



## CARMEN L. WILEY, PhD, DABCC MEDICAL DIRECTOR - CLINICAL LABORATORY

### BOARD CERTIFICATION

- Clinical Chemistry

### FELLOWSHIP

- COMACC Accredited Fellowship  
Mayo Clinic  
Rochester, MN

### DOCTORATE OF PHILOSOPHY

- Bioorganic Chemistry  
University of Washington  
Seattle, WA

### MASTER OF SCIENCE

- Organic Chemistry  
University of Washington  
Seattle, WA

### PROFESSIONAL SOCIETIES & ASSOCIATIONS

- Diplomate of the American Board of Clinical Chemistry (DABCC, #1002)
- Fellow of the AACC Academy (FAACC)
- American Association of Clinical Chemists (AACC) - Member
- American Society of Clinical Pathology (ASCP) - Fellow
- American Chemical Society (ACS) - Member

Dr. Carmen Wiley joined Incyte Diagnostics as a Clinical Medical Director in 2020. She is board certified by the American Board of Clinical Chemistry (ABCC) and a Fellow of the Academy of ADLM (FADLM).

Dr. Wiley's clinical expertise began with a Bachelor of Science degree in Chemistry from the University of Minnesota. She then went on to earn a Master of Science degree in Organic Chemistry at the University of Washington, and continued her studies there, receiving a Doctoral degree of Bioorganic Chemistry. Dr. Wiley was a COMACC Accredited Fellow at the Mayo School of Medicine.

In 2019, she served as President of the American Association for Clinical Chemistry (AACC), a global scientific and medical professional organization dedicated to better health through laboratory medicine. She is currently on the AACC Nominating Committee for 2022-2025, and in 2021, she was honored with the AACC Past President Award, which recognizes important contributions to the field of clinical laboratory science.

Dr. Wiley has served in a variety of professional roles overseeing testing in hospitals and independent laboratories along with leading research and development programs. She currently serves as the Regional Technical Director for hospital laboratories for Providence and previously held their role of CLIA Medical Director.

Additionally, she played a key role in building community relationships and supporting the objective of critical scientific exchange including medical/scientific education.

As part of her duties at Incyte, Dr. Wiley also supports the clinical labs at Providence Sacred Heart Medical Center, Holy Family, Mt. Carmel, and St. Joseph's as the Medical Director.

Dr. Wiley holds patents on Methods for Depletion and Enrichment, Method for Detecting Biomarkers, and Enrichment of Antigen-Specific Antibodies for Analytic and Therapeutic Use.

Outside of the lab, Dr. Wiley enjoys hobbies including hiking, camping and knitting. She and her husband have two children and three dogs.

PUBLICATIONS AND SELECTED  
ABSTRACTS

Oltean HN, Allen KJ, Frisbie L, Lunn SM, Torres L, Manahan L, Wiley CL, et al. Sentinel Surveillance System Implementation and Evaluation for SARS-CoV-2 Genomic Data, Washington, USA, 2020–2021. *Emerg Infect Dis.* 2023;29(2):242-251. <https://doi.org/10.3201/eid2902.221482>.

Jones PM, Dietzen DJ, Hoofnagle AN, Lockwood CM, Wiley CL, Konnick EQ. *J Appl Lab Med.* 2022 Oct 29;7(6):1245-1250. doi: 10.1093/jalm/jfac075. PMID: 36106580

Wiley CL, Mason, DS. Medical and Scientific Affairs: Another Career Path for Clinical Chemists. *The Journal of Applied Laboratory Medicine.* 2016; 1 (3): 325-328. PMID: 33626788

Mathieu RE, Riley CP, Wiley CL (2016). Quantitation of ubiquinone (coenzyme Q10) in serum/plasma using liquid chromatography electrospray tandem mass spectrometry (ES/MS/MS). Garg U (Ed.), *Clinical applications of mass spectrometry in biomolecular analysis: methods and protocols* (pages 61-69). New York, NY: Humana Press; Springer (ISBN: 9781493931811). PMID: 26602118 doi: 10.1007/978-1-4939-3182-8\_8

Riley CP, Mathieu RE, Wiley CL (2016). Simultaneous quantitation of estradiol and estrone in serum using liquid chromatography mass spectrometry. In Uttam Garg (Ed.), *Clinical applications of mass spectrometry in biomolecular analysis: methods and protocols* (pages 87-97). New York, NY: Humana Press; Springer (ISBN: 978-1-4939-3181-1). PMID: 26602121

Desai D, Lu J, Molinaro RJ, Wyness SP, Greene, DN, Olson KN, Wiley CL, Grenache DG. Human chorionic gonadotropin discriminatory zone in ectopic pregnancy: does assay harmonization matter? *Fertility and*

*Sterility.* 2014; 101: 1671-1674. PMID: 24666754

Snyder ML, Wiley CL, Molinaro RJ, Ritchie JC, Fantz CR. Falsely Increased hCG in Patients with High Leukocyte Counts. *Clinical Chemistry.* 2013; 59: 1127-1129. PMID: 23545185

Zhao Q, Zhao Z, Leung-Pineda V, Wiley CL, Nelson PJ, Grenache DG, Apple FS, Saenger AK, Gronowski AM. Predicting Respiratory Distress Syndrome Using Gestational Age and Lamellar Body Count. *Clinical Biochemistry.* 2013; 46 (13-14) 1228-32. PMID: 23570861

Riley CP, Mathieu R, Wiley CL, MSACL Poster #34, Minimizing Collection Tube Interferences in the Analysis of Testosterone using Atmospheric Pressure Chemical Ionization. Presented Monday, Feb 11th, 2013, 14:00, San Diego, CA.

Rush MG, Killingsworth, LM, Wiley CL. Standardization of Network Reference Ranges. *Clinical Chemistry.* 2012; 58, (S6): E68.

Riley CP, Mathieu R, Wiley CL. LC-MS/MS Assay for Precise, Simultaneous Evaluation of Testosterone in Men, Women and Children. *Clinical Chemistry.* 2012; 58, (S6): C81.

Higgins TN, Tran D, Cembrowski GS, Shalapay C, Steele P, Wiley C. Is HbA1c a good screening test for diabetes mellitus? *Clinical Biochemistry.* 2011; 44: 1469–1472. PMID: 21933668.

Rush MG, Wiley CL. Performance Evaluation of the Minolta/Drager JM-103 Jaundice Meter. *Clinical Chemistry.* 2011; 57, (S6): A-163.

McPherson E, Thomas GD, Manlick C, Zaleski CA, Reynolds KK, Rasmussen K, Giampietro PF, Wiley C, Mascola M. Extreme values of maternal serum analytes in second trimester screening: looking beyond trisomy and NTD's. *Journal of Genetic Counseling.* 2011; 20(4):396 – 403. PMID: 21505920 doi: 10.1007/

s10897-011-9364-y

Grenache DG, Greene D, Dighe A, Fantz CR, Hoefner DM, McCudden CR, Sokoll L, Wiley CL, and Gronowski A. Falsely Decreased Human Chorionic Gonadotropin (hCG) Results Due to Elevated Concentrations of the Free Beta Subunit and the Beta Core Fragment in Quantitative hCG Assays. *Clinical Chemistry.* 2010; 56:1839 – 1844. PMID: 20930131 doi: 10.1373/clinchem.2010.143479

McCudden CR and Wiley CL. News & Views: A Foot in the Door: A Guide to the Postdoctoral Application Process. *Clinical Chemistry.* 2010; 56:1509 - 1511.

Rush MG, Wiley CL. A Glycohemoglobin Challenge across an Integrated Network. *Clinical Chemistry.* 2010; 56(S6):A92.

Nelson PJ, Rush MG, Bockman J, C. Wiley CL. Comparison of New Access Soluble Transferrin Receptor Assay to Roche Diagnostics Modular P Test. *Clinical Chemistry.* 2010; 56(S6):D65.

Rush MG, Mathieu R, Wiley CL. Comparison of Three Cyclosporine Methods. *Clinical Chemistry.* 2010; 56(S6):E116.

Whittington J, Fantz CR, Gronowski AM, McCudden C, Mullins R, Sokoll L, Wiley CL, Wilson A, Grenache DG. The analytical specificity of human chorionic gonadotropin assays determined using WHO International Reference Reagents. *Clinica Chimica Acta* 2010; 411: 81-85. PMID: 19843470.

Moyer TP, O'Kane DJ, Baudhuin LM, Wiley CL, Fortini A, Fisher PK, Dupras DM, Chaudhry R, Thapa P, Zinsmeister AR, Heit JA. Warfarin Sensitivity Genotyping: A Review of the Literature and Summary of Patient Experience. *Mayo Clinic Proceedings* 2009; 84(12):1079-1094. doi: 10.4065/mcp.2009.0278. PMID: 19955245