BIOGRAPHICAL SKETCH
DO NOT EXCEED FIVE PAGES.

NAME: Gress, Todd William

eRA COMMONS USER NAME (credential, e.g., agency login): tgress

POSITION TITLE: Assistant Dean

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
Joan C. Edwards School of Medicine at Marshall University	MD	05/1993	Medicine
Joan C. Edwards School of Medicine at Marshall University	Residency	06/1996	Internal Medicine
Johns Hopkins University School of Hygiene and Public Health	MPH	05/1997	Epidemiology
Johns Hopkins University	Fellowship	06/1999	General Internal Medicine

A. Personal Statement

For this COBRE application, focused on cellular transport physiology in obesity and obesity related conditions, I will serve as the Director of the Biostatistics and Study Design preCore. In this capacity, I have the expertise, leadership, training, and motivation necessary to successfully carry out all aspects of the requirements in supporting each of the junior investigators in their research projects. I have a strong background in Biostatistics and Epidemiology and have taught Biostatistics and Epidemiology for over 15 years. During this time, I have also assisted numerous students, residents, and faculty with their research projects. This effort has led to numerous abstracts, regional and national presentations, and publications. We have now formalized this process of assisting all graduate students, medical students, junior investigators, as well as faculty, in their research through the development of “clinics” and individual support provided by the Department of Clinical and Translational Sciences (DCTS). Through the DCTS, I lead the Biostatistics and Study Design Clinic and provide leadership and oversight of the other clinics offered in the DCTS (e.g. IRB clinic). I also serve as the Medical Director for clinical trials, overseeing all clinical trial activity for the Marshall University School of Medicine (MUSOM), including investigator initiated clinical trials. I am actively involved in all MUSOM pilot award efforts, having served in the roles of project/program leader, reviewer, as well as pilot award selection committee member. This COBRE will position the existing infrastructure and institutional commitment of the Biostatics and Study Design preCore to grow into a full Core, which I am well qualified to Direct.

B. Positions and Honors

Positions and Employment

1999 - 2004 Assistant Professor of Medicine, Medicine, Joan C Edwards School of Medicine at Marshall University, Huntington, WV
1999 - Present Physician, Department of Internal Medicine, Marshall Health, Huntington, WV
2000 - 2002 Director of Education, Department of Internal Medicine, JCESOM, Huntington, WV
2001 - 2002 Associate Program Director, Internal Medicine Residency, Department of Internal Medicine, Huntington, WV

2001 - 2009 Assistant Professor of Cardiovascular Medicine, Director of Clinical Cardiovascular Research, JCESOM, Huntington, WV
2002 - 2008 Program Director, Internal Medicine Residency, Department of Internal Medicine, JCESOM, Huntington, WV
2004 - Present Associate Professor, Department of Internal Medicine, JCESOM, Huntington, WV
2007 - 2010 Director of Clinical Research, Department of Internal Medicine, JCESOM, Huntington, WV
2009 - Present Assistant Dean for Clinical Research, Department of Clinical and Translational Sciences, JCESOM, Huntington, WV

Other Experience and Professional Memberships

1992 Alpha Omega Alpha (Junior Medical Student)
1994 American College of Physicians (Member)
1996 Society of General Internal Medicine (Member)

Honors

1986 Dean's List, West Virginia University
1987 - 1989 Dean's List, Marshall University
1989 Pleasant Valley Health Foundation Scholarship
1990 First Year (MS1) Achievement Award, JCESOM
1992 Outstanding Clinical Science Presentation, Research Day, JCESOM
1993 Outstanding Student in Gastroenterology, JCESOM
1993 Outstanding Student in Cardiology, JCESOM
1993 CIBA-GEIGY Award, JCESOM
1995 Chief Resident, Internal Medicine Residency, JCESOM
1995 Outstanding Resident Award by the JCESOM Class of 1995
1995 Outstanding Clinical Research Presentation, ACP Regional Meeting, WV
1995 Outstanding Clinical Science Presentation, Research Day, JCESOM
1999, 2000 2001, 2004 Attending of the Year, given by Internal Medicine Residents, JCESOM
2000 Milton W. Hamolsky Junior Faculty Award for Outstanding Scientific Presentation, 23rd Annual Meeting of the Society of General Internal Medicine

C. Contribution to Science

1. My early publications resulted from my fellowship training in General Internal Medicine. Being a generalist, I have maintained broad research interests throughout my career. One of my most significant contributions came from a secondary data analysis of the ARIC (Atherosclerosis Risk in Communities) cohort. We found that despite the past history of the metabolic effects of thiazide diuretics, there was no excess risk of incident diabetes when compared to other antihypertensive treatment or no treatment. I served as the lead investigator, performed all data analyses, and performed primary writing of the manuscript. During that same time period, I investigated a medical education issue examining the effects of the medical student involvement on patient satisfaction with ambulatory care visits.
    a. Gress TW, Nieto FJ, Shahar E, Wofford MR, Brancati FL. 2000. Hypertension and antihypertensive therapy as risk factors for type 2 diabetes mellitus. Atherosclerosis Risk in Communities Study.. *N. Engl. J. Med.* 2000 Mar 30;342(13):905-12.
    b. Gress TW, Flynn JA, Rubin HR, Simonson L, Sisson S, Thompson T, Brancati FL. 2002. Effect of student involvement on patient perceptions of ambulatory care visits: a randomized controlled trial.. *J Gen Intern Med.* 2002 Jun;17(6):420-7.

2. During my time as Program Director for the Department of Internal Medicine at the JCESOM, we evaluated important issues that affect personal growth during residency training. I collaborated with several other institutions and we examined this issue through survey of residents and also tracking monthly reflective writing of interns throughout their first year of training. This work help to identify

important factors for trainees and programs to foster personal growth during training. I also worked with another former program director at JCEOM to evaluate the outcomes of two different residency tracks in our family medicine residency, which importantly identified that a rural track helps to keep our doctors in West Virginia without sacrificing training outcomes.

a. Wright SM, Levine RB, Beasley B, Haidet P, Gress TW, Caccamese S, Brady D, Marwaha A, Kern DE. 2006. Personal growth and its correlates during residency training.. *Med Educ.* 2006 Aug;40(8):737-45.

b. Levine RB, Haidet P, Kern DE, Beasley BW, Bensinger L, Brady DW, Gress T, Hughes J, Marwaha A, Nelson J, Wright SM. 2006. Personal growth during internship: a qualitative analysis of interns' responses to key questions.. *J Gen Intern Med.* 2006 Jun;21(6):564-9.

c. Petrany SM, Gress T. 2013. Comparison of academic and practice outcomes of rural and traditional track graduates of a family medicine residency program.. *Acad Med.* 2013 Jun;88(6):819-23.

3. Over the past several years, I have pursued a research interest in diabetes. I am currently the principal investigator for an investigator initiated multisite randomized clinical trial investigating the effects of a cell phone technology intervention on diabetic self-management. We are following patients longitudinally and examining inflammatory markers in the serum and their association with diabetic control.

a. Gress TW, Nieto FJ, Shahar E, Wofford MR, Brancati FL. 2000. Hypertension and antihypertensive therapy as risk factors for type 2 diabetes mellitus. Atherosclerosis Risk in Communities Study.. *N. Engl. J. Med.* 2000 Mar 30;342(13):905-12.

b. Santhanam P, Gress T, Driscoll HK, Chertow BS, Elbash F. 2010. Higher recent A1C in diabetic patients with acute non-ST elevation myocardial infarction as compared to other critical illnesses.. *Diabetes Res. Clin. Pract.* 2010 Oct;90(1):e7-8.

c. Maghrabi AH, Hamoudeh E, Hassan T, Gress T, Yaqub A, Saleem TF. 2012. Safety and efficacy of an algorithm-based protocol in the management of diabetic ketoacidosis.. *Endocr Pract.* 2012 Nov 1;18(6):842-6.

d. Santanam N, Elitsur Y, Stanek R, Hotiana M, Wheaton J, Kheetan R, Aljayoussi R, Gress T, Yaqub A. 2014. Association between retinol binding protein 4 with atherosclerotic markers in obese children.. *Minerva Endocrinol.* 2014 Oct 30

Complete List of Published Work in MyBibliography:
https://www.ncbi.nlm.nih.gov/sites/myncbi/1PKyRik8ug5QG/bibliography/49988301/public/?sort=date&direction=ascending

D. Additional Information: Research Support and/or Scholastic Performance

Ongoing Research Support

UL1TR00011719 Kern (PI) 6/2012 – 6/2017
University of Kentucky Clinical and Translational Sciences Award
The goal of this award is to support research infrastructure and translational research collaboration among institutions.
Role: Contributor for Sub-Award

Completed Research Support

Rezulin Fund for Endocrinology Research, JCESOM at Marshall University 7/2014 – 7/2016
Targeted Education and Care for Diabetic Health
The goal of this project is to evaluate a cell phone technology intervention on patient self-management of diabetes and to examine inflammatory serum markers in relation to longitudinal glycemic control.
Role: PI