

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Limacher, Marian C.	POSITION TITLE AHA Suncoast Endowed Professor of Cardiovascular Research; Department of Medicine. Senior Associate Dean for Faculty Affairs		
eRA COMMONS USER NAME (credential, e.g., agency login) LIMACHER			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
St. Louis University, St. Louis, MO	A.B.	May 1973	Chemistry
St. Louis University School of Medicine, St. Louis	M.D.	May 1977	Medicine
Baylor College of Medicine, Houston, TX	Residency	June 1980	Internal Medicine
Baylor College of Medicine, Houston, TX	Fellowship	April 1983	Cardiovascular Diseases

A. Personal Statement

I have experience designing and implementing clinical translational research training programs having served as Director for the UF K30 program and currently as Director for our CTSI Training and Professional Development Program. We have established both a Certificate and a Master of Science in Clinical/Translational Science degree to provide core didactic training and supervised, mentored research for trainees and junior faculty to develop careers in clinical/translational research. I remain committed to identifying and developing promising research careers and look to expand our educational offerings to those still in training. My research interests are in women's health and cardiovascular disease, physical activity and treatment of obesity. I have been active in the Women's Health Initiative research programs since 1994, as PI for the University of Florida Clinical Center, as SE Regional PI Chair, Chair of the Outcomes Adjudication Committee, active member of numerous committees, site PI for a number of ancillary studies and as a participant in many writing groups. My background in cardiology as clinician, echocardiographer, researcher and preventive cardiologist brings important perspective to the design and conduct of collaborative research efforts. I have participated as a mentor for many trainees and junior faculty members as they design, conduct, analyze and publish their research initiatives.

B. Positions and Employment

1983-1984 Instructor in Medicine, Baylor College of Medicine;
Director, Non-Invasive Cardiology Lab, Ben Taub General Hospital, Houston, TX

1984-1991* Assistant Professor of Medicine, Division of Cardiology, University of Florida (UF), Gainesville, FL. *part-time appointment, 9/84 through 6/87: full-time beginning 7/87

1984-1999 Director, Non-Invasive Laboratory, Gainesville VA Medical Center, Gainesville, FL

1991-1997 Associate Professor of Medicine with tenure, Division of Cardiovascular Medicine, UF

1991-present Adjunct faculty, Dept of Exercise and Sports Sciences, UF College of Health and Human Performance

1995-1999 Chief of Cardiology, Gainesville VA Medical Center, Gainesville, FL

1997-present Professor of Medicine, Division of Cardiovascular Medicine, UF

2000-present Adjunct Professor, Department of Physiology, UF

2000-present Program Director, Master in Medical Science, Concentration in Clinical/Translational Science, UF

2010-present Senior Associate Dean for Faculty Affairs and Professional Development, UF College of Medicine

Professional Experience

1987-1992 Recipient, NIH, NHLBI Preventive Cardiology Academic Award

1998-1999 Executive Committee, Women's Health Initiative

1997-1999 Pre-reviewer, Residency Review Committee for Internal Medicine (RRC-IM), ACGME

1997-1999 Women in Medicine Coordinating Committee, Association of American Medical Colleges

1997-1999 AHA Council on Clinical Cardiology, Exercise and Cardiac Rehabilitation Committee

1997-1999	Chair, Southeast Regional Principal Investigators' Committee, Women's Health Initiative
1997-2004	Steering Committee, Prevention of Events with ACE Inhibition (PEACE)
1998	President, American Society for Preventive Cardiology (1994 Vice-President, 1996 President-Elect)
1998-2002	Chair, Women in Cardiology Committee, American College of Cardiology
1999-2004	Board of Trustees, American College of Cardiology
1999-2001	NIH, NHLBI Board of Extramural Advisors
1999-2009	Program Director, University of Florida Advanced Postgraduate Program in Clinical Investigation for the NIH Clinical Research Curriculum Award (K-30)
2001-2005	NIH, Advisory Committee on Research on Women's Health
2002	President, Society of Geriatric Cardiology (2001 President-Elect, 2000 Vice-President)
2002-2005	Chair, Morbidity and Mortality Committee, Women's Health Initiative
2004-2008	Chair, ACCME/CME Committee, American Society of Echocardiography
2005-2007	Co-Chair, Fall Program Committee, Council on Epidemiology and Prevention, American Heart Association
2005-2010	Chair, Women's Health Initiative Extension Study Outcomes Adjudication Committee
2005-2010	Executive Committee, Women's Health Initiative Extension Study
2006-2007	Awards Committee, American College of Cardiology
2007-2010	Chair, Fall Program Committee, Council on Epidemiology and Prevention, American Heart Assn
2009-present	Director, Training and Professional Development Program, UF Clinical Translational Science Institute
2010-2012	Chair, Women's Health Initiative 2010-15 Outcomes Adjudication Committee
2010-2012	Member, Steering Committee Women's Health Initiative Extension Study 2010-15
2011-2013	Chair, Interdisciplinary Committee on Prevention, American Heart Association, Council on Epidemiology and Prevention

Honors

1973	A.B. with honors in the Honors Program; Alpha Sigma Nu (Jesuit Honor Society), St. Louis Univ.
1995	Paul Dudley White Award of the Association of Military Surgeons of the United States (AMSUS)
1996	Recipient, UF Chapter of the American Medical Women's Association "Gender Equity Award".
2000	Recipient, UF College of Medicine Research Prize in Clinical Science
2000	Elected to membership, American Clinical and Climatological Association
2004-7	Recipient, University of Florida Research Foundation Professorship
2004	Florida Chapter American College of Cardiology, Presidential Citation
2008	AHA Suncoast Endowed Professor of Cardiovascular Research at UF
2009	Elected to membership, Southern Society for Clinical Investigation
2011, 2013	UF Department of Medicine Award for Excellence in Teaching Residents/Fellows
2014	Alachua County Division American Heart Association Heart Ball Honoree

C. Selected peer-reviewed publications (From 110 peer-reviewed publications)

Most relevant to the current application

1. The Women's Health Initiative Steering Committee. Anderson G (Chair, Writing Group), Limacher M (Co-Chair, Writing Group). Effects of conjugated equine estrogen in postmenopausal women with hysterectomy. The Women's Health Initiative Randomized Controlled Trial. JAMA 2004;291:1701-1712. PMID: 15082697
2. Kim HC, Greenland P, Rossouw JE, Manson JE, Cochrane BB, Lasser NL, Limacher MC, Lloyd-Jones DM, Margolis KL, Robinson JG. Multi-marker prediction of coronary heart disease risk: the Women's Health Initiative. J Am Coll Cardiol 2010;55:2080-2091. PMID: 20447530
3. Espeland MA, Pettinger M, Falkner KL, Shumaker SA, Limacher M, Thomas F, Weaver KE, Stefanick ML, McQuellon C, Hunt JR, Johnson KC. Demographic and health factors associated with enrollment in posttrial studies: The women's health initiative hormone therapy trials. Clin Trials 2013;10:463-472. PMID 23480899
4. Manson JE, Chlebowski RT, Stefanick ML, Aragaki AK, Rossouw JE, Prentice RL, Anderson G, Howard BV, Thomson CA, LaCroix AZ, Wactawski-Wende J, Jackson RD, Limacher M, Margolis KL, Wassertheil-

- Smoller S, Beresford SA, Cauley JA, Eaton CB, Gass M, Hsia J, Johnson KC, Kooperberg C, Kuller LH, Lewis CE, Liu S, Martin LW, Ockene JK, O'Sullivan MJ, Powell LH, Simon MS, Van Horn L, Vitolins MZ, Wallace RB. Menopausal hormone therapy and health outcomes during the intervention and extended poststopping phases of the Women's Health Initiative randomized trials. *JAMA* 2013;310:1353-1368. PMID 24084921
5. Bavry AA, Thomas F, Allison M, Johnson KC, Howard BV, Hlatky M, Manson JE, Limacher MC. Nonsteroidal anti-inflammatory drugs and cardiovascular outcomes in women: results from the women's Health Initiative. *Circulation Quality and Outcomes* 2014;7:603-610. PMID 25006185

Additional selected recent publications (in chronological order)

1. Eaton, CB, Abdulbaki A, Margolis K, Manson JE, Limacher M, Klein L, Allison MA, Robinson J, Curb JD, Martin LA, Liu S, Howard B. Racial and Ethnic Differences in Incident Hospitalized Heart Failure in Post Menopausal Women: The Women's Health Initiative. *Circulation* 2012;126:688-696. PMID 22753306.
2. Radcliff TA, Bobroff LB, Lutes LD, Durning PE, Daniels MJ, Limacher MC, Janicke DM, Martin AD, Perri MG. Comparing costs of telephone vs face-to-face extended-care programs for the management of obesity in rural settings. *J Acad Nutr Diet* 2012;112:1363-1373. PMID: PMC3432696
3. Bertoia ML, Allison MA, Manson JE, Freiberg MS, Kuller LH, Solomon AJ, Limacher MC, Johnson KC, Curb JD, Wassertheil-Smoller S, Eaton CB. Risk factors for sudden cardiac death in post-menopausal women. *J Am Coll Cardiol* 2012; 60:2674-2682. PMID 23219175
4. Sands M, Loucks EB, Lu B, Carskadon MA, Sharkey K, Stefanick M, Ockene J, Shah N, Hairston KG, Robinson J, Limacher M, Hale L, Eaton CB. Self-reported snoring and risk of cardiovascular disease among postmenopausal women (from the Women's Health Initiative). *Am J Cardiol* 2013;111:540-546. PMID: PMC3563849
5. Sands-Lincoln M, Loucks, EB, Lu B, Carskadon MA, Sharkey K, Stefanick M, Ockene J, Shah N, Hairston K, Robinson J, Limacher M, Hale L, Eaton CB. Sleep duration, insomnia, and coronary heart disease among postmenopausal women in the Women's Health Initiative. *J Womens Health (Larchmt)*. 2013;22:477-486. PMID: PMC3678565
6. Perez MV, Wang PJ, Larson JC, Soliman EZ, Limacher M, Rodriguez B, Klein L, Manson JE, Martin LW, Prineas R, Connelly S, Hlatky M, Wassertheil-Smoller S, Stefanick ML. Risk factors for atrial fibrillation and their population burden in postmenopausal women: The Women's Health Initiative Observational Study. *Heart* 2013;99:1173-1178. PMID: 23756655
7. Manini TM, Lamonte MJ, Seguin RA, Manson JE, Hingle M, Garcia L, Stefanick ML, Rodriguez B, Sims S, Song Y, Limacher M. Modifying effect of obesity on the association between sitting and incident diabetes in post-menopausal women. *Obesity (Silver Spring)* 2014;22:1133-1141. PMID 24123945
8. Lakshminarayan K, Larson JC, Virnig B, Fuller C, Allen NB, Limacher M, Winkelmayr WC, Safford MM, Burwen DR. Comparison of Medicare claims versus physician adjudication for identifying stroke outcomes in the Women's Health Initiative. *Stroke* 2014; 45:815-812 PMID 24525955
9. Karnes JH, Gong Y, Arwood MJ, Gums JG, Hall K, Limacher MC, Johnson JA, Cooper-DeHoff RM. Alteration in fasting glucose after prolonged treatment with a thiazide diuretic. *Diabetes Res Clin Pract*. 2014;104:363-369. PMID 24794890
10. Mainous AG, Tanner RJ, Shorr RI, Limacher MC. Use of aspirin for primary and secondary cardiovascular disease prevention in the United States, 2011-2012. *J Am Heart Assoc* 2014;14:1-9. 2014;3:e000989; originally published July 14, 2014; doi: 10.1161/JAHA.114.000989 PMID 25023071.

D. Research Support

ACTIVE

NIH, NHLBI N01-WH-04354

10/1/10 – 9/30/15

through a subcontract with Wake Forest University
Women's Health Initiative Extension Study 2010-15

Extended follow-up of the WHI Clinical Trials and Observational Study with additional emphasis on cardiovascular outcomes.

Role: Regional Center Satellite Center PI

Overlap: None

NIH, NHLBI R18 HL112720 Perri (PI) 2013-2018

Rural Lifestyle Eating and Activity Program (Rural LEAP)

Limacher Role: Co-I, Medical Director

This project is a single-blind, randomized controlled effectiveness trial in obese adults in rural locations to evaluate the effects of extended-care programs delivered via individual or group telephone counseling sessions compared to a health education control condition on long-term changes in body weight.

Overlap: None

1UL1RR029890 2009-2015

(Linked Awards: 1KL2RR029888, 1TL1RR029889)

NIH, NCRR

Clinical Translational Science Award (CTSA)

University of Florida Clinical Translational Science Institute

PI: David Nelson, MD

The CTSA supports the Clinical and Translational Science Institute at the University of Florida to meet four basic goals: creating the proper environment for fruitful research, training the individuals who will form research teams, making better technology more available for conducting research and applying the results, and increasing the opportunities for individuals and teams at all stages of research and application to work together to improve health and healthcare.

Role: Director, Training and Professional Development Program

Overlap: Core training will be enhanced for T32 participants who participate in CTSI programs

RECENTLY COMPLETED

1 R18HL087800-01 6/1/08 – 5/31/13

NIH, NHLBI, R18

Rural Lifestyle Intervention Treatment Effectiveness Trial (Rural LITE)

The major objective of this study is to conduct a randomized controlled trial evaluating the effects of three doses of lifestyle treatment on 2-year changes in body weight in obese women from underserved rural areas.

PI: Michael G. Perri, PhD

Role: Co-PI, Medical Director

N01-WH-4-2129, NIH, NHLBI 9/30/94-9/29/10

Women's Health Initiative (WHI)

Both a randomized trial of interventions to reduce the major cardiac, cancer, and fracture outcomes in postmenopausal women as well as a long-term observational study of contemporary risks and outcomes. After completion of the prospective randomized portions in 2005, a second 5-year extension follow-up program is in progress to determine long-term clinical outcomes for both the observational and clinical trial participants.

Role: Clinical Center PI