

TRACY L. MUHAMMAD, MD

CURRICULUM VITAE

EDUCATION

MHPE	Master of Health Professions Education	2022
	Primary Care Champion Fellowship	2021
	Campbell University Buies Creek, North Carolina	
MD	Rosalind Franklin University of Medicine and Science North Chicago, Illinois	2001
BChE	Bachelor of Science Chemical Engineering	1983-1987
	Illinois Institute of Technology Chicago, Illinois	
	Xavier University	1982-1983
	New Orleans, Louisiana	

POST GRADUATE MEDICAL TRAINING

Residency in Internal Medicine		2002-2005
Rosalind Franklin University of Medicine and Science North Chicago, Illinois		
Internship in Internal Medicine		2001-2002
Rosalind Franklin University of Medicine and Science North Chicago, Illinois		

PROFESSIONAL EXPERIENCE

Novant Brunswick Health		2023-Present
Internal Medicine Hospitalist Boliva, North Carolina		
Biodynamic Research Corporation		2023-Present

Principal Consultant San Antonio, Texas	
Assistant Professor Drexel University School of Medicine Regional Campus Fayetteville, North Carolina	2022-Present
Primary Care Physician Cape Fear Valley Health System Fayetteville, North Carolina	2020-2023
Cape Fear Valley Health System Internal Medicine Residency Attending Fayetteville, North Carolina	2020-2023
Regional Internal Medicine Physician Signify Health Fayetteville, North Carolina	2021-2022
Mercy Health Family Residency Attending Rockford, Illinois	2019-2020
Medical Director of Internal Medicine Clinic Mercy Health System Rockford Illinois	2012-2020
Internal Medicine Senior Consultant Van Matre Encompass Health Rehabilitation Institute Rockford, Illinois	2015-2020
Internal Medicine Attending The University of Chicago & Mt. Sinai Hospital, Chicago ACCESS Community Health Network, Booker Clinic Chicago, Illinois	2009-2012
Internist Morrison Community Hospital Rockford, Illinois	2006-2019
Internist ACCESS Community Health Network Chicago, Illinois	2005-2012
Project Manager and Process Engineer	1990-1998

Abbott Laboratories
Chicago, Illinois

Research and Development Engineer & 1988-1990
Production / Process Supervisor
E.I. DuPont de Nemours
Wilmington, Delaware

CONTINUING EDUCATION

At-Scene Traffic Crash / Traffic Homicide Investigation 2023
Institute of Police Technology and Management
University of North Florida
Jacksonville, Florida

BOARD CERTIFICATIONS

American Board of Internal Medicine (260475) 2020-2030
Illinois Medical Board (036-115-295) 2005-2023
North Carolina Medical Board (2018-00260) 2018-2023

PROFESSIONAL AFFILIATIONS

SAE International 2013-Present
Association for the Advancement of Automotive Medicine 2023-Present
Biomedical Engineering Society 2023-Present
American Medical Women's Association 2020-Present
SEAK, Inc. 2017-Present
American College of Physicians 2008-Present

COMMITTEES AND CLINICAL APPOINTMENTS

Chair of Graduate Medical Education Diversity 2020-2023
Diversity of Equity and Inclusion
Cape Fear Valley Health System
Fayetteville, North Carolina

Project Chair Sickle Cell Disease Quality Improvement 2021-2023
Clinical Work Group
Cape Fear Valley Health System
Fayetteville, North Carolina

AWARDS AND HONORS

Chicago Medical School Summer Research Fellowship 1995-1998

COMMUNITY SERVICE

Delta Sigma Theta Sorority 1995-Present
Fayetteville Urban Ministries 2021-Present

PRESENTATIONS

Population Health of Lower Extremity Injuries in Frontal Car Crash: biomechanics of femur, tibia, fibula, foot, and ankle fractures which occur in frontal crashes. Discussed the incidence of the type, location, and treatment of fractures. University of Texas Medical Branch, Aerospace Medicine Residency Program, San Antonio, Texas. May 2023.

Care Improvement for Patients with Sickle Cell Disease. Piedmont Health Services and Sickle Cell Agency Banquet. Campbell University, Buies Creek, North Carolina. February 2022; Health Resources and Services Administration (HRSA). August 2022; Campbell University Master of Health Professions Education, Buies Creek, North Carolina. August 2022; and Cape Fear Valley Health System, Fayetteville, North Carolina. September 2022.

Primary Care Office Procedures. Cape Fear Valley Health System, Fayetteville, North Carolina. June 2022.

Improving Hypertension Control for Patients in Primary Care Internal Medicine. Cape Fear Valley Health System, Fayetteville, North Carolina. May 2021; Campbell University Master of Health Professions Education, Buies Creek, North Carolina. May 2021 and August 2021; and Health Resources and Services Administration (HRSA), Washington, DC. August 2021.

Billing and Coding in the Hospital and Primary Care Setting: A systematic review of outpatient visit and procedure coding. Cape Fear Valley Health System, Fayetteville, North Carolina. June 2021.

Prevention, Screening, and Population Health: Cape Fear Valley Health System, Fayetteville, North Carolina. June 2021.

The Effects of Gun Violence on Health Care: A presentation of an altered lifestyle due to living in an environment with high gun violence. Development of food deserts, patient's inability to leave their homes to walk in their neighborhoods resulting in worsening of diabetes, hypertension and other chronic illnesses. Urban Preventive Health Care Summit University of Chicago, Chicago, Illinois. May 2009.

PUBLICATIONS

Care Improvement for Patients with Sickle Cell Disease: Current Curriculum. Cape Fear Valley Health System. Fayetteville, North Carolina. 2013-Present.

Improvement of Care for Patients with Hypertension: Current Curriculum. Cape Fear Valley Health System. Fayetteville, North Carolina. 2013-Present.

Genetically Evolved Receptor Models (GERM): A Comparison of Evolved Models with Crystallographically Determined Binding Sites, D.E. Walters and T.D. Muhammad, in Rational Molecular Design in Drug Research, T. Liljefors, T.S. Jorgensen, and P. Krosgaard-Larsen, Eds., Alfred Benzon Symposium No. 42, Munksgaard, Copenhagen, 1997.

Genetically Evolved Receptor Models (GERM): A Procedure for Construction of Atomic-Level Receptor Site Models in the Absence of a Receptor Crystal Structure, D.E. Walters and T.D. Muhammad, in Genetic Algorithms in Drug Design, J. Devillers, eds., Academic Press, pp 193-210, 1996.

Improving Hypertension Control for Patients in Primary Care Internal Medicine: Publication Pending.