

William Cromwell, MD

**Medical Director – Division of Lipoprotein Disorders
Presbyterian Center for Preventive Cardiology
Presbyterian Cardiovascular Institute**

Adjunct Associate Professor – Wake Forest University School of Medicine

Diplomate – American Board of Clinical Lipidology

Dr. Cromwell received his doctoral degree in medicine from the Louisiana State University School of Medicine in New Orleans, Louisiana. He completed residency training at the Trover Clinic Foundation in Madisonville, Kentucky where he received one of twenty national Mead Johnson Graduate Fellowships. Subsequently, he completed postgraduate work in Lipid Disorders at the Washington University School of Medicine Lipid Research Center in St. Louis, Missouri.

From 1991 to 1994 Dr. Cromwell served as Head of the Division of Lipid Disorders and Medical Director of The Lipid Treatment Program at the Trover Clinic in Madisonville, Kentucky. He moved to Central Florida in 1994 to begin work with The Florida Lipid Associates serving as Medical Director of The Lipid Consultation Program in Lake Wales, Florida and Medical Director of The Florida Lipid Institute in Orlando, Florida.

Dr. Cromwell continued his work in Florida until October 1999 when he accepted a joint position as Chief Medical Officer of LipoScience, Inc. (formerly LipoMed, Inc.) and Medical Director of The Lipoprotein and Metabolic Disorders Institute in Raleigh, North Carolina.

Dr. Cromwell maintained these positions from October 1999 to January 2005 at which time he accepted the position of Medical Director of the Division of Lipoprotein Disorders at the Presbyterian Center for Preventive Cardiology in Charlotte, North Carolina. He also serves as Adjunct Associate Professor in the Hypertension and Vascular Disease Center at Wake Forest University School of Medicine.

In addition to these positions, Dr. Cromwell is a member of the National Lipid Association, the American Heart Association Council on Atherosclerosis, the American Heart Association Council on Nutrition, Physical Activity, and Metabolism, Southeastern Lipid Association, and Florida Lipid Foundation. Dr. Cromwell has authored numerous articles and book chapters in the fields of lipoprotein disorders and physical chemistry.

William Campbell Cromwell, MD
Curriculum Vitae

Home Address	1500 Tradescant Court Raleigh, NC 27613
Office Address	125 Baldwin Avenue, Suite 200 Charlotte, NC 28204 Phone: 704-384-5043 Fax: 704-384-8895
Birth	9 October 1961 Lafayette, Louisiana
Marital Status	Married - Jamie Oliver Cromwell
Children	Kayley Melissa Cromwell 29 June 1989 Jill Christine Cromwell 2 January 1991 Andrew Oliver Cromwell 29 January 1993 Anna Laura Cromwell 1 December 1994 Nathaniel Stewart Cromwell 07 November 2001

Education

Undergraduate	University of Mississippi Oxford, Mississippi Bachelor of Arts - Chemistry 1979 - 1983
Medical	Louisiana State University School of Medicine New Orleans, Louisiana Doctor of Medicine 1983 - 1987
Offices	Chairman Louisiana State University Medical Center Graduate Research Conference 1984

Post Graduate Training

Residency	Trover Clinic Foundation Madisonville, Kentucky 42431 Family Medicine
Honors	Mead Johnson Graduate Fellowship (1 of 20 awarded nationwide) 1989 - 1990
Offices	President Kentucky Medical Association Resident Physician Section 1989 - 1990 Co-Chief Resident Family Medicine 1989 - 1990
Lipid Disorders Training Program	Lipid Research Center Washington University St. Louis, Missouri, 1991

Professional Experience

Medical License	Florida, North Carolina
Board Certifications	Diplomate – American Board of Clinical Lipidology Diplomate – American Board of Family Medicine Fellow – American Academy of Family Physicians
Positions	
Academic	Adjunct Associate Professor Hypertension and Vascular Disease Center Wake Forest University School of Medicine March 2000 – Present Assistant Clinical Professor – Family Medicine University of Louisville March 1992 - May 1995 Part-time Faculty Trover Clinic Foundation August 1991 - June 1994 Associate Director, Family Medicine Residency Program Trover Clinic Foundation Madisonville, Kentucky 42431 July 1990 - August 1991

Practice

Private Practice
Medical Director – Division of Lipoprotein Disorders
Presbyterian Center for Preventive Cardiology
Charlotte, NC
January 2005 – Present

Private Practice
Medical Director – The Florida Lipid Institute
Orlando, FL 32806
January 1999 – September 1999

Private Practice
Medical Director – The Lipid Consultation Program
Physician Medical Clinic
Lake Wales, FL
July 1994 - July 1997

Private Practice
Head – Division of Lipid Disorders
Medical Director – The Lipid Treatment Program
Trover Clinic
Madisonville, Kentucky
September 1991 - June 1994

Medical Director – Dyslipidemia Clinic
Trover Clinic Foundation
Madisonville, Kentucky
July 1990 – September 1991

Other

Chief Medical Officer
LipoScience, Inc (formerly LipoMed, Inc.).
Raleigh, North Carolina
October 1999 – December 2004

Medical Director
Lipoprotein and Metabolic Disorders Institute
Raleigh, North Carolina
October 1999 – December 2004

Board of Directors
The Florida Lipid Associates
1996 – 2001

National Consultant
Dyslipoproteinemia and Atherosclerosis
1990 - Present

Military Service

Reserve

Captain
United States Army Reserve Medical Corps
May 1988 - 27 July 1996

Active Duty Emergency Physician
 807th Mobile Army Surgical Hospital
 Operation Desert Shield/Desert Storm 7
 December 1990 - 15 May 1991

Honors Bronze Star Medal - Meritorious Service
 13 January 1991 - 15 April 1991

Publications

- Books and Book Chapters
- Cromwell WC. Clinical utilization of advanced lipid testing. IN: Clinical Challenges in Dyslipidemia Management. Edited by PP Toth and DA Sica. Oxford Atlas Medical: 2007. (In Press). (Invited Book Chapter)
- Cromwell WC, Otvos JD. Clinical Utilization of Lipoprotein Subfractions. IN: Therapeutic Lipidology Edited by MH Davidson, PP Toth, K Maki K. Totawa, NJ: Humana Press: 2007 (In Press). (Invited Book Chapter)
- Cromwell, WC, Bays HE, Toth PP. Lipoprotein subfraction analysis using nuclear magnetic resonance spectroscopy. IN: Clinical Applications of Markers in Cardiology: A Case-Oriented Approach. Edited by J Adams, F Apple, A Jaffe. London: Blackstone 2007: 217-250. (Invited Book Chapter)
- Ziajka PE, Cromwell WC. Establishing and Managing A Private Practice Lipid Clinic (Second Edition). Philadelphia, PA; Mosby-Wolfe: 2000.
- Invited Review Articles
- Cromwell WC. HDL Associations with Coronary Heart Disease: Does Measurement of Cholesterol Content Give the Best Result? *J Clin Lipidology*. 2007;1:57-64. (Invited Review)
- Jeyarajah EJ, Cromwell WC, Otvos JD. Lipoprotein particle analysis by nuclear magnetic resonance spectroscopy. *Clin Lab Med*. 2006;26(4):847-870 (Invited Review Article).
- Cromwell WC, Otvos JD. Low-density lipoprotein particle number and risk for cardiovascular disease. *Curr Athero Reports*. 2004;6:381-387. (Invited Review Article)
- Original Work
- Cromwell WC, Otvos JD, Keyes MJ, Pencina MJ, Sullivan L, Vasan RS, Wilson PWF, D'Agostino RB. LDL particle number and risk of future cardiovascular disease in the Framingham Offspring Study – Implications for LDL management. *J Clin Lipidology*. 2007;1(6):583-592.

(Original Work Cont.)

Cromwell WC, Otvos JD. Heterogeneity of LDL particle number among patients with type 2 diabetes mellitus and LDL cholesterol <100 mg/dL. *Amer J Cardiol.* 2006;98(12): 599-602.

Otvos JD, Jeyarajah EJ, Cromwell WC. Measurement issues related to lipoprotein heterogeneity. *Amer J Cardiol.* 2002;90(suppl):221 -29i.

Miller M, Dolinar C, Cromwell W, Otvos J. Effectiveness of high-doses of simvastatin as monotherapy in combined hyperlipidemia. *Am J Cardiol.* 2001 ;87:232-234.

Cromwell W, Ziajka P. Development of tachyphalaxis among patients taking HMG Co-A reductase inhibitors, Reply. *Am J Cardiol.* 2001 ;87(8):1032-1034.

Cromwell WC, Ziajka PE. Development of tachyphalaxis among patients taking HMG Co-A reductase inhibitors. *Am J Cardiol.*, 2000;86(7):1 123-1127.

Cromwell WC, Bystrom K, Eftink MR. Cyclodextrinadamantanecarboxylate inclusion complexes: studies of the variation in cavity size. *J Phys Chem*, 1985;89:326-332.

Published Abstracts

Cromwell WC, Otvos JD. LDL Particle Number is Highly Heterogeneous Among Patients With Type 2 Diabetes Mellitus At LDL Cholesterol Target Goal <100 mg/dL . *Circulation* 2005;112:II-786.

Otvos J, Cromwell W, Shalurova I, Parise H, Wilson P, Robins S, D'Agostino R, Schaefer E. LDL particles, but not LDL cholesterol, are highly elevated in the metabolic syndrome – Results from the Framingham Offspring Study. *Circulation* 2003;1 08:IV-740.

Otvos J, Cromwell W, Alexander C, et al. Effects of simvastatin and atorvastatin on total and fractionated HDL cholesterol. (XIIth International Symposium on Atherosclerosis, June 2000, Stockholm, Sweden) *Atherosclerosis* 2000; 151(1):48.

Bhatnagar D, Cromwell WC, Roskoski R. Fluorescence polarization studies on the ATP binding site of hexokinase. *Fed Proc*, 1985;44:1812.

Eftink MR, Riggins M, Cromwell W. Thermodynamic and fluorescence studies of the pH dependence of the binding of NAD⁺ to liver alcohol dehydrogenase. *Biophys J*, 1983; 41:306.

(Published Abstracts Cont.) Eftink MR, Riggins M, Cromwell W. Thermodynamic and fluorescence studies of binary and ternary complexes of liver alcohol dehydrogenase. *Proceedings of the International Symposium on Thermodynamics of Proteins and Biological Membranes*. 1983:24.

Invited Lectures

National CME Programs	> 200
Topics	Evaluation and Treatment of Dyslipoproteinemia Role of Lipoprotein Quantification in Atherosclerosis Pathophysiology of Atherosclerosis Lipoprotein Abnormalities in the Metabolic Syndrome Lipoprotein Abnormalities in Type 2 Diabetes Mellitus
Regional / Local Programs	> 1500
Topics	Evaluation and Treatment of Dyslipoproteinemia Role of Lipoprotein Quantification in Atherosclerosis Pathophysiology of Atherosclerosis Lipoprotein Abnormalities in the Metabolic Syndrome Lipoprotein Abnormalities in Type 2 Diabetes Mellitus

Professional Memberships

American Heart Association
 Council on Atherosclerosis
 Council on Nutrition, Physical Activity and Metabolism
National Lipid Association
Southeast Lipid Association
Consortium for Southeastern Hypertension Control
The Florida Lipid Associates
 Member - Board of Directors 1996 - 2001
American Academy of Family Physicians

I acknowledge that the information presented is current as of December 6, 2007