

**Crystal H. Dodson, PhD, RN, MSN, BC-ADM**

***Education:***

The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina  
Doctor of Philosophy, Nursing  
December 2012  
Dissertation: Diffusion of Innovation: Knowledge and Attitudes of Oncology  
Nurses Regarding Pharmacogenomic Testing

The University of North Carolina at Greensboro, Greensboro, North Carolina  
Master of Science, Nursing Education  
May 2008  
Thesis: Perceived Genetic Knowledge of Pre-licensure Nursing Students

The University of North Carolina at Greensboro, Greensboro, North Carolina  
Bachelor of Science, Nursing  
May 2005

***Employment Experience:***

University of North Carolina at Wilmington  
Assistant Professor  
2016-present

Winston-Salem State University  
Assistant Professor  
WSSU MSN to Duke PhD Bridge Program Coordinator  
2013-2016

Cone Health  
Diabetes Coordinator/ Staff Educator, 2007-2016

University of North Carolina at Greensboro  
Clinical/Lab Nursing Instructor, 2011-2013

Wake Forest University Biology Lab  
Biology Lab Technician, 2000-2002

***Clinical Experience:***

Diabetes Coordinator: 2007-2016

Clinical Nursing Instructor: 2011-2013

Nursing Lab Instructor: 2011

Intensive Care Nursing/Oncology: 2003- 2008

Clinical Nurse Educator/Oncology Department: 2007-2008

Genetics Laboratory Technician: 2000-2002

***Publications:***

Dodson, C. H., & Maness, L. (2017). Genomic markers associated with insulin resistance and Type 2 Diabetes in African Ancestry: A review. *Open Journal of Hematology*, 8, 1-8. doi: 10.13055/ojhmt\_8\_1\_2.170302

Dodson, C. H. (2015). Nurses' perception of insulin pen utilization in the hospital setting. *AADE in Practice*, 3, 20-25.

Dodson, C. H. (2015). Attitudes of oncology nurses concerning pharmacogenomics. *Personalized Medicine*, 12(6), 559-562.

Dodson, C. H. (2014). Knowledge and attitudes of oncology nurses regarding pharmacogenomics testing. *Clinical Journal of Oncology Nursing*, 18(4), E64-E70.

Dodson, C. H., Simpson, J., & Feinstein, D. (2014). Glycemic control in a medical intensive care setting: Revision of intensive care unit hyperglycemia protocol. *Critical Care Nursing Quarterly*, 37(2), 170-181.

Dodson, C. H., & Lewallen, L. (2011). Nursing students' perceived knowledge and attitude about genetics. *Nurse Education Today*, 31(4), 333-339.

Dodson, C. H. (2011). Knowledge and attitudes concerning pharmacogenomics among healthcare professionals. A literature review. *Personalized Medicine*, 8(4), 421-428.

Dodson, C. H., & Van Riper, M. (2011). Analysis of clinicians' attitudes towards pharmacogenomics. *Personalized Medicine*, 8(5), 533-540.

***Podium Presentations:***

Increasing Diversity Among Doctoral Students, South Eastern Nursing Staff Education Symposium, Concord, NC, 2015

The Role of Pharmacogenomics in Infusion Therapy, Infusion Nursing Society, Louisville, KY, 2015

Critical Care Glycemic Management: Pearls of Success, American Association of Diabetes Educator National Conference, Philadelphia, PA, 2013

Using the Evidence to Improve Glycemic Control in the ICU, Nursing Research and Evidence-Based Practice Symposium, Greensboro, NC, 2012

***Poster Presentations:***

Lifestyle Behaviors and Demographic Factors among Adults at Risk for Type 2 Diabetes, SNRS, Dallas, 2017

Addiction as a Mental Illness; Identifying the Role of Genetics in Alcohol and Opioid Abuse in Homeless Adult Males, Scholarship Day, Winston Salem State University, 2016

Diabetes: A Significant Issue, Scholarship Day, Winston Salem State University, 2016

Do E-cigarettes cause an Increased Risk of Cancer? A Comprehensive Literature Review, Scholarship Day, Winston Salem State University, 2016

Factors Related to Self-care Management among Adults at Risk for Type II Diabetes, Scholarship Day, Winston Salem State University, 2016

Screening Tools to Detect the Prevalence of Eating Disorders in Adolescents with Type 1 Diabetes, Scholarship Day, Winston Salem State University, 2016

Sexually Transmitted Infections and Risky Sexual Behaviors among Individuals aged 15-24, Scholarship Day, Winston Salem State University, 2016

Advantages and Disadvantages of utilizing insulin pens vs insulin vials and syringes, Scholarship Day, Winston Salem State University, 2015

Depression Interventions in Patients with Type 2 Diabetes: Literature Review, Scholarship Day, Winston Salem State University, 2015

Pharmacogenomics: Attitude, Knowledge, and Utilization, Southern Nursing Research Society Conference, Tampa, 2015

Perception of Insulin Pen Utilization in the Hospital Setting Among Nursing, American Association of Diabetes Educator National Conference, Orlando, 2014

Artificial Nutrition and Hydration at End-of-Life: Bedside RN Knowledge and Confidence, Annual Nurses Improving Care for Healthsystem Elders Conference, 2014

Artificial Nutrition and Hydration at End-of-Life: Bedside RN Knowledge and Confidence, Nursing Research and Evidence-Based Practice Symposium, Cone Health, 2012

The Use of Novolog to Cover Enteral Feeds with an Adult ICU Hyperglycemia Protocol, Cone Health Research Day, 2012

Chemotherapy-Induced Neuropathy: Nursing Knowledge and Perception, Cone Health Research Day, 2012

Glycemic Control in the Postoperative Cardiac Surgery Patient, Cone Health Research Day, 2012

Diabetes Resource Nurses in the Hospital: Do They Make a Difference? AADE, 2011

Knowledge and Attitudes of Pharmacogenetic Testing Among Nurses, SNRS, 2010

Knowledge and Attitudes of Pharmacogenetic Testing Among Health Care Providers: A Literature Review, ISONG, 2010

**Grants:**

Project Number: NR25GM102739    Brandon, Debra (PI)                    2012-2017  
Source: NIH/NIGM  
Title: **BRIDGES to the Doctorate in Nursing**  
Role: Program Director-10%

The purpose of the grant is to recruit, engage, and educate ethnic minority nurses as doctoral prepared nurses to conduct research and engage in health disparities research.

**Program Outcomes:**

	Admitted	Graduated	Admitted to PhD Program
Cohort 1: 2013-2015	3	2	2 (Duke)
Cohort 2: 2014-2016	3	2	1(Duke)
Cohort 3: 2016-2017	4	3	3 (Duke)

**WSSU Research Initiation Program Grant, 2016, \$9981**

**WSSU Research Initiation Program Grant, 2015, \$7285**

**WSSU Professional Development Committee Research Grant, 2013, \$2165**

***Licenses/Certifications:***

Registered Nurse, June 2005

- North Carolina
- Alabama
- Washington
- Florida
- Georgia

Board Certification-Advanced Diabetes Management, 2013

Diabetes Coordinator Certification, November 2007

UNC-Chapel Hill Institute for Pharmacogenomics and Individualized Therapy  
Trainee, 2010-2012

***Professional Affiliations:***

Clinical Pharmacogenomic Implementation Consortium, Member

American Association of Diabetes Educators Member

American Nurses Association Member

Sigma Theta Tau, Gamma Zeta Chapter Member

Southern Nursing Conference Society Member

***Awards:***

Best Research Article, WSSU DON, 2015

Best Poster Presentation, WSSU DON, 2015

Setting the Pace Recipient, Cone Health, 2014

First Place Poster Presentation at Nursing Research and Evidence-Based Practice  
Symposium, Cone Health, 2012

Second Place Poster Presentation at AADE 2011

T32 Fellow-Prevention and Management of Chronic Illness: 2008-2010

North Carolina Nurse Educator's of Tomorrow Scholarship Recipient: 2006-2011

North Carolina Nurse Scholar: 2004-2005

***Courses Taught:***

<b>Course Numbers</b>	<b>Titles</b>	<b>Institution Name</b>
NSG 316	Professional Nursing Practice of the Baccalaureate Nurse	UNCW
NSG 404	Health Policy	UNCW
NSG 415	Nursing Research: Introduction to Critical Appraisal and Evidence-Based Practice	UNCW
NUR 1303	Talking the Talk	WSSU
NUR 3102	Adult Health I	WSSU
NUR 3303	Nursing Research	WSSU
NUR 4103	Adult Health II	WSSU
NUR 6301	Theoretical Basis for Advanced Nursing Practice	WSSU
NUR 6330	Advanced Nursing Research Concepts I	WSSU
NUR 6334	Scholarly Project	WSSU
NUR 6601	Thesis	WSSU
NUR 210	Concepts in Nursing	UNCG
NUR 220	Nursing Assessment of Well Individuals	UNCG
NUR 430	Care of Individuals with Complex Illness	UNCG
NUR 440	Nursing Practicum II	UNCG
NURS 6050	Policy & Advocacy for Population Health	Walden
NURS 6051	Essentials of Evidence-Based Practice	Walden

***Service:***

Pharmacogenomics Peer Reviewer: 2016-present

Critical Care Nurse Peer Reviewer: 2016-present

Nurse Education Today Peer Reviewer: 2013-present

Cone Health Nursing Research Council Co-Chair: 2014-2015

Diabetes Liaison for Charter Schools in Rockingham County: 2011-present

DON Undergraduate Curriculum Committee Member: 2013- present

DON Graduate Curriculum Committee Member: 2013-present

Bridge Mentor Committee Chair: 2014-present

WSSU Professional Development Committee Member: 2015-present

SOHS Research and Grants Committee Member: 2015-present