

Ann K. Cashion, PhD, RN, FAAN
CURRICULUM VITAE (07-13-2023)

PERSONAL HISTORY:

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Citizenship: USA

Licensure: RN 0000121824 (State of Tennessee)

EDUCATION:

<u>Degree</u>	<u>Institution</u>	<u>Major</u>	<u>Year</u>
BSN	University of North Carolina Chapel Hill, NC	Nursing	1978
MNSc	Univ. of Arkansas Med Science Campus Little Rock, AR	Nursing/Adult	1982
PhD	Univ. of Tennessee Health Science Ctr Memphis, TN	Nursing	1998
PostDoc	NINR/NIH & Georgetown Univ. Bethesda, MD	Molecular Genetics	2000

PROFESSIONAL EXPERIENCE:

2020 (July)-present	Professor Emerita	UTHSC College of Nursing (CON), Memphis, TN
2018 (Sept)-2019 (Sept)	Director (Acting)	National Institute of Nursing Research (NINR)/National Institutes of Health (NIH), Bethesda MD
2018 (Jan)-2019 (Sept)	Deputy Director (Acting)	National Institute of Nursing Research (NINR)/National Institutes of Health (NIH), Bethesda MD
2013 (Sept)-2019 (Sept)	Scientific Director	National Institute of Nursing Research (NINR)/National Institutes of Health (NIH), Bethesda MD
2012-2013	Scientific Director (Acting)	NINR/NIH Bethesda MD

2011-2012	Senior Advisor to Director	NINR/NIH Bethesda, MD
2008-2013	Professor <u>with tenure</u> ,	Univ. of TN Health Science Center (UTHSC), College of Nursing (CON), Memphis, TN.
2005-2012	Chair	Acute and Chronic Care Department UTHSC, CON, Memphis, TN
2008-2010	Director	Community Engagement/Research Unit UTHSC Clinical Translation Science Int.
2000-2009	Director	Center for Health Evaluation and Lifestyle Promotion, UTHSC.
2004-2008	Associate Professor <u>with tenure</u>	UTHSC, CON, Memphis, TN
2004-2005	Interim Chair	Acute and Chronic Care Department, UTHSC, CON, Memphis, TN
1998-2004	Assistant Professor	UTHSC, CON, Memphis, TN
1995-1998	Research Asst.	UTHSC, CON, Memphis, TN
1994-1995	Clinical Instructor	Univ. of Ark Med. Sc. (UAMS), CON LR,AR
1994-1995	Project Director (NIH/NCI) Increasing breast screening in minority women	UAMS, CON, Little Rock, AR
1988-1996.1	Clinical Nurse	St. Vincent Infirmary Medical Cnt., Critical Care Units, Little Rock, AR
1981-1988.1	Critical Care Clinical Nurse Specialist	ICU, ER, Renal Dialysis, St. Vincent Infirmary Medical Center, Little Rock,
1978-1981	Clinical Nurse	St. Vincent Infirmary Medical Center, Intensive Care Units, Little Rock, AR

HONORS/AWARDS:

2018 2018 Anna Gawlinski Research Scholar of the Nursing Practice Research Council UCLA Health

- 2015 Featured on Cover of the *Tennessee Alumnus Magazine*. Spring 2015 issue.
- 2015 2015 International Award recipient of the Best of Journal of Nursing Scholarship Award in World Health for the article *A Blueprint for Genomic Nursing Science*.
- 2014 *Ann Cashion, PhD: Alumna Success Story*. Feature Article in UTHSC Graduate Health Sciences, Summer 2014
- 2011 Invited presenter on Genetic Research: Uncovering Symptoms Associated with Obesity at National Institute of Nursing Research Council, Bethesda, MD.
- 2010 Invited moderator for 25th Anniversary Science Symposium of the National Institute of Nursing Research/ NIH, Bethesda, MD.
- 2007 2007 Outstanding Alumna, University of Tennessee Health Science Center, College of Nursing
- 2006 Fellow, American Academy of Nursing
- 2005 Memphis Business Journal Healthcare Hero (non-physician category).
- 2005 Invited speaker for the 20th Anniversary Science Symposium of the National Institute of Nursing Research.
- 2005 Fellow, Robert Wood Johnson Executive Nurse Fellows (2005-2008)
- 2004 International Society of Nurses in Genetics (ISONG) Founder's Award in recognition of outstanding genetics research and scholarship.
- 2004 One of 10 nurse scientists featured in the Johnson & Johnson Nurse Scientist Video to promote NINR and Nursing Research.
- 2003 Academic Keys Who's Who in Health Sciences Education (WWHSE).
- 2002 *MEDSURG Nursing* Nursing in Genetics Writer's Award for article titled "Genetics in Transplantation".
- 1980 UAPHS Traineeship for Graduate Study on the Master's level

OTHER EXPERIENCE / PROFESSIONAL / HONOR SOCIETIES MEMBERSHIPS:

- 2010-2012 Obesity Society
- 2010-2012 American Transplantation Society
- 2008-present Robert Woods Johnson Executive Nurse Alumni
- 2006-present American Academy of Nursing (fellow)
- 2003 NIDDK's Short Course on Statistical Genetics in Obesity and Nutrition
- 2002 Web-Based Genetics Institute (218 contact hrs), Cincinnati Children's Hospital Medical Center
- 2001-2021 International Society of Nursing Genetics
Southern Nursing Research Society
International Transplant Nurses Society
American Nephrology Nurses' Association
- 2000-present Council for the Advancement of Nursing Science
- 1997-present American Nurses Association
- 1977-present Sigma Theta Tau

RESEARCH/GRANTS/CONTRACTS:

ZIA NR000015 (**Cashion, PI**) \$11.4 mil 2012-2019

Genomic Analyses for Elucidating Novel Targets for Symptoms Management

The major goals are to explore the multifactorial origin (genetic and environmental factors) of symptoms contributing to variations in clinical outcomes. It is unlikely that common variations in a single gene act dominantly on complex traits; rather, the contribution of each gene seems to be subtle, acting on one of multiple biological pathways, making its signal difficult to detect.

Role: PI

ZIA NR000030 (**Cashion, PI**) \$10 mil 2014-2019

Biomarkers to Predict Patient Outcomes and Guide Therapies

The major goal is to explore the contribution of genomic, proteomic, and environmental factors (food intake, physical activity, demographic, health status, psychosocial) to obesity at one year following renal transplantation in recipients. Long-term goals include prevention and treatment of obesity in recipients. Our hypothesis is that gene-environmental interactions can predict whether individuals will gain weight/become obese at one year post-transplant. We also explored these hypotheses within other clinical populations.

Role: PI

1ZIENR000016 (**Cashion, PI**) \$2.7 mil 2012-2014

NINR Intramural Research Training Programs

The major goal was to support the training of fellows, trainees, and students within the intramural research program of the NINR.

Role: PI

1ZIANR000014 (**Cashion, PI**) \$2.1 mil 2012-2013

Molecular-Genetic Mechs Underlying Effects of Anti-inflammatory/Analgesic Drugs

The major goal is to develop selective COX-2 inhibitors to avoid the adverse gastrointestinal effects of COX-1 suppression by traditional NSAIDs.

Role: PI

Methodist Healthcare Foundation (**Cashion, PI**) \$75,000 03/01/2010-02/28/2011

Describing Diet, Activity and Weight Gain of Liver Transplant Recipients from Baseline to 6 Months Post Transplant

The major goal is to provide a foundation for the design of a dietary intervention to prevent weight gain and resulting co-morbidities among future liver transplant recipients.

Role: PI

National Institutes of Justice Speck (Speck, PI) unknown 01/01/2010-12/31/2012

Post Coital DNA Recovery

The major goals are to answer (1) what is the time frame for sperm recovery post coitus using Y-STR laboratory methods, and (2) what are physiological conditions that may impact recovery of DNA in post-coital samples.

Role: Consultant-Core Expert Advisor

Grant 3R01NR009270-03S2 (**Cashion, PI**) \$35,527 07/14/2009—09/30/2010
NIH/NINR

Genetics, Environment, and Weight Gain Post Transplant.

The major goal is to expose college students and non-research intensive faculty to programs of research. Students and faculty will be hired as summer research assistants.

Role: PI

1R01 NR009270 (**Cashion, PI**) \$1.5 million 05/15/2007-02/29/2012
NIH/NINR

Genetics, Environment, and Weight Gain Posttransplant

The major goals are to examine the biological and environmental underpinnings associated with weight gain during the first year following kidney transplantation.

Role: PI

General Clinical Center (**Cashion, PI**) clinical support 05/15/2007-02/29/2012
Un. Of Tennessee Health Sc. Ctr

Genetics, Environment, and Weight Gain Posttransplant

The major goals are to examine the biological and environmental underpinnings associated with weight gain during the first year following kidney transplantation.

Role: PI

IT32NR009759 (Dorman, PI) \$700,000 06/01/2006-5/31/2011
NIH/NINR

Targeted Research and Academic Training of Nurses in Genomics

The major goal of the proposed training program is to prepare pre- and postdoctoral nursing scientists to incorporate genomics into their research trajectories using didactic courses, clinical rotations, journal clubs, seminars, individualized practice and laboratory experiences, and presentations at scientific meetings.

Role: External Advisory Board member

F31 NR010057-01 (Mandrell, PI) ~\$24,000 07/1/06-06/30/08
NINR/NIH Ruth L. Kirschstein National Research Award

Molecular Profile of Secondary Breast Cancer Grant

The major goal is to examine genetic factors (gene expression & SNPs) associated with secondary breast cancer in women treated for Hodgkin's Disease.

Role: Sponsor

DSCN-06-214-01 (Mandrell, PI) ~\$30,000 07/1/06-06/30/08
American Cancer society Doctoral Scholarship

Molecular Profile of Secondary Breast Cancer Grant

The major goal is to examine genetic factors (gene expression & SNPs) associated with secondary breast cancer in women treated for Hodgkin's Disease.

Role: Sponsor

#904-C03 Velasquez (PI)	\$50,000	06/01/05-05/31/06
Private Industry		
<i>Assessing the In-Vivo Interaction Between the Enteroinsular Axis (EIA) and the Autonomic Nervous System (ANS) in 2 Different Models of Obesity</i>		
The major goal is a pilot study that evaluates differences in the interaction among EIA activity, ghrelin, leptin and ANS modulation, in overweight adolescents with and without Prader-Willi Syndrome		
Role: Co-investigator		
F31 NR010057-01 (Driscoll, PI)	~\$24,000	07/1/06-06/30/08
NINR/NIH Ruth L. Kirschstein National Research Award		
<i>Gene Expression Profiles of Liver Transplant Recipients</i>		
The major goal is to examine genetic factors (gene expression) associated with obesity in liver transplant recipients.		
Role: Sponsor		
1R15 NR07912 01 (Cashion, PI)	\$143,000	01/01/02-12/31/04
NIH/NINR		
Genetic Markers of Acute Pancreas Allograft Rejection		
The major goal is to identify potential biomarkers for acute rejection in pancreas transplant recipients by monitoring gene expression levels prior to and following acute rejection episodes during the first 3 months following pancreas transplant.		
Role: PI		
1R01NR008286 (Painter, PI)	\$476,686	08/14/03-1/30/07
NIH/NINR		
<i>Comparison of exercise responses in four ESRD treatments.</i>		
This study will provide new information on the limitations to functioning in uremic patients and provide physiological comparisons of the various ESRD treatment modes.		
Role: consultant		
Center Catalyst Grant (Cashion,PI)	\$10,000	12/01/03-01/01/05
Center of Genomics and Bioinformatics (University of Tennessee Health Science Center)		
<i>Gene expression profiles in liver transplant recipients with and without posttransplant diabetes and with and without Hepatitis C.</i>		
The major goal is to determine what genes are differentially expressed in liver transplant recipients with diabetes and Hepatitis C.		
Role: co-PI		
Children's Foundation Res. Cnt. (Velasquez, PI)	\$150,000	6/1/03- 5/30/06
<i>Racial differences in the impact of overweight in adolescents.</i>		

Major goals: To identify racial differences in the pathogenic mechanisms by which obesity induces deterioration of glucose metabolism and increases risk for heart disease in adolescents.

Role: Co-Investigator

2 R01 NR3871-07 (Hathaway, PI) \$1,956,000 9/1/00-8/31/05

NIH/NINR

Dysautonomia, Exercise, and Posttransplant Quality of Life

Main Goals: The proposed randomized experiment study seeks to describe the effect participation in a structured exercise program has on long-term transplant recipients (1-10 years post kidney or kidney-pancreas transplant) and patients who have recently received a transplant.

Role: Co-investigator

Sandostatin LAR Depot CSMS995G (Velasquez, PI) \$40,000 1/15/02-7/31/03

Private Industry (Novartis)

Main Goals: Randomized, double-blind, placebo-controlled, dose finding, multicenter study of Sandostatin LAR[®] Depot (20 mg, 40 mg, 60 mg) in patients with primary insulin hypersecretion (PIH) and at least moderate obesity.

Role: Co-Investigator

Gulcovance TM (Velasquez-Mieyer, PI) unknown 2001

Bristol-Myers Squibb Pharmaceuticals Corporations A Multicenter, Randomized, Double-Blind, Clinical Trial Evaluating the Safety and Efficacy of Gulcovance TM Versus Metformin and Glyburide Monotherapies in Pediatric Patients with Type 2 Diabetes Mellitus.

Role: Co-Investigator

Peripheral Nerve Function (Russell, Cynthia. PI) \$10,450 5/01-5/03

Symptom Self-Care, Self-Care Decision Making, Oxidative Stress and the Effects of Vitamin E on Peripheral Nerve Function of Patients with Type 1

Role: Co-Investigator

Smoking Cessation Pilot (Cashion, PI) \$19,280 5/01-5/03

UTHSC CON Internal Funding

Initiating a Peer-mentoring Tobacco Cessation Program for End-Stage Renal Disease and Transplant Patients.

Major Goals: Pilot test a peer-mentoring program for tobacco cessation in a special population.

Role: PI

Summer IRTA Fellow (Cashion, PI) \$24,000 2000

NIH/NINR

Summer Genetic Institute

Main Goal: 2-month fellowship at the National Institutes of Health (NINR) to study molecular genetics.

Role: student/PI

Small grant project (Cashion, PI)	\$5000	5/99-4/00
National Kidney Foundation, Western Tennessee Chapter		
<i>Heart Rate Variability and Mortality in End-Stage Renal Disease</i>		
Main Goal: Obtain pilot data to explore if heart rate variability can predict mortality risk in end-stage renal disease.		
Role: PI		
Small grant project (Cashion, PI)	\$1500	5/99-4/01
Sigma Theta Tau, Beta Theta Chapter-at-Large		
<i>Heart Rate Variability and Sudden Cardiac Death in End-Stage Renal Disease</i>		
Main Goal: Obtain pilot data to explore if heart rate variability can predict mortality risk in end-stage renal disease.		
Role: PI		
1R01NR003871 (Hathaway, PI)	\$1.5 million	1995-99
NIH/NINR		
<i>Autonomic Function and Posttransplant Quality of Life</i>		
Main Goal: The purpose of this study is to explicate the biobehavioral linkages among changes in autonomic function and quality of life that occur following kidney and pancreas-kidney transplantation.		
Role: Co-Investigator		
1R25CA066888-01 (Coleman, PI)	\$300,000	3/95-2/98
NIH/NCI		
Increasing breast screening among rural minority women		
Main Goal: The proposed research utilizes a multimethod approach specifically designed to increase breast cancer screening among a population of low income, undereducated, African American women.		
Role: Program Director		
Pilot study (Cashion & Cason, co-PI)	Unfunded	12/83-5/84
<i>Preparation of Family Members for Visiting Patients in the Intensive Care Unit.</i>		
Main Goal: To develop an educational video program to prepare families for the ICU environment. The video was shown in the waiting room.		
Role: Co-PI		
Master's Thesis (Cashion, PI)	Unfunded	8/80-10/81
<i>The Effectiveness of Oral and Rectal Temperature Measurements in Orally Intubated Subjects</i>		
Main Goal: To determine if oral temperature measurements were as accurate as rectal measurements in orally intubated subjects.		
Role: PI		

LEADERSHIP / COMMITTEE MEMBERSHIPS:

International:

International Society of Nurses in Genetics

2003-2004, Abstract Co-chair for 16th Annual Convention

2003-2004, Program Committee for 16th Annual Convention

2003-2005, Board of Director, Member at Large

2006, Chair, Program Committee for 18th Annual Convention

2005-2008, President-elect, President, Past President, member Board of Directors

Sigma Theta Tau Beta Theta Chapter at-large

2003-2004, Nominating Chair

1995, Vice President, Program Chair

Past Member on Local Chapter Research, Program, and Nomination Committee

American Academy of Nursing

2010-2012, Chair, Genetics Expert Panel

National:

2019-2020, Chair, National Institute of Nursing Research National Advisory Committee (NINR NAC)

2013- 2019, National Academy of Medicine/Institute of Medicine (IOM) Roundtable on Genomics and Precision Health formerly known as Roundtable on Translating Genomic-Based Research for Health (member).

2012-2015, Robert Woods Johnson Exec Nurse Fellows Alumni Board of Directors, Member-at-Large

June 2010-June 2011, Chair, Initial Review Group (NRRC) (Training Grant Reviews)

Member—February 22, 2008 - June 30, 2011

2007-2010, Evaluation of Genomic Applications in Practice and Prevention Stakeholders Group. (CDC Public Health Initiative), invited member. Co-chair Communications Committee

2010-2012 Genomics Applications in Practice and Prevention Network (GAPPNet), invited member and Chair communications committee (CDC Initiative).

Regional:

2003-2011, Executive committee of the Southern Regional Education Board (SREB) Ad Hoc Committee on Genetics

Community:

2010-2011, Healthy Memphis Common Table Advisory Board, member

Institutional NIH

2018-2019 NIH Institutional Director Committee

2017-2019 NIH IRP Stadtman Committee (Chair for 2019)

2017-2019 NIH IRP Scientific Director agenda committee

2017-2018 NIH IRP WALS lecture series (Chair 2018)2017-NIH IRP Research Festival, chair

2016-NIH Research Festival Co-Chair (with Dr. Andrew Griffith)
2015-2019 NIH Library Advisory Committee (Chair 2017/18)
2011- 2019. Numerous search committees including Executive Officer (NINR), Extramural, Chief (NINR), and Tenure Track positions (NCCAM), OHR Chief
2012-2019 NIH IRP Scientific Directors Committee
2013-2019 Trans-NIH Working Group on Clinical Genomics Implementation
2011-2019 Multiple Steering Committees and Working Groups in support of NIH/NINR such as the IQ Steering Committee, NINR's 30th Anniversary Steering committee

Institutional (Univ. of Tennessee Health Sci. Ctr):

Faculty Senate Committee

2004-2006, Budget and Benefits Chair

2003-2006, Executive Committee

HELP Center Faculty Research Committee, chair 2000-2009

Co-Chair, Search Committee for Vice Chancellor of Community Affairs, UTHSC, 2005,

Member, Search Committee for Chancellor, UTHSC, 2004-2005,

Member, Regional Biocontainment Laboratory Board of Governors, UTHSC, 2005-2009,

Chair, Community Relations Committee for Regional Biocontainment Laboratory,

UTHSC, 2006-2009,

Executive Management Board, Clinical Translational Science Institute, 2006-2012,

UTHSC Research Strategic Planning Committee, 2009-2012

UTHSC Strategic Research Operations Planning Committee, 2021

College of Nursing:

2000-2012, Faculty Committee

2004-2012, Promotion and Tenure committee

2004-2012, Executive Committee

2021-Strategic Research Planning Committee

SCHOLARLY ACTIVITIES:

Abstract and Grant Reviewer

1. American Nephrology Nurses Association
2. International Society of Nurses in Genetics
3. International Transplant Nurses Society
4. National Institute of Nursing Research
5. Robert Wood Johnson Foundation

Editorial Board Member

- Biological Research for Nursing –2008 - present

Journal reviewer

- AACN Clinical Issues: Advanced Practice in Acute and Critical Care Journal
- Biological Research for Nursing
- Research in Nursing and Health
- Journal of Nursing Education
- PLOS ONE

PUBLICATIONS:

Journals - Peer reviewed (= databased, #=review)**

1. ****Cashion, A.K.** & Cason, C.L. (1984). Accuracy of oral temperatures in intubated patients. Dimensions of Critical Care Nursing, 3(6), 343-50. PMID: 6568155.
2. ****Hathaway, D.K., Cashion, A.K.,** Wicks, M.N., Milstead, E.J., & Gaber, A.O. (1998). Cardiovascular dysautonomia of patients with end-stage renal disease and type I or type II diabetes. Nursing Research, 47(3),171-9. PMID: 9610651.
3. ****Hathaway, D.K., Cashion, A.K.,** Milstead, E.J., Winsett, R.P., Cowan, P.A., Wicks, M.N., & Gaber, A.O. (1998). Autonomic dysregulation in patients awaiting kidney transplantation. American Journal of Kidney Disease, 32(2), 221-9. PMID: 9708605.
4. ****Hathaway, D.K., Wicks, M.N., Cashion, A.K.,** Cowan, P.A., Milstead, E.J., & Gaber, A.O. (1999). Heart rate variability and quality of life following kidney and pancreas-kidney transplantation. Transplantation Proceedings, 31(1-2), 643-4. PMID: 1008327.
5. ****Cashion, A.K.,** Hathaway, D.H., Milstead, E.J., Reed, L., & Gaber, A.O. (1999). Changes in patterns of 24-hr heart rate variability after kidney and kidney-pancreas transplant. Transplantation, 68(12), 1846-50. PMID: 10628762.
6. ****Cashion, A.K.,** Cowan, P.A., Hathaway, D.K., Milstead, E.J., & Gaber, A.O. (2000). Heart rate variability, mortality, and exercise in patients with end-stage renal disease. Progress in Transplantation, 10(1), 10-6. PMID: 10941321.
7. ****Hathaway, D.K., Wicks, M.N., Cashion, A.K.,** Cowan, P.A., Milstead, E.J., & Gaber, A.O. (2000). Posttransplant improvement in heart rate variability correlates with improved quality of life. Western Journal of Nursing Research, 22(6), 749-68. PMID: 11094577.
8. **#Cashion, A.K.** (2002). Genetics in transplantation. MedSurg Nursing Journal, 11(2):91-4. PMID:11962173.
9. ****Velasquez-Mieyer, P.A., Cowan, P.A., Umpierrez, G.E., Lustig, R.H., Cashion, A.K., & Burghen, G.A.** (2003). Racial Differences in Glucagon-like Peptide-1 (GLP-1) Concentrations and Insulin Dynamics During Oral Glucose Tolerance Test in Obese Subjects. International Journal of Obesity Related Metabolic Disorders, 27, 1359-64. PMID: 14574347.
10. ****Velasquez-Mieyer, P.A., Umpierrez, G.E., Lustig, R.H., Cashion, A.K., Cowan, P.A., Christensen, M., Spencer, K.A., & Burghen, G.A.** (2004). Race affects insulin and GLP-1 secretion and response to a long acting somatostatin analogue in obese adults. International Journal of Obesity Related Metabolic Disorders, 28(2), 330-3. PMID: 14708034.

11. **#Cashion, A.K.**, Driscoll, C.J., & Sabek, O. (2004). Emerging genetic technologies in clinical and research settings. Biological Research for Nursing, 5(3), 159-67. PMID: 14737916.
12. **#Cashion, A.K.** & Driscoll, C. (2004). Genetics and kidney dysfunction. Nephrology Nursing Journal, 3(1), 14-29. PMID: 15008070.
13. ****Cashion, A.K.**, Holmes, S., Gaber, A.O., & Hathaway, D.K. (2004). Gastroparesis following kidney/pancreas transplant. Clinical Transplantation, 18(3), 306-11. PMID: 15142053
14. ****Cashion, A.K.**, Holmes, S.L., Arheart, K.L., Acchiardo, S.R., & Hathaway, D.K. (2005). Heart rate variability and mortality in end-stage renal disease. Nephrology Nursing Journal, 32(2), 173-84. PMID: 15889802
15. ****Cashion, A.**, Sabek, O., Driscoll, C., Gaber, L., Kotb, M., & Gaber, O. (2006). Correlation of genetic markers of rejection with biopsy findings following human pancreas transplant. Clinical Transplantation, 20(1), 106-12. PMID:16556164.
16. ****Driscoll, C., Cashion, A.K.**, Hathaway, D.K., Thompson, C., Conley, Y., Gaber, O., Vera, S. & Shokouh-Amiri, H. (2006). Post transplantation diabetes mellitus in liver transplant recipients. Progress in Transplantation, 16(2), 110-6. PMID: 16789699.
17. ****Driscoll, C., Cashion, A.**, Hathaway, D., Thompson, C., Conley, Y., Riely, C., Xu, L., & Homayouni, R. (2006). Blood gene expression profiling in liver transplant recipients with hepatitis C and post-transplant diabetes mellitus. Transplantation Proceedings, 38(10), 3646-8. PMID: 17175356.
18. ****Cashion, A.K.**, Sabek, O.M., Driscoll, C., Gaber, L.W., & Gaber, A.O. (2006). Serial peripheral blood cytotoxic lymphocyte gene expression measurements for prediction of pancreas transplant rejection. Transplantation Proceedings, 38(10), 3676-7. PMID: 17175364.
19. **#Winsett, R.P. & Cashion, A.K.** The nursing research process. Nephrology Nursing Journal, 34 (6): 635-43. PMID: 18203572.
20. ****Cashion, A.K.**, Sanchez, Z.V., Cowan, P.A., Hathaway, D.K., Lo, A., & Gaber, A.O. (2007). Changes in weight during the first year after kidney transplantation. Progress in Transplantation, 17(1), 40-7. PMID:17484244.
21. ****Sanchez, Z.V., Cashion, A.K.**, Cowan, P.A., Jacob, S.R., Wicks, M.N., & Velasquez-Mieyer, P. (2007). Perceived barriers and facilitators to physical activity in kidney transplant recipients. Progress in Transplantation, 17(4), 324-331. PMID: 18240699
22. **#Williams, S.H. & Cashion, A.** (2008). Negative affectivity and cardiovascular disease in African American single mothers. The ABNF Journal, 19(2), 64-7. PMID:18494404.
23. **#Cashion, A.K.** (2009). The importance of genetics education for undergraduate and graduate nursing programs. Journal of Nursing Education, 48(10), 535-6. doi: 10.3928/01484834-20090918-01.
24. **#Calzone, K.A., Cashion, A.**, Feetham, S., Jenkins, J., Prows, C.A., Williams, J.K., & Wung, S.F. (2010) Nurses transforming health care using genetics and genomics. Nursing Outlook, 58(1), 26-35. PMID:2011375
25. ****Cashion, A.K.**, Sabek, O., Driscoll, C., Gaber, L., Tolley, E., & Gaber, A.O. (2010). Serial Analysis of Biomarkers of Acute Pancreas Allograft Rejection. Clinical Transplantation Nov;24(6):E214-22, PMID: 20497195.
26. ****Cashion, A.K.**, Gibson, D., Casey, J.R., Antoine, A., & Martin, A. (Spring 2011). Internet and support technology use by transplant patients. International Transplant Nursing Society Newsletter, 1, (2).

27. #**Cashion, A.K.**, Umberger R.A., Goodwin S.B., Sutter T.R. (2011). Collection and storage of human blood and adipose for genomic analysis for clinical samples. Research in Nursing & Health, 34(5), 408-18. PMID: 21812005.
28. **Stanfill, A., Bloodworth, R., **Cashion, A.** (2012). Lessons learned: experiences of gaining weight by kidney transplant recipients. Progress in Transplantation. Mar;22(1):71-8, PMID: 22489446.
29. **Cupples, C.K., **Cashion, A.K.**, Cowan, P.A., Tutor, R.S., Wicks, M.N., Williams, R., Eason, J.D. (2012). Characterizing dietary intake and physical activity affecting weight gain in kidney transplant recipients. Progress in Transplantation. Mar;22(1):62-70, PMID: 22489445.
30. #**Cashion, A.K.**, Zeimetz, M. IOM's Clarion Call for Health Care Transformation: The Role of Nursing Science, (2012) Biological Research in Nursing. Apr;14(2):113-4. PMID: 22529184.
31. # Taylor, J.Y., Kraja, A., Fuentes, L., Stanfill, A.G., Clark, A., **Cashion, A.K.**(2013) Genetics of Metabolic Syndrome: An Overview, Journal of Nursing Scholarship. 45 (1): 52-59. PMID: 23368731.
32. #Calzone K, Jenkins J, Bakos A, **Cashion A**, Donaldson N, Feero G, Feetham S, Grady P, Hinshaw AS, Knebel AS, Robinson N, Ropka M, Seibert D, Stevens KR, Tully, LA, Webb JA. (2013) A Blueprint for Genomic Nursing Science . Journal of Nursing Scholarship. 45(1):96-104, PMID:23368636.
33. ****Cashion, A.K.**, Stanfill, A., Thomas, F., Xu, L., Sutter, T., Eason, J., Ensell, M., Homayouni, R. (2013). Expression level of obesity-related genes are associated with weight change in kidney transplant recipients. PLOS ONE. 8(3):e59962. doi: 10.1371/journal.pone.0059962. Epub 2013 Mar 27.
34. **Bloodworth, R., Ward, K.D., Relyea, G., **Cashion, A.** (2014) Food availability as a determinant of weight gain among renal transplant recipients. Research in Nursing & Health. 37(3):253-9. doi: 10.1002/nur.21599.
35. ****Cashion AK**, Hathaway DK, Stanfill A, Thomas F, Ziebarth JD, Cui Y, Cowan PA, Eason J. (2014). Pre-transplant predictors of weight gain one year after kidney transplantation. Clinical Transplant. 28(11):1271-1278. doi: 10.1111/ctr.12456.
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19. **Cashion, A.K.**, Driscoll, C.J., Conley, Y., Xu, L., Mandrell, B., & Homayouni, R. Pilot study examining the utility of microarray data to identify genes associated with weight in transplant recipients. 18th Annual International Society of Nurses in Genetics Conference, Salt Lake City, Utah, October 22-25, 2005.
20. Driscoll, C.J., **Cashion, A.K.**, Conley, Y., Homayouni, R., & Lijing, X. Demystifying online genetic databases. 18th Annual International Society of Nurses in Genetics Conference, Salt Lake City, Utah, October 22-25, 2005.

21. Driscoll, C., **Cashion, A.**, Hathaway, D., Thompson, C., Riley, C., & Connelly, Y. When bad things happen to good researchers. Sigma Theta Tau Research Day of the Beta-Theta-At-Large Chapter, Memphis, Tennessee, February 25, 2005.
22. **Cashion, A.**, Cowan, P., Gaber, O., & Hathaway, D. Changes in weight during the first year following renal transplant. Sigma Theta Tau Research Day of the Beta-Theta-At-Large Chapter, Memphis, Tennessee, February 25, 2005.
23. Driscoll, C.J. & **Cashion, A.K.** Comparison of RNA quality and quantity for immuno-compromised patients and healthy controls. International Society of Nurses in Genetics, Toronto, Canada, October 2004.
24. Lo, A., Culbreath, B., Egidi, M.F., **Cashion, A.K.**, & Gaber, A.O. Metabolic complications and hypertension after kidney transplantation. American Transplant Congress 2004, Boston, Massachusetts, May 15-19, 2004.
25. Cowan, P., **Cashion, A.**, Gower, G., Gaber, A.O., & Hathaway, D. Functional capacity and quality of life in kidney transplant recipients. American Nephrology Nurses Association 35th National Symposium, Washington, DC, April 15-18, 2004.
26. Sabek, O., Fraga, D., Lo, A., Kotb, M., **Cashion, A.**, & Gaber, A.O. Activation of HLA-DR and Granzyme B expression after human clinical islet transplantation. 9th World Congress of International Pancreas and Islet Cell Transplant Association, Dublin, Ireland, July 9-13, 2003.
27. Cowan, P.A., **Cashion, A.K.**, Gower, G., Gaber, A.O., & Hathaway, D.K. Functional capacity correlated with heart rate variability in recent and long-term kidney transplant recipients. International Transplant Nurses Society 2003 Symposium, Scottsdale, Arizona, October 2-4, 2003.
28. **Cashion, A.K.** & Sabek, O. Clinical application of real-time PCR to quantify gene expression levels. 15th International Conference of International Society of Nurses in Genetics, Baltimore, Maryland, October 13-15, 2002.
29. Thompson, C., **Cashion, A.**, & Russell, C. Genetics module for ACNP students. 10th Annual Acute Care Nurse Practitioner Conference, Charlottesville, Virginia, April 13, 2002.
30. **Cashion, A.K.**, Cowan, P.A., Velasquez-Mieyer, P.A., & Hathaway, D.K. Establishment and evolution of a self-supporting College of Nursing Research Center. Sigma Theta Tau International 36th Biennial Convention, Indianapolis, Indiana, November 10-14, 2001.
31. Cowan, P.A., Kreider, R.B., **Cashion, A.K.**, Hathaway, D.K., & Gaber, A.O. Exercise results in sustained improvement in cardiac autonomic function in kidney and kidney-pancreas transplant recipients. 48th Annual Meeting of the ACSM, Baltimore, Maryland, May 31, 2001.
32. **Cashion, A.**, Stegbauer, C., Williams, N., Winsett, R., & Hathaway, D. Initiating a peer mentor smoking cessation program for ESRD and transplant patients. 32nd National Symposium of the American Nephrology Nurses' Association, Las Vegas, Nevada, April 23-26, 2001.
33. **Cashion, A.K.**, Hathaway, D.K., Cowan, P.A., Milstead, E.J., Wicks, M.N., & Gaber, A.O. Combined metabolic effect of renal disease and diabetes on 24-hr heart rate variability. Southern Nursing Research Society, Little Rock, Arkansas, February 3-6, 2000
34. Cowan, P.A., Hathaway, D.K., Wicks, M.N., Kreider, R., **Cashion, A.K.**, & Gaber, A.O. Exercise capacity, cardiac autonomic function (CAF), and quality of life (QOL) in kidney transplant recipients. 8th Annual International Transplant Nurses Society Symposium and General Assembly, Toronto, Ontario, Canada, September 9-11, 1999.
35. Hathaway, D.K., **Cashion, A.K.**, Wicks, M.N., Milstead, E.J., Reed, L., Cowan, P.A., & Gaber, A.O. Autonomic modulation of 24-hr heart rate variability (HRV) improves after kidney-pancreas (KP) transplant. 7th World

- Congress of the International Pancreas and Islet Transplant Association, Sydney, Australia, August 22-25, 1999.
36. **Cashion, A.K.**, Hathaway, D.K., Wicks, M.N., Milstead, E.J., Reed, L., & Gaber, A.O. Kidney-pancreas (KP) recipients experience greater improvement in symptoms of autonomic neuropathy than kidney-alone (KA) recipients. 7th World Congress of the International Pancreas and Islet Transplant Association, Sydney, Australia, August 22-25, 1999.
 37. **Cashion, A.K.**, Hathaway, D.K., Milstead, E.J., Reed, L., & Gaber, A.O. 24-hr patterns of cardiac autonomic function improve post kidney and kidney-pancreas transplant. American Society of Transplantation. 18th Annual Scientific Meeting, May 15-19, 1999.
 38. **Cashion, A.K.**, Hathaway, D.K., Milstead, E.J., Reed, L., & Gaber, A.O. Kidney-pancreas and kidney transplantation diminishes symptoms of dysautonomia. American Society of Transplantation 18th Annual Scientific Meeting, May 15-19, 1999.
 39. Hathaway, D.K., Wicks, M.N., Milstead, E.J., Cowan, P.A., **Cashion, A.K.**, & Gaber, A.O. Patterns of improvement in 24-hr heart rate variability differ for kidney and kidney-pancreas recipients. 7th Annual International Transplant Nurses Society Symposium and General Assembly, Portland, Oregon, September 10-12, 1998.
 40. **Cashion, A.K.**, Hathaway, D.K., & Milstead, E.J. Pre and post transplant symptoms in end-stage renal disease. 7th Annual International Transplant Nurses Society Symposium and General Assembly, Portland, Oregon, September 10-12, 1998.
 41. Cowan, P.A., Hathaway, D.K., Milstead, E.J., Wicks, M.N., **Cashion, A.K.**, & Gaber, A.O. Cardiac autonomic function, exercise status and quality of life of adults awaiting kidney transplantation. 7th Annual International Transplant Nurses Society Symposium and General Assembly, Portland, Oregon, September 10-12, 1998.
 42. Milstead, E.J., Hathaway, D.K., Wicks, M.N., **Cashion, A.K.**, Cowan, P.A., & Gaber, A.O. Effects of mycophenolate mofetil (MMF) and beta blockers (BB) on heart rate variability in kidney recipients. XVII World Congress of the Transplantation Society, Montreal, Canada, July 12-17, 1998.
 43. Wicks, M.N., **Cashion, A.K.**, Cowan, P.A., Hathaway, D.K., Milstead, E.J., & Gaber, A.O. Heart rate variability and quality of life following kidney and pancreas-kidney transplantation. XVII World Congress of the Transplantation Society, Montreal, Canada, July 12-17, 1998.
 44. **Cashion, A.K.**, Hathaway, D.K., Wicks, M.N., Milstead, E.J., Winsett, R.P., Cowan, P.A., & Gaber, A.O. Evoked measures vs. 24-hr measures of heart rate variability (HRV) and sudden cardiac death in kidney and pancreas-kidney pretransplant patients. Nonlinear Dynamics in Nursing Conference, Chicago, Illinois, May 30-31, 1998.
 45. Hathaway, D.K., Wicks, M.N., **Cashion, A.K.**, Milstead, E.J., Cowan, P.A., & Gaber, A.O. Posttransplant improvement in heart rate variability correlates with improved quality of life. 17th Annual Scientific Meeting of the American Society of Transplant Physicians, Chicago, Illinois, May 9-14, 1998.
 46. Hathaway, D.K., Milstead, E.J., Winsett, R.P., Cowan, P.A., **Cashion, A.K.**, Wicks, M.N., & Gaber, A.O. Cardiac autonomic function and mortality in patients awaiting kidney transplant. American Society of Nephrologists, San Antonio, Texas, November 1997.
 47. **Cashion, A.K.**, Hathaway, D.K., Milstead, E.J., Winsett, R.P., Cowan, P.A., Wicks, M.N., & Gaber, A.O. Cardiac autonomic function and mortality in patients awaiting kidney transplant. The VIII International Symposium on the Autonomic Nervous System of the American Autonomic Society, Honolulu, Hawaii, November 1997.

48. Hathaway, D.K., Winsett, R.P., Milstead, E.J., Cowan, P.A., Wicks, M.N., & **Cashion, A.K.** Autonomic dysfunction in patients awaiting kidney transplantation. International Transplant Nurses Society Symposium and General Assembly, Leuven, Belgium, September 4, 1997.
49. Hathaway, D.K., Milstead, E.J., Winsett, R.P., Cowan, P.A., **Cashion, A.K.**, Wicks, M.N., & Gaber, A.O. Autonomic dysregulation in patients awaiting kidney transplantation. 15th Annual Scientific Meeting of the American Society of Transplant Physicians, May 10, 1997.
50. **Cashion, A.K.**, Hathaway, D.K., Wicks, M.N., Milstead, E.J., & Gaber, A.O. Cardiovascular dysautonomia of patients with end-stage renal disease and diabetes. 11th Annual Conference of the Southern Nursing Research Society, Norfolk, Virginia, April 10, 1997.
51. Hathaway, D.K., **Cashion, A.K.**, Wicks, M.N., Milstead, E.J., O'Keefe, N., & Gaber, A.O. Heart rate variability in end-stage renal disease patients with diabetes. 29th Annual Meeting of the American Society of Nephrology, New Orleans, Louisiana, November 3-6, 1996.
52. Hathaway, D.K., Wicks, M.N., Milstead, E.J., **Cashion, A.K.**, Winsett, R.P., & Gaber, A.O. Characteristic of autonomic cardiac function in patients with uremia. VII International Symposium of the Autonomic Nervous System of the American Autonomic Society, Montreal, Canada, October 11-13, 1996.
53. Wicks, M.N., Hathaway, D.K., Milstead, E.J., **Cashion, A.K.**, Winsett, R.P., & Gaber, A.O. Autonomic cardiac function and left ventricular function after pancreas-kidney transplant. VII International Symposium of the Autonomic Nervous System, Montreal, Canada, October 11-13, 1996.
54. Wicks, M.N., Hathaway, D.K., Milstead, E.J., **Cashion, A.K.**, Winsett, R.P., & Gaber, A.O. Heart rate variability in patients with end-stage renal disease and diabetes. Sigma Theta Tau, Beta Theta Chapter-at-Large, Memphis, Tennessee, April 1996.
55. Cason, C. & **Cashion, A.** Preparation of family members for visiting patients in ICU. The National Symposium of Nursing Research, California, November 1985.
56. Cason, C. & **Cashion, A.** Preparation of family members for visiting patients in the Intensive Care Unit. Sigma Theta Tau Research Day, Gamma Xi Chapter, North Little Rock, Arkansas, September 1984.
57. Cason, C. & **Cashion, A.** Preparation of family members for visiting patients in the ICU. Sigma Theta Tau Korean Conference, Korea, July 1984.

PRESENTATIONS - Refereed (Poster):

1. Hyungsuk Kim, Youngeun Cho, Hyangkyu Lee, Sijung Yun, **Ann Cashion**, Jessica Gill. (October 2018) Analysis of single cell transcriptome from PBMCs using ddSeq with different sequencing conditions. ASHG,
2. Accelerating Omics Nursing Science: Website Fostering Collaborations and Resource Sharing (CANS), Fall 2017.
3. Presentation at Annual ISONG Conference. Omics Nursing Science Website. Fall 2017.
4. Rao, Vinaya; Behara, Ravi; Hathaway, Donna; **Cashion, Ann**; "Effectiveness of trunk fat as a predictor of renal graft function using artificial neural networks". Poster Presentation, American Society of Nephrology, November 13-16
5. Young-Eun Cho, J Gill, **A. Cashion**. Older Age Results in Differential Gene Expression after Mild Traumatic Brain Injury and is Linked to Insufficient Neuronal Recovery Detected through MRI. 2016 National Capital Area TBI Research Symposium, April 4/5, 2016. Bethesda, MD.

6. Stanfill, A., Bloodworth, R., Conley, Y., & **Cashion, A.** 2015. Variables associated with depression and weight change in kidney transplant recipients. In review for National Institute of Nursing Research 30th anniversary, Bethesda, MD.
7. Pantik, C., Tolley, B., Cowan, P., Hathaway, D., & **Cashion, A.** (2014, February). Body Mass Distribution as a Predictor of Cardiovascular Risk in Renal Transplant. Poster session presented at the Southern Nursing Research Society, San Antonio, TX.
8. Stanfill, A., Hathaway, D., **Cashion, A.**, and Conley, Y. (2014). An Evaluation of the Relationship of Dopaminergic Genotype to Weight Gain Following Kidney Transplant. Abstract for poster presentation, Southern Nursing Research Society conference, San Antonio, TX.
9. JM Gutierrez-Valerde, EC Gallegos, **AK Cashion**, RA Veloz-Garza, C Orazco-Gomez, MC Guevara-Valtier. Characterizing dietary intake in Mexican families with diabetes type 2. 5th International Congress on Prediabetes and the Metabolic Syndrome, Vienna, Austria, April 18-20, 2013.
10. Umberger R, Thompson C, **Cashion A**, Kuhl D, Wan J, Yates C, Muthiah M, Meduri G. Predictors of healthcare associated infections in patients presenting to the ICU with sepsis. Society of Critical Care Medicine. 42nd Critical Care Congress, January 19-23, 2013.
11. Stanfill, A., Hathaway, D., and **Cashion, A.K.** Relationship between depression and weight gain six months post-kidney transplant. 2012 Obesity Society Annual Scientific Meeting. San Antonio, Texas, September 20-24, 2012.
12. Cowan, P., Bloodworth, R., E Mulroy, and **Cashion, A.K.** Predictors of fat mass gain in post-renal transplant recipients. 2012 Obesity Society Annual Scientific Meeting. San Antonio, Texas, September 20-24, 2012.
13. Stanfill, A., Xu, L., Hathaway, D., Homayouni, R., and **Cashion, A.** Real time polymerase chain reaction confirmation of gene expression profiles associated with weight gain in kidney transplant recipients. Southern Nursing Research Society Conference. New Orleans, LA, February 22-25, 2012.
14. Gutierrez-Valverde, J.M., Gallegos-Cabriales, E.C., **Cashion, A.K.**, Gomez-Meza, M.V. Family history of obesity in Monterrey. The 4th International Congress on Prediabetes and the Metabolic Syndrome. Madrid, Spain, April 6-9, 2011.
15. **Cashion, A.K.**, Gibson, D., & Sutter, T. Feasibility and clinical utility of a method to collect and store human tissue samples for later genetic analysis. ISONG 23rd Annual Conference. Dallas, TX, October 16-20, 2010.
16. **Cashion, A.K.**, Thomas, F., Ensell, M., Xu, L., & Homayouni, R. Differential transcript expression associated with weight gain during the first 6 months following kidney transplantation. Obesity 2010. San Diego, CA, October 10, 2010.
17. Gutierrez-Valverde, J.M., Gallegos-Cabriales, E.C., **Cashion, A.K.**, Veloz-Garza, R.A., Salazar-Gonzalez, B.C., Orozco-Gomez, C., & Sanchez-Meza, N.H. Family history of diabetes mellitus type 2 in the metropolitan area of the north east in Mexico. ISONG 23rd Annual Conference, Dallas, TX, October 16-20, 2010.
18. **Cashion, A.K.**, Bloodworth, R., & Gibson, D. Use of family history tool to document the prevalence of overweight/obesity in families of kidney transplantation recipients. ISONG 23rd Annual Conference, Dallas, TX, October 16-20, 2010.
19. **Cashion, A.K.**, Cupples, C.K., Thomas, F., Ensell, M., Eason, J., & Homayouni, R. Diet & gene expression in obese renal transplant recipients. Council for the Advancement of Nursing Science & National Institute of Nursing Research 25th Scientific Symposium, Washington DC, Sept., 2010.

20. Chismark, E., **Cashion, A.**, & Osarogiagbon, R. C-reactive protein polymorphism and serum levels as an independent risk factor for renal dysfunction in sickle cell disease. 23rd Annual International Society of Nursing Genetics Conference, Dallas, TX, September 2010.
21. **Cashion, A.K.**, Cupples, C.K., Cowan, P.A., Gibson, D., Bloodworth, R., Thomas, F., & Eason, J. Dietary intake and weight gain during the first 6-months following kidney transplantation. American Transplant Congress, San Diego, May 2010.
22. Cupples, C., **Cashion, A.K.**, Cowan, P., Hutson, M., Gibson, D., Bloodworth, R., Thomas, F. & Eason, J. Characterizing dietary intake associated with weight gain in persons post kidney transplant. 23rd Annual Southern Nursing Research Society Conference, Baltimore, MD, February 2010.
23. Cowan, P., Wicks, M., Bishop, M., Evans, A., Haney, B., Link, S., Adcock, C., & **Cashion, A.** Leadership development in second degree students enrolled in an accelerated BSN nursing program. Robert Wood Johnson Foundation Conference, Washington, D.C., October, 2009.
24. **Cashion, A.**, Sabek, O., Driscoll, C., Gaber, L., & Gaber, O. Serial analysis of biomarkers of acute pancreas allograft rejection. American Transplant Congress, San Diego, California, May, 2009.
25. Chismark, E., Osarogiagbon, R., & **Cashion, A.** Prevalence of traditional biomarkers of met-S in adult sickle cell disease. 22nd Annual Southern Nursing Research Society Conference, Birmingham, Alabama, February 21-23, 2008.
26. McLaughlin, R., Bellflower, B., & **Cashion, A.** Screening newborns for infection using C-reactive protein. 22nd Annual Southern Nursing Research Society Conference, Birmingham, Alabama, February 21-23, 2008.
27. Williams, S. & **Cashion, A.** Genetic and environmental influences of hypertension in African American women. 22nd Annual Southern Nursing Research Society Conference, Birmingham, Alabama, February 21-23, 2008.
28. Mandrell, B., **Cashion, A.**, Driscoll, C., Hudson, M., & Neale, G. Exploring the role of poly-morphisms in the development of secondary breast cancer after pediatric Hodgkin disease. 9th National Conference on Cancer Nursing Research, Hollywood, CA, February 8-10, 2007.
29. Cowan, P.A., Hathaway, D.K., **Cashion, A.K.**, & Gaber, A.O. Exercise improves functional capacity and cardiac autonomic function in recent and long-term kidney and kidney-pancreas transplant recipients. American Society of Transplantation, Seattle, Oregon, May 21-25, 2005.
30. Sanchez, Z., **Cashion, A.**, Cowan, P., & Hathaway, D. Factors associated with obesity in kidney and kidney pancreas transplant recipients. Sigma Theta Tau Research Day of the Beta-Theta-At-Large Chapter, Memphis, Tennessee, February 25, 2005.
31. Cowan, P., Hathaway, D., **Cashion, A.**, Gower, G., & Gaber, A.O. Functional capacity correlates with quality of life in recent and long-term transplant recipients. Sigma Theta Tau Research Day of the Beta-Theta-At-Large Chapter, Memphis, Tennessee, February 25, 2005.
32. Driscoll, C.J., Sabek, O., & **Cashion, A.K.** Comparison of RNA quality and quantity for immunocompromised patients and healthy controls. ISONG Conference, Toronto, Canada, 2004.
33. Cowan, P.A., **Cashion, A.K.**, Kreider, R., Gaber, A.O., & Hathaway, D.K. Heart rate variability and exercise capacity in diabetic and non-diabetic kidney transplant recipients. American College of Sports Medicine 50th Annual Meeting, June 2-5th, 2004.
34. **Cashion, A.K.**, Cowan, P.A., Hathaway, D.K., Lo, A., & Gaber, A.O. Changes in weight during the first year post renal transplant. American Transplant Congress 2004, Boston, Massachusetts, May 15-19, 2004.

35. Cowan, P.A., **Cashion, A.K.**, Hathaway, D.K., Gower, G., & Gaber, A.O. Functional capacity correlates with quality of life in recent and long-term transplant recipients. American Transplant Congress 2004, Boston, Massachusetts, May 15-19, 2004.
36. **Cashion, A.K.**, Driscoll, C.J., & Cowan, P.A. Autonomic function in patients with end-stage renal disease: etiology and genetics. 18th Annual Southern Nursing Research Society Meeting. Louisville, Kentucky, February 19-21, 2004.
37. Cashion, A.K., **Driscoll, C.J.**, & Cowan, P.A. Autonomic function in patients with end-stage renal disease: etiology and genetics. ISONG 16th Annual Conference, Los Angeles, California, 2003.
38. Sabek, O., Fraga, D., Lo, A., Kotb, M., **Cashion, A.**, & Gaber, A.O. Activation of HLA-DR and granzyme B expression after human clinical islet transplantation. International Pancreas Islet Transplant Association, July 2003.
39. Driscoll, C.J. & **Cashion, A.K.** Post transplant diabetes mellitus in liver transplant recipients: risk factors and mortality. NIH/NINR Science Symposium Linking the Double Helix with Health: Genetics in Nursing Research. Georgetown University, Washington DC, April 13, 2003.
40. **Cashion, A.K.**, Sabek, O., Driscoll, C.J., Kotb, M., & Gaber, A.O. Cytotoxic lymphocyte expression levels in healthy controls with diabetes mellitus. NIH/NINR Science Symposium Linking the Double Helix with Health: Genetics in Nursing Research. Georgetown University, Washington DC, April 13, 2003.
41. Driscoll, C.J. & **Cashion, A.K.** Incidence of and risk factors associated with the development of post transplant diabetes mellitus in liver transplant recipients. 17th Annual Southern Nursing Research Society Meeting, Orlando, Florida, February 15, 2003.
42. Holmes, S.L. & **Cashion, A.K.** Upper gastrointestinal symptoms and pattern of gastric myoelectrical activity in patients with diabetes mellitus. 17th Annual Southern Nursing Research Society Meeting, Orlando, Florida, February 15, 2003.
43. Velasquez-Mieyer, P., Lustig, R.H., Umpierrez, G.E., **Cashion, A.K.**, Cowan, P.A., Spencer, K.A., & Burghen, G.U. Effect of race on enterosinsular axis activity and suppression in a cohort of adults with severe obesity. International Congress on Obesity, Sao Paulo, Brazil, August 25-28, 2002.
44. Velasquez-Mieyer, P., Umpierrez, G.E., Lustig, R.H., **Cashion, A.K.**, Cowan, P.A., & Burghen, G.A. Racial differences in glucagons-like peptide-1 (GLP-1) and insulin secretion during oral glucose tolerance test in obese non-diabetic subjects. American Diabetes Association 62nd Scientific Sessions, San Francisco, California, June 14-18, 2002.
45. Cowan, P.A., **Cashion, A.K.**, Krieder, R.B., Gaber, A.O., & Hathaway, D.K. Cardiovascular risk factors and exercise capacity in recent and long-term kidney and kidney-pancreas transplant recipients. American Society of Transplantation, Washington DC, April 27-May 1, 2002.
46. **Cashion, A.K.**, Gaber, A.O., Holmes, S., & Hathaway, D.K. Gastroparesis following kidney/pancreas transplant. American Society of Transplantation, Washington DC, April 27-May 1, 2002.
47. Holmes, S.L., **Cashion, A.K.**, & Arheart, K. Changes in gastric function following kidney-pancreas transplant, Beta Theta Chapter-At-Large, Sigma Theta Tau International Nursing Honor Society Research Day, Memphis, Tennessee, March 22, 2002.
48. Holmes, S.L., **Cashion, A.K.**, & Arheart, K. Changes in gastric function following kidney-pancreas transplant. 16th Annual Southern Nursing Research Society Meeting, San Antonio, Texas, February 7, 2002.
49. **Cashion, A.**, Thompson, C., & Russell, C. Creating a genetics module for delivery in online advanced practice nursing (APN) courses. International Society of Nurses in Genetics, San Diego, California, October 10, 2001.

50. **Cashion, A.K.** & Russell, C. Blackboard supported asynchronously-delivered genetics module. Best Practice Showcase, Knoxville, Tennessee, September 18, 2001.
51. **Cashion, A.K.**, Winsett, R.P., Joplin, P.F., Stratta, R.J., Gaber, A.O., & Hathaway, D.K. Percent improvement in heart rate variability in diabetic and nondiabetic kidney and kidney pancreas recipients. American Society of Transplantation, Chicago, Illinois, May 11-16, 2001.
52. Harvey, M., **Cashion, A.K.**, Buchanan, J., & Hathaway, D.K. T-wave alternans. Southern Nursing Research Society, Baltimore, Maryland, January 2001.
53. **Cashion, A.K.**, Velasquez-Mieyer, P., Arheart, K., Hathaway, D.K., Joplin, P., Buffington, C., & Lustig, R.H. Correlations between autonomic function, B-cell activity, insulin sensitivity, and glucose tolerance in obese subjects. International Congress of Endocrinology, October 2000.
54. **Cashion, A.K.**, Acchiardo, S.R., Egidi, M.F., & Hathaway, D.K. Factors associated with 24-hour heart rate variability in African-American patients on chronic hemodialysis. American Autonomic Society, Puerto Rico, October 2000.
55. Cowan, P.A., **Cashion, A.K.**, Hathaway, D.K., Kreider, R., Wicks, M.N., & Gaber, A.O. Exercise improves heart rate variability and functional capacity in kidney and kidney-pancreas transplant recipients. American Autonomic Society, Puerto Rico, October 2000.
56. **Cashion, A.K.**, Hathaway, D.K., Winsett, R.P., Joplin, P.F., Milstead, J., & Gaber, A.O. Shifting quality of life perceptions of transplant patients from 1990-1999. American Society of Transplantation, Chicago, Illinois, May 13-17, 2000.
57. **Cashion, A.K.**, Cowan, P.A., Hathaway, D.K., Milstead, E.J., & Gaber, A.O. Heart rate variability, mortality, and exercise in patients with end-stage renal disease. Tennessee Nurses Association, Memphis, Tennessee, November 19-21, 1999.
58. Cowan, P., Hathaway, D.K., Kreider, R., Soberman, J., Jordan, P., Wicks, M.N., Engelhardt, K., **Cashion, A.K.**, Milstead, J., & Gaber, A.O. Exercise and cardiac autonomic function of adults awaiting kidney and kidney-pancreas transplantation. Tennessee Nurses Association, Memphis, Tennessee, November 19-21, 1999.
59. Cowan, P., Hathaway, D.K., Kreider, R., Soberman, J., Jordan, P., Wicks, M.N., Engelhardt, K., **Cashion, A.K.**, Milstead, J., & Gaber, A.O. Exercise capacity, cardiac autonomic function, and quality of life in kidney transplant recipients. Tennessee Nurses Association, Memphis, Tennessee, November 19-21, 1999.
60. Cowan, P., Hathaway, D.K., Kreider, R., Soberman, J., Jordan, P., Wicks, M.N., Engelhardt, K., **Cashion, A.K.**, Milstead, J., & Gaber, A.O. Exercise and cardiac autonomic function of adults awaiting kidney and kidney-pancreas transplantation. Tennessee Nurses Association, Memphis, Tennessee, November 19-21, 1999.
61. Martin, S.T., **Cashion, A.K.**, Milstead, E.J., & Hathaway, D.K. Anxiety and heart rate variability in pre kidney transplant patients with renal failure. 10th International Symposium on the Autonomic Nervous System, Kohala Coast, Island of Hawai'i, USA, October 30-November 2, 1999.
62. Hathaway, D.K., **Cashion, A.K.**, Cowan, P.A., Reed, L., & Gaber, A.O. Changes in 24-hr heart rate variability post kidney and kidney-pancreas transplant. Symposium on the Autonomic Nervous System, Kohala Coast, Island of Hawai'i, USA, October 30-November 2, 1999.
63. **Cashion, A.K.**, Hathaway, D.K., Reed, L., O'Keefe, N.A., Montgomery, A.M., Culbreath, B.A., & Gaber, A.O. Autonomic symptoms diminish following kidney-pancreas and kidney transplantation. Symposium on the Autonomic Nervous System, Kohala Coast, Island of Hawai'i, USA, October 30-November 2, 1999.

64. Cowan, P., Hathaway, D.K., Kreider, R., Soberman, J., Jordan, P., Wicks, M.N., Engelhardt, K., **Cashion, A.K.**, Milstead, J., & Gaber, A.O. Exercise capacity and cardiac autonomic function in recent kidney and kidney-pancreas transplant recipients. American College of Sports Medicine, June 1999.
65. **Cashion, A.K.**, Cowan, P.A., Hathaway, D.K., Milstead, E.J., & Gaber, A.O. Heart rate variability, mortality, and exercise in patients with end-stage renal disease. Key Aspects Conference sponsored by Center for Research on Chronic Illness, Chapel Hill, North Carolina, Spring 1999.
66. **Cashion, A.K.**, Hathaway, D.K., Milstead, E.J., Wicks, M.N., Cowan, P.A., Engelhardt, K.F., & Winsett, R.P. Correlation and sensitivity among three instruments designed to measure autonomic function. American Autonomic Society, Fort Myers, Florida, October 30-November 1, 1998.
67. **Cashion AK**, Hathaway DK, Milstead EJ, Wicks MN, Cowan PA, Engelhardt KF, Winsett RP. Establishment of referent values for evoked cardiac autonomic function, 24-hr heart rate variability, and autonomic symptomatology. American Autonomic Society, Fort Myers, Florida, October 30-November 1, 1998.
68. **Cashion, A.K.**, Hathaway, D.K., Milstead, E.J., Wicks, M.N., Engelhardt, K.F., & Winsett, R.P. Development and testing of an instrument to assess symptoms of dysautonomia. Annual Mid-South Research Conference sponsored by Sigma Theta Tau, Beta Theta Chapter-at-Large, Memphis, Tennessee, April 3, 1998.
69. **Cashion, A.K.**, Hathaway, D.K., Milstead, E.J., Wicks, M.N., Engelhardt, K.F., & Winsett, R.P. Development of an autonomic symptom checklist instrument. Nursing Conference for Scholarship of Discovery, sponsored by Sigma Theta Tau International, Indianapolis, Indiana, December 3, 1997.
70. Hathaway, D.K., Engelhardt, K.F., Faulkner, M., Milstead, E.J., Wicks, M.N., **Cashion, A.K.**, Cowan, P.A., Pace, D., & Winsett, R.P. The use of computerized autonomic function assessment and analysis for clinical and research applications. Fellowship of the American Academy of Nursing Meeting, November, 1997.
71. **Cashion, A.K.**, Hathaway, D.K., Milstead, E.J., Wicks, M.N., Engelhardt, K.F., & Winsett, R.P. Psychometric testing of the autonomic symptom checklist. Annual Scientific Research Poster Presentation sponsored by the University of Tennessee, Memphis, Tennessee, November 1997.
72. Cowan, P.A., Hathaway, D.K., Milstead, E.J., Wicks, M.N., & **Cashion, A.K.** Exercise and cardiac autonomic function of adults awaiting kidney transplantation. The VIII International Symposium on the Autonomic Nervous System of the American Autonomic Society, Honolulu, Hawaii, November 1997.
73. Milstead, E.J., Wicks, M.N., Stewart, S.A., **Cashion, A.K.**, Cowan, P.A., Hathaway, D.K., & Gaber, A.O. Comparison of cardiac autonomic function tests, 24-hour heart rate variability, and QTc interval in renal failure subjects experiencing sudden cardiac death. The VIII International Symposium on the Autonomic Nervous System of the American Autonomic Society, Honolulu, Hawaii, November 1997.
74. **Cashion, A.K.**, Hathaway, D.K., Milstead, E.J., Wicks, M.N., Engelhardt, K.F., & Winsett, R.P. Development and testing of the autonomic symptom checklist. The VIII International Symposium on the Autonomic Nervous System of the American Autonomic Society, Honolulu, Hawaii, November 1997.
75. **Cashion, A.K.** The effectiveness of oral and rectal temperature measurements in orally intubated patients. Sigma Theta Tau Research Day, Gamma Xi Chapter, Little Rock, Arkansas, September 1982.

PRESENTATIONS - Invited (Oral):

1. **Cashion AK.** Research Collaborating Network Panel at Southern Nursing Research Society (SNRS) 2023 Annual Conference March 3, 2023, Orlando, Florida.

2. **Cashion AK, Wicks MN, Carter M.** The Value and productivity of networking. UTHSC Doctoral Seminar. Memphis, December 2022.
3. **Cashion AK.** Leadership Journey. UAMS PhD Leadership Class. Fall 2021.
4. **Cashion AK.** Presentation on Nurses Science Provides Exciting Opportunities. VCU Undergrad Fellowship Program. March 2021.
5. **Cashion AK.** Keynote Presentation: St. Jude Research Hospital. May 2019. Memphis.
6. **Cashion AK.** Keynote Presentation: *A Path to Clinically Relevant Precision Health Interventions: Emerging Omics Research Methods*. University of TN NightinGala, May 2019. Memphis.
7. **Cashion, AK.** 2019 Student Policy Summit sponsored by AACN. Spring 2019.
8. **Cashion AK.** Testimony in support of Nursing Science. Future of Nursing 2030. National Academies of Science. April 2019. Washington, DC.
9. **Cashion, AK.** Anna Gawlinski Scholar Lectureship. Nursing Science: Harnessing Innovation for Precision Health in Clinical Settings. 17th Annual Research and Evidence-Based Practice Conference, September 28, 2018. UCLA Health.
10. **Cashion AK.** Keynote Presentation: *A Path to Clinically Relevant Precision Health Interventions: Emerging Omics Research Methods*. Academy of Nursing's Council on the Advancement of Nursing Science's 2018 State of the Science meeting, September 13-15, 2018 in Washington DC.
11. **Cashion AK.** Nursing Science: Harnessing Data Science for Precision Health in Urban Research. Urban Health Conference at Wayne State University, Detroit MI, April 12, 2018.
12. **Cashion AK.** Nursing Science: Exciting Opportunities in Precision Health and Genomic. Keynote Address at Clemson University Research Conference, April 7, 2017.
13. **Cashion AK.** Nursing Science: Applications to Precision Health and Genomics. Keynote Address at Duke University Research Conference, Durham, NC. Nov 3, 2016.
14. **Cashion AK.** Commencement Address at UTHSC College of Nursing. Making a Difference in Health Care: Nurses as Scholars and Leaders. Memphis, TN. May 2016.
15. **Cashion AK.** Nurse Scientists: Moving the Science Forward over the Last 20 Years. UAMS Distinguished Lecturer. Little Rock, Arkansas. March 17, 2016.
16. **Cashion AK.** Nurse Scientists: Moving the Science Forward. Opening Keynote Address at SNRS Regional Conference—A Solid Legacy, a Bright Tomorrow: Bridging the Past and Future of Nursing Research. Williamsburg, North Carolina. February 25, 2016
17. **Cashion AK.** Genomics of Obesity and Emerging Genomic Issues, 22nd International Conference on Obesity-Related Nursing Research, Nursing College and Research Institute of Nursing Science, Keimyung University, November 18-19, 2015.
18. **Cashion AK.** Environmental Factors Related to Obesity in Transplant Recipients. 22nd International Conference on Obesity-Related Nursing Research, Nursing College and Research Institute of Nursing Science, Keimyung University, November 18-19, 2015.
19. **Cashion AK.** Nurse Scientists and Genomics: Moving the Research Forward. ISONG World Congress Closing Keynote Address. November 2015, Pittsburgh PA.
20. **Cashion AK.** Gene Environment Models for Research WebEx 1 hr lecture. Universidad Autónoma de Nuevo León, Facultad de Enfermería. Monterrey, Mexico.
21. **Cashion, A.K.** 2012 International Transplant Nurses Society Symposium, Seattle Washington, October, 2012.

22. **Cashion, A.K.**, Gene Environment Interaction: My year at NINR. Johns Hopkins University, March 2012.
23. **Cashion, A.K.**, NINR Diversity Update: A Work in Progress. NINR Council Presentation. January 2012.
24. **Cashion, A.K.** Decoding My Life: Building a Career in Genetic Research, Annual Research Day, University of Pittsburgh, Pittsburgh, PA. June 2011.
25. **Cashion, A.K.** Ethical Implications of Genetic Research. Third Congress of the Italian Society for Safety and Quality in Transplantation, Florence, Italy. May 19, 2011.
26. **Cashion, A.K.** Decoding the Human Genome: Applications to Obesity Research. Sigma Theta Tau Tri-Chapter Research Day. Harding University, Searcy, AR. March 2011.
27. **Cashion, A.K.** Genetics Workshop (4 hrs). Florida State University. August 2010.
28. **Cashion, A.K.** Diet, Activity, and Genes Leading to Obesity in Kidney Transplant Recipients. Universidad Autónoma de Nuevo León, Facultad de Enfermería. Monterrey, Mexico July 2010.
29. **Cashion, A.K.** Gene-Environment Interactions leading to obesity in kidney transplant recipients. Endocrinology Grand Rounds. UTHSC, Memphis. January 2010.
30. **Cashion, A.K.** Testing for genetic diseases: Ethical, legal, and social implications. LeMoyne Owen University, Memphis, TN. November 2009.
31. **Cashion, A.K.** Decoding the human genome: Applications for Genetic Obesity Research. Mini-Interdisciplinary Leadership Training Session. Boling Center, October 2009.
32. **Cashion, A.K.** Decoding the Human Genome: Applications for Genetic Obesity Research. Universidad Autónoma de Nuevo León, Facultad de Enfermería. Monterrey, Mexico July 2009.
33. **Cashion, A.K.** Nursing Leadership in the Genomic Health Care Era: Applications to Research, Education and Policy. Alpha Chi Sigma Theta Tau Annual Research Program, Boston, May 14, 2008.
34. **Cashion, A.K.** Application of Genomics to Complex Disorders. St. Jude Children's Research Hospital Nursing Genomics Conference, Memphis, TN. April 2007.
35. **Cashion, A.K.** Genetics in Healthcare: Transitioning into practice, Cedars-Sinai Nursing Research Symposium, Los Angeles, CA., May 2006.
36. **Cashion, A.K.** Emerging genomic healthcare and research. Cain Lecture, University of Texas, Austin, April 2006.
37. **Cashion, A.K.** Genomic research and common health problems. 18th Annual International Society of Nurses in Genetics Conference, October 2005, Salt Lake City, UT.
38. **Cashion, A.K.** Harnessing technology: application of emerging genetic methodologies to study transplant outcomes. 20th Anniversary Science Symposium, NINR, October 11, 2005.
39. **Cashion, A.K.** Gene-environment interaction related to weight gain and obesity. Int. Society for Nurses in Genetics Annual Conference, November 2004, Canada.
40. **Cashion, A.K.** Genetic testing for the nurse practitioner. National Convention for Nurse Practitioners, Baltimore, Maryland, November 2003.
41. Winsett, R.P. & **Cashion, A.K.** Making the research process work (7-hour workshop). National Association of Transplant Coordinators (NATCO) and Region 5 Regional Meeting, Fall 2003 and May 2003.
42. **Cashion, A.K.** How the genetic explosion will affect you. Helena Rotary Club, March 2003.
43. **Cashion, A.K.** Curriculum revision. Genetics Interdisciplinary Faculty Training (GIFT) Program, Duke University, July 2002.
44. **Cashion, A.K.** Designing a genetic research program. NIGH/NINR Summer Genetic Institute, June 27, 2002.

45. **Cashion, A.K.** Genetics in pancreas transplant. Midwest Nursing Research Society 2002 Annual Research Conference Preconference Workshop, Chicago, March 1, 2002.
46. **Cashion, A.K & Velasquez-Mieyer PA.** Autonomic function in obesity and chronic disease. Memphis Area Society for Parenteral and Enteral Nutrition and the UT Health Science Center's 14th Annual Nutrition Symposium, May 3, 2001.
47. **Cashion, A.K.** The genetic explosion and the challenges facing nursing. Sigma Theta Tau, Beta Theta Chapter Spring Meeting, Memphis, Tennessee, February 27, 2001.
48. **Cashion, A.K.** Medical Surgical Presentations. St. Vincent Infirmary MC State Board Review, Little Rock, Arkansas, 1983, 1984, 1985.
49. **Cashion, A.K.** ICP Monitoring. Central Arkansas AACN and Arkansas Neurological Nurses Association, Little Rock, Arkansas, 1983.
50. **Cashion, A.K.** Hemodynamic Monitoring Workshop, 8 hours, Little Rock, Arkansas, 1982.
51. **Cashion, A.K.** Advanced Cardiac Life Support Courses, Little Rock, Arkansas, 1982-1990.
52. **Cashion, A.K.** Physical Assessment Workshops. St. Vincent Infirmary, Little Rock, Arkansas, 1982-1988.
53. **Cashion, A.K.** Intra-Aortic Balloon Pump Workshop, Little Rock, Arkansas, 1981.
54. **Cashion, A.K.** Multiple Basic CPR and Instructor CPR Courses. Little Rock, Arkansas, 1978 – 1988
55. **Cashion, A.K.** Coordinator and Lecturer. Dynamics of Cardiovascular Nursing and Dynamics of Critical Care Nursing Courses. St. Vincent Infirmary MC, Little Rock, Arkansas, 1978 -1988.

CONSULTATIONS:

Incorporating genetics into the curriculum. Universidad Autónoma de Nuevo León, Facultad de Enfermería, Monterrey, Mexico, 2009--2012.

SYMPOSIUMS:

Cashion, A.K., Hathaway, D.K., Wicks, M.N., Milstead, E.J., Winsett, R.O., Cowan, P.A., & Gaber, A.O. Cardiac autonomic function and sudden cardiac death in pretransplant kidney and pancreas-kidney patients. Sigma Theta Tau, Beta Theta Chapter at-large Annual Mid-South Research Conference, Memphis, Tennessee, April 3, 1998.

LEADERSHIP DEVELOPMENT SERIES

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