

Providence Sacred Heart
Medical Center and PAML
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Carmen L. Wiley, Ph.D., DABCC, FACB

F.K.A. Carmen L.Rehder, Ph.D.

Employment

Present – April 2009 PSHMC and PAML Spokane, WA
Co-director of Chemistry and Immunology

March 2009 - 2001 Marshfield Clinic Marshfield, WI
Clinical Chemist - Section Head - Chemistry

Education

2001 - 1999 Mayo Clinic Rochester, MN
COMACC Accredited Fellowship
Clinical Biochemistry - Program Director, Thomas P. Moyer, Ph.D.

1999 - 1996 University of Washington Seattle, WA
Doctoral Degree
Bioorganic Chemistry - "Microphysiometry: Development and Applications"
(Professor Craig C. Beeson)

1996 – 1994 University of Washington Seattle, WA
Masters Degree
Organic Chemistry - "Design, Synthesis, and Characterization of
Beta-Sheet Peptide-Template Conjugates" (Professor Tomikazu Sasaki)

1994 – 1989 University of Minnesota Minneapolis, MN
Bachelors of Science
Chemistry

Continuing Education - Executive Leadership Programs

Siemens Healthcare Diagnostics Executive Management Program, Notre
Dame University – One Week Course (2008)
Marshfield Clinic Department Chair Program, University of St. Thomas Opus
College of Business – 9 Month Course (2006)

Awards and Honors

AACC: Chicago Section Travel Award to the AACC Annual Meeting (2009)
NACB: Distinguished Abstracts Award (2007)
AACC Outstanding Speaker Award (2006, 2005)
NIH Ringold Fellowship (1999)
NSF Undergraduate Research Fellowship (1993)

Professional Memberships and Affiliations

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

Professional Activities and Committee Positions

Member of the Board of Editors - Lab Tests Online: 2009
AACC SYCL Committee: 2006 – 2010 (Chair – 2010)
AACC Government Affairs Committee: 2009, 2010
AACC Chicago Section – Recording Secretary: 2009
NACB Publication Committee Internet Coordinator: 2008 -2010
AACC 2008 Annual Meeting Organizing Committee: 2006 – 2008
AACC 2011 Annual Meeting Organizing Committee: 2009 - 2011
AACC Chicago Section – Nominating Committee: 2006 - 2008
AACC Membership Committee: 2005 - 2008
AACC Chicago Section – Nominating Committee: 2006 - 2008

Selected Abstracts and Publications

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.

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

Wiley CL, Switzer SP, Berg RL, Glurich I, Dart RA. Association of B-Type Natriuretic Peptide (BNP) Levels With Estimated Glomerular Filtration Rate (eGFR) and Congestive Heart Failure (CHF). *Clinical Medicine Research*. 2009 Nov 17. [Epub ahead of print].

Higgins T, Saw S, Sikaris K, **Wiley CL**, Cembrowski G, Khajuria A, TranD. Seasonal Variation in Hemoglobin A1c: Is it the Same in Both Hemispheres? *Journal of Diabetes Science and Technology* 2009;3(4): 668-671.

Walters T, Pottorf S, Ruttle D, Klopotek D, **Wiley CL**. Evaluation of Dimension Vista 500 Intelligent Laboratory System Performance in a Customer Environment. *Clinical Chemistry*. 2009;55(S6):A49.

Tran DV, Lyon AW, Higgins TN, Wesenberg JC, Vandergouwe L, **Wiley CL**, Cembrowski GS. Use of Serial Patient Hemoglobin A1c Differences to Determine Long-Term Imprecision of Immunoassay and High-Performance Liquid Chromatography Analyzers. *Journal of Diabetes Science and Technology* 2009;3(3): 424-428.

McKiernan F, **Wiley CL**. Vitamin D2, vitamin D3 and the tolerable upper intake level. *Journal of Bone and Mineral Research* 2008;23(12):2060-

2061.

Scheibe B, Bornhorst J, Blacklaw MK, **Wiley CL**. Comparison of Three Unconjugated Estriol Methods to the Gold Standard Method. *Clinical Chemistry*. 2008;54(S6):54.

Gronowski A, Fantz C, Parvin C, Sokoll L, **Wiley CL**, Wener M, Grenache D. Use of Serum FSH to Identify Perimenopausal Women with Pituitary hCG. *Clinical Chemistry*. 2008;54(4): 652 - 656.

Wiley CL, Switzer SP, Berg RL, Dart RA Association of B-Type Natriuretic Peptide (BNP) Levels with Estimated Glomerular Filtration Rate (eGFR) and Congestive Heart Failure (CHF). *Clinical Chemistry*. 2007;53(S6):19.

Snyder MR, Katzmann JA, **Wiley CL**, Butz ML, Dawson D B, Halling KC, Highsmith WE, and Thibodeau SN. Diagnosis of a-1-Antitrypsin Deficiency: An Algorithm of Quantification, Genotyping, and Phenotyping. *Clinical Chemistry*. 2006;52(12):2236-2242.

Urquhart AC, **Wiley CL**. Arterial and venous parathyroid hormone levels in minimally invasive surgery. *Archives of Otolaryngology -- Head & Neck Surgery*. 2005;131(2):137-9.

Wiley CL. Beeson C. Continuous measurement of glucose utilization in heart myoblasts. *Analytical Biochemistry*. 2002;304(2):139-46.

McKiernan F, **Wiley CL**. Measurement of serum estradiol. *JAMA*. 2000;287(12):1528.

Wiley CL, Enger B, Moyer TP. Tiagabine Serum Concentrations Quantified Using Liquid Chromatography (LC) Triple-Quadrupole Mass Spectrometry (MS/MS). *Clinical Chemistry*. 2001;47(S6):345.

**Selected
Presentations/Lectures**

July 19, 2009 - Full Day Short Course – AACC University - Defining and Reporting Critical Laboratory Values in Adult and Pediatric Practices – Chicago, IL.

May 12, 2009 - Invited speaker –2009 Baltimore Workshops for Laboratory Professionals – Full-day workshop – Biomarkers for Disease: Cardiac, Diabetes, and Cancer. – Baltimore, MD.

October 23, 2008 – Invited speaker –University of Alberta – Two-hour Interactive Lecture – BCI Chemistry and Immunoassays – The Marshfield Experience. – Alberta, Canada.

April 17, 2008 – Invited speaker –2008 San Francisco Workshops for Laboratory Professionals – Full-day workshop – Biomarkers for Disease: Cardiac, Diabetes, and Cancer. – San Diego, CA.

March 27, 2008 – Invited speaker - Carolinas Clinical Connection 2008 – Thyroid Function: A Review and Update. 90 Minute Breakout session – Wilmington, NC.

July 18, 2007 – Invited speaker – NACB Oral Abstract Presentation – Association of B-Type Natriuretic Peptide (BNP) Levels with Estimated Glomerular Filtration Rate (eGFR) and Congestive Heart Failure (CHF). – San Diego, CA.

March 29, 2007 – Invited speaker - Carolinas Clinical Connection 2007 – Laboratory Automation: If I knew then What I Know Now. 90 Minute Breakout session – Myrtle Beach, SC.

March 25, 2007 - CLMA Think Lab '07 – Laboratory Automation: If We knew then What We Know Now. Half-day workshop in collaboration with Dr. Stephen Manzella – Houston, Texas

February 22, 2007 - CLMA of Wisconsin – Vitamin D and Bone Health – Marshfield, WI.

July 26, 2006 - AACC annual Meeting, – Brown Bag Facilitator – Laboratory Automation: If I Knew then What I Know Now – Chicago, Ill.

March 24, 2006 – Nephrology Department – PTH and alphabet soup – one hour CME presentation – Marshfield, WI.

May 3, 2006 – invited speaker – AACC Local Section Meeting – one hour presentation on Laboratory Automation – Madison, WI

July 26, 2006 - AACC annual Meeting, – Round Table Facilitator – Laboratory Automation – Orlando, FL.

October 3, 2005 - AACC SYCL seminar speaker at the University of Washington, Careers in Lab Medicine and LC-MS/MS – Seattle, WA.

**References Upon
Request**