

CURRICULUM VITAE

**Mark O'Neal Speight, MD 1258  
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Matthews, NC 28105  
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PERSONAL DATA:

Born: Greenville, NC  
Date: October 9, 1960

EDUCATION:

B.A. Chemistry: University of N.C. at Chapel Hill, NC (1982)  
MD Degree: East Carolina/Brody School of Medicine, Greenville NC (1987)

INTERNSHIP:

USCSOM-Richland Memorial Hospital, Columbia, SC (1987-1988)

RESIDENCY:

USCSOM-Richland memorial Hospital, Columbia, SC (1988-1990)

BOARD CERTIFICATION:

American Board of Family Medicine – 1990-2021

PROFICIENCY:

Metal Toxicology

MEDICAL LICENSURE:

State Board of Medical Examiners of North Carolina 1994-present

PROFESSIONAL

AFFILIATIONS:

American Academy of Family Physicians  
North Carolina Academy of Family Physicians  
North Carolina Medical Society  
American Academy of Environmental In Medicine American College  
for Advancement In Medicine  
President and CEO 2011 to 2013  
Vice-President 2009 to 2011  
Program Chair 2004-2005  
Education Committee 2004-2016

STAFF APPOINTMENTS:

Presbyterian Hospital/Novant Health, Charlotte, NC, USA  
Presbyterian Hospital/Novant Health, Matthews, NC USA

PRACTICE EXPERIENCE:

Fairfield Memorial Hospital, Winnsboro, Emergency Room (1988-91) St Eugene Hospital, Dillon, SC, Emergency Room (1989-90) Kershaw County Hospital-Camden, SC, Emergency Room (1989-90)  
Richland Memorial Hospital, Dept. of Emergency Medicine, Columbia, SC(1990-93) Carolina Hyperbarics, RMH, HBO Consulting Physician, (1992-93)  
Lexington Medical Center, West Columbia, SC, Emergency Room (1993-94,96-99) Presbyterian Health Care Associates – Crown Point Family Physicians/Kouri Medical Clinic 10/30/94-3/8/08 The Center For Wellness – Charlotte and Matthews, NC – 8/4/98 - Present

COMMUNITY SERVICE:

Board Member: Free Medical Clinic of Columbia (1991-93) Staff Physician: Free Medical Clinic of Columbia (1987-93) Staff Physician: Free Medical Clinic of Charlotte (2000-03)

ADDITIONAL CERTIFICATION:

HYPERBARIC OXYGEN Consulting Physician  
Advanced Cardiac Life Support

PUBLICATIONS:

Peer reviewed

Speight, M.O., Griffith, M.J.

Calcium inhibits the heparin-catalyzed antithrombin III/thrombin reaction by decreasing the apparent binding affinity of heparin for thrombin. Arch Biochem Biophys 1983 Sep. 225(2):958-63

## PUBLICATIONS (Cont'd)

Donaldson, MS. Speight, N. Loomis, S.

Fibromyalgia syndrome improved using a mostly raw vegetarian diet: An Observational Study BMC Complement Altern Med 2001;1(1):7

Feig, SA, Speight, N, Hynote E, Magaziner A

Summary of the American College for the Advancement in Medicine November 2004 Conference on Emerging Concepts in Immunology

Evid Based Complement Alternat Med. 2005 Mar;2(1):121-124. Oxford University Press.

Feig SA, Speight, N Hynote E, Magaziner A, Miranda RA, Schachter MB Summary of the American College for the Advancement in Medicine May 2005 Conference: Menopause, Andropause: Power in Transition.

Evid Based Complement Alternat Med. 2005 Sep; 2(3):410-413. Oxford University Press.

Feig, SA, Biddle J. Hynote E. Speight, N, Bock K, Magaziner A, Rich JE Summary of the American College for Advancement in Medicine November 2005 Conference on Scientific Integrative Medicine: Advancing Health Horizons.

Evid Based Complement Alternat Med. 2006 Sep;3(3):385-391. Oxford University Press.

Speight, N. Hynote E.

Summary of the American College for Advancement in Medicine November 2007 Conference on Integrative Medicine: Advancing Science in Clinical Practice

Evid Based Complement Alternat Med. 2008 Mar 20 Oxford University Press

## BOOK CHAPTERS:

Advancing Medicine with Food and Nutrients, "Mycotoxin Related Illness" Chapter 44, 2<sup>nd</sup>

Edition. Edited by Ingrid Kohlstadt, MD, MPH, Johns Hopkins University. CRC Press 2012

The SAGE Encyclopedia of Stem Cell Research, "Cell Surface Markers", Second Edition. Edited by Eric E. Bouhassira, SAGE Publications, Inc. ISBN 10- 1483347680. 2015

## MEETING PRESENTATIONS

Kane PC, Cartaxo AL, Pouria S, Leventhal SL, Gedroic K, Downing D, Bieber, K, Milz, M, Speight, MO.  
Neurometabolic Function in Lipid Storage Disorders, By Addressing Epigenetics With Phospholipid Therapy.  
*Lysosomal Disease Network 10<sup>th</sup> Annual WORLDSymposium.*  
*February 9<sup>th</sup>-13<sup>th</sup>, 2015. Poster Presentation.*

Kane PC, Speight MO, Bieber, K. Pouria S, McLaren-Howard J. Milz M. Identification of Toxicity per DNA  
Adducts Followed by Treatment with Phospholipid Emulsion 26<sup>th</sup> *International Neurotoxicology Conference in*  
*Portland Oregon June 6<sup>th</sup>-10<sup>th</sup>, 2010. Poster Presentation*

Kane PC, Wnorowski TM, Bieber K. Speight, MO. Lipid Emulsion for Neurological Disease  
101<sup>st</sup> *American Oil and Chemists Society Annual Meeting and Expo. Phoenix, Arizona. May 16<sup>th</sup>-19<sup>th</sup>,*  
*2010 Podium Presentation*

Kane PC, Pouria S. McLaren-Howard J. Bieber K. Milz M. Speight MO, Kane E. A Novel Application for DNA  
Adducts in the investigation of Neurodegenerative disease with phospholipid emulsion. 9<sup>th</sup> *Congress of the*  
*International Society for the Study of Fatty Acids and Lipids ISSFAL May 29-June 2<sup>nd</sup>. Maastricht, The*  
*Netherlands P006: Poster Presentation.*

Kane PC, Wnorowski TM, Kane E, Speight MO. Application of Lipid Emulsion for Neurological Disease. 7<sup>th</sup> *Euro*  
*Fed Lipid Congress Lipids, Fats, and Oils from Knowledge to Applications October 18<sup>th</sup>-21<sup>st</sup>, 2009 Graz, Austria*  
*Podium Presentation.*

Kane PC, Speight MO, Bieber K, Kane E. Lipid Therapy for Neurological Disease.  
*Dr. Yoshiaki Omara's 25<sup>th</sup> Annual International Symposium October 31<sup>st</sup>, 2009 New York City, NY Podium*  
*Presentation.*

PUBLICATIONS:

Lay Press

Speight, M.O., The EI Syndrome, Synergy Magazine, Jan/Feb 1999 Issue

Speight, M.O., Nutritional Influences On Depression, Synergy Magazine, Nov/Dec 1998 Issue

Speight, M.O., Nutritional and Degenerative Illness, Whole Health News, October, 1998

Speight, M.O., ADHD and Your Child's Health, Carolina Health and Healing, Spring 2001

Foster, JS, Kane, PC, Speight, MO. Detoxification of Biotoxins in Chronic Neurotoxic Syndromes. Townsend Letter for Doctors, November, 2002

Kane, P.C. Foster J.S., Speight, M.O. Detoxification of Biotoxins in Chronic Neurotoxic Syndromes, The Detox Book 2002-2009

LECTURES:

Fort Bragg Infrastructure Security Disaster Resilience, NC State University, Raleigh, NC August 2010.  
"Disasters: Human Impact and Treatment"

American College for Advancement in Medicine, Las Vegas Fall Conference, October 2008 Preventing and Reversing Atherosclerosis. Phosphatidyl Choline and the Molecular Took Kit.

University of North Carolina-Chapel Hill 5<sup>th</sup> Conference On Integrative Medicine, March, 2005.  
"Detoxication: Apples to Xenobiotics".

Capital University of Integrative Medicine- Georgetown University, Washington D.C. 2001-04.  
"Hypercoagulable States and Their Role in Chronic Degenerative Disease"

"Fungemia"

"Cellular Morphology"

"Nutritional Influences on Endothelium"

## LECTURES (cont'd)

The Center For Integrative Medicine/Presbyterian Hospital/Charlotte, NC 1998  
"Nutrition and Degenerative Disease"

Richland Memorial Hospital USC School of Medicine – Columbia, SC (1990-1992)  
Lecture Series to Emergency Medicine Faculty and Residents  
Laryngitis: Acute and Chronic Etiologies Mesenteric  
Ischemia  
Drugs in Pregnancy Acute  
Prostatitis

## RESEARCH

### Site Investigator

NIH/NHLBI Sponsored Study  
TACT-Trial To Assess The Impact of IV EDTA Chelation Therapy On Coronary Artery  
Disease. 2004-2007. Charlotte, NC

### Principle Investigator

International Cell Surgical Society  
Safety of Nucleated Plasma Particles For The Treatment of Traumatic  
Brain Injury, Neurodegenerative and Pulmonary Diseases  
2015- present. Charlotte, NC

### Advisor to Study

Coauthor in the development of protocol to test the use of phosphatidyl choline in the  
treatment of amyotrophic lateral sclerosis. Proposal Presented at the University of Kansas  
Medical Center, Department of Neurology.  
Tentative Approval. Funding Source: Private Foundation. Under  
Consideration

#### AWARDS:

Best Doctors Award: Chosen as one of 7 Family Medicine "Top Doctors" in The Greater Charlotte Region by the Charlotte Business Journal and Best Doctors Inc. (Boston, Mass.) for the years 2011- 2013. [www.bestdoctors.com](http://www.bestdoctors.com).

#### ADVISORY AND BOARD POSITIONS:

2002-2016 - Board Member, Vice President (2009-2011), President (2011-2013)  
American College for Advancement in Medicine. A Nonprofit dedicated to the education  
of physicians. [www.acam.org](http://www.acam.org)  
2012- Pres Medical Advisory Board, Neurolipid Research Foundation  
[www.neurolipid.org](http://www.neurolipid.org)  
2012- Pres Dragonfly Foundation for Research & Development. Collaborative Research  
2013- 2015 – Advisor to Colorado Engineering, Inc - Medical Device Research and  
Development.