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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**