Free Equations for Estimated Glomerular Filtration Rate: Practical Guidance for Clinical Laboratories. *Clin Chem* 2022;68:511-20.

Delgado C, Baweja M, Crews DC, Eneanya ND, Gadegbeku CA, Inker LA, Mendu ML, **Miller WG**, Moxey-Mims MM, Roberts GV, St Peter WL, Warfield C, Powe NR. A unifying approach for GFR estimation: recommendations of the NKF-ASN Task Force on Reassessing the Inclusion of Race in Diagnosing Kidney Disease. *J Am Soc Nephrol*. 2021 and *Am J Kidney Dis*. *J Am Soc Nephrol* 2021;32:2994-3015 and *Am J Kidney Dis* 2022;79:268-88.

Book Chapters and Monographs

Johansen J, Vesper H, Badrick T, Beasley-Green A, Budd JR, Danilenko U, Grote-Koska D, Horan K, Kessler A, **Miller WG**, Okoye NC, Panteghini M, Theodorsson E. Implementation of Metrological Traceability in Laboratory Medicine. CLSI document EP32-Ed2, Clinical and Laboratory Standards Institute, 2025.

Budd JR, Lyle AN, Badrick T, Benina N, Berman M, Camara J, Deprez L, Ellison SLR, Green J, Johansen J, **Miller WG**, Panteghini M, Rej R, Vaks JE. Characterization and Qualification of Commutable Reference Materials for Laboratory Medicine, 2nd Edition. CLSI document EP30-Ed2, Clinical and Laboratory Standards Institute, 2024.

Miller WG, Sandberg S. Quality Control of the Analytical Examination Process. In: Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 9th Edition. Ed. by Rifai N, Chu RWK, Young I, Wittwer CT. Elsevier 2024.

Miller WG. Standardization and harmonization of analytical examination results. In: Tietz Textbook of Laboratory Medicine, 7th Edition, ed. by Rifai N, Chiu RWK, Young I, Burnham CD, Wittwer CT. Elsevier 2023, p 164 (full version available on ExpertConsult.com).

Miller WG, Sandberg S. Quality control of the analytical examination process. In: Tietz Textbook of Laboratory Medicine, 7th Edition, ed. by Rifai N, Chiu RWK, Young I, Burnham CD, Wittwer CT. Elsevier 2023, p 129-163.