

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Kathleen M. McTigue	POSITION TITLE Associate Professor, Division of General Medicine, School of Medicine, and Department of Epidemiology, School of Public Health, University of Pittsburgh,		
eRA COMMONS USER NAME kathleenmct			
EDUCATION/TRAINING (<i>Begin with baccalaureate or other initial professional education, such as nursing,</i>			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Notre Dame, South Bend, IN	BS	May, 1989	Biology
University of Wisconsin-Madison, Madison, WI	MS	May, 1992	Zoology
University of Connecticut School of Medicine, Farmington, CT	MD	May, 1996	Medicine
University of Connecticut Graduate School, Storrs, CT	MPH	May, 1996	Public Health

A. Personal Statement

I am the Director of the Clinical Scientist Track and the Associate Director for the International Scholars Track, two programs that add clinical research training to the residency experience for internal medicine residents. Over the past six years, I have assisted dozens of young clinician scholars find mentors, develop research ideas, and create and implement timelines that enable them to complete their research work within the constraints of their clinical training experiences. I have also mentored 27 individuals who have completed or are currently working on clinical research projects as part of their undergraduate, medical school, residency, MS degree, PhD degree, fellowship, or faculty work. Much of my mentoring work focuses on epidemiology, the use of technology for improving quality of care, or aspects of lifestyle intervention. I am the PI of two ongoing projects which could form the basis of mentored research projects funded through the proposed program: AHRQ 1R18HS018155-01 Online Counseling to Enable Lifestyle-Focused Obesity Treatment in Primary Care; and NIMH R01 MH 081071-01A2 Weight Development and Mental Health Symptoms in Adolescent Girls. The selected publications listed here highlights some of my mentees' work, as well as areas in which I have published.

B. Positions and Honors. List, in chronological order, previous positions concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

EMPLOYMENT

1996-1999 University of Colorado, Denver, CO: Intern and Resident in Internal Medicine
1999-2000 Harvard Park Internal Medicine, Denver, CO. Primary Care Provider
1999-2000 Denver V.A. Medical Center, Department of Compensation & Pension, Denver; Staff Physician
1999-2000 Denver Veterans Affairs Medical Center, Emergency Department Physician
1999-2000 Beacon Medical Services/Rose Medical Center Emergency Department, Denver, CO. Emergency Department Physician
1999-2000 Acute Injury and Illness Center of Highlands Ranch, Highlands Ranch, CO; Urgent Care Clinic Physician
2000 – 6/02 University of North Carolina at Chapel Hill, Chapel Hill, NC. Fellow, The Robert Wood Johnson Clinical Scholars Program.
2000 – 6/02 University of North Carolina at Chapel Hill, Chapel Hill, NC. Resident in Preventive Medicine.
2000 – 6/02 University of North Carolina at Chapel Hill, Chapel Hill, NC. Primary care clinician.
6/02 – 7/11 University of Pittsburgh, Pittsburgh, PA. Assistant Professor, Division of General Medicine, School of Medicine, and Department of Epidemiology, School of Public Health.

7/11-current Associate Professor of Medicine with Tenure, Division of General Internal Medicine, Department of Medicine, School of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania.

HONORS AND AWARDS

1989 University of Notre Dame Outstanding Senior Biologist
1989 Phi Beta Kappa
1989 WARF Fellow - Wisconsin Alumni Research Foundation grant for graduate work
1990-91 National Science Foundation Fellow
1993 University of Connecticut School of Medicine Summer Research Fellow
1992-96 University of Connecticut Master of Public Health Program Fellow
2001 Mack Lipkin, Sr. Associate Award, Society for General Internal Medicine
2003 Hamolsky Award Finalist, Society for General Internal Medicine
2003 National Institutes of Health Clinical Research Loan Repayment Program
2008 University of Pittsburgh "Pitt Innovator" Award, for development and licensing of an online version of the Diabetes Prevention Program's lifestyle curriculum

C. Selected Peer-reviewed Publications (in chronological order).

Most relevant to the current application (Selected from 42 peer-reviewed publications)

1. Sanfilippo KM, **McTigue KM**, Fidler CJ, Neaton JD, Chang Y, Fried LF, Liu S, and LH Kuller. Hypertension and obesity and the risk of kidney cancer in two large cohorts of US men and women. *Hypertension*. 2014. Mar 17. [Epub ahead of print]
2. Lyden JR, Zickmund SL, Bhargava TD, Bryce CL, Conroy MB, Fischer GS, Hess R, Simkin-Silverman LR, **McTigue KM**. Implementing health information technology in a patient centered manner: Patient experiences with an online evidence-based lifestyle intervention. *J Healthc Qual*. 2013 Sep-Oct;35(5):47-57
1. Rief JJ, Mitchell GR, Zickmund SL, Bhargava TD, Bryce CL, Fischer GS, Hess R, Kolb NR, Simkin-Silverman L, **McTigue KM**. 2012. Promoting Patient Phronesis: Communication Patterns in an Online Lifestyle Intervention. *Health Education and Behavior*. 2012 40(3) 311–322
2. Gemmill E, Bayles C, **McTigue K**, Satariano W, Sharma R, and Wilson J. Factors Associated with Adherence to an Accelerometer Protocol in Older Adults. *Journal of Physical Activity and Health*. 2011, 8, 1152 -1159.
3. Simkin-Silverman LR, Conroy MB, Bhargava T, **McTigue K**. Development of an Online Diabetes Prevention Lifestyle Intervention Coaching Protocol for Use in Primary Care Practice. *Diabetes Educator*. 2011 37(2): 263-268.
4. Silk AW, **McTigue KM**. Reexamining the Physical Examination for Obese Patients. *JAMA*. 2011 305(2):193-4. Epub 2010 Dec 29.
5. Naghshineh N, O'Brien Coon D, **McTigue K**, Courcoulas AP, Fernstrom M, Rubin JP. Nutritional assessment of bariatric surgery patients presenting for plastic surgery: a prospective analysis. *Plast Reconstr Surg*. 2010 126(2):602-10.
6. Lynch, CP, **McTigue KM**, Bost JE, Tinker LF, Vitolins M, Adams-Campbell L, Sarto GE, Hays J, Manson JE, Kuller LH. Excess Weight and Physical Health-Related Quality of Life in Postmenopausal Women of Diverse Racial/Ethnic Backgrounds. *Journal of Women's Health*. *J Womens Health*. 2010 Aug;19(8):1449-58.
7. El-Saed A, Kuller LH, Newman AB, Lopez O, Costantino J, **McTigue K**, Cushman M, Kronmal R. Geographic variations in stroke incidence and mortality among older populations in four U.S. communities. *Stroke*. 2006;37(8):1975-9.
8. El-Saed A, Kuller LH, Newman AB, Lopez O, Costantino J, **McTigue K**, Cushman M, Kronmal R. Factors associated with geographic variations in stroke incidence among older populations in four U.S. communities. *Stroke*. 2006;37(8):1980-5.

Additional publications of importance to the field (in chronological order)

1. **McTigue KM**, Garrett JM, Popkin BM. The natural history of the development of obesity in a cohort of young U.S. adults between 1981 and 1998. *Ann Intern Med*. 2002;136(12):857-64.

2. Mitchell, GR and **McTigue, KM**. Argumentation as a translation tool in medical research and physician-citizenship. *Journal of Medical Humanities*. 2012 Jun;33(2):83-107.
3. **McTigue KM**, Conroy MB, Hess R, Bryce CL, Fiorillo AB, Fischer GS, Milas NC, Simkin-Silverman LR. Using the Internet to translate an evidence-based lifestyle intervention into practice. *Telemed J E Health*. 2009;15(9):851-8.
4. **McTigue KM**, Conroy MB, Bigi L, Murphy C, McNeil M. Weight loss through living well: translating an effective lifestyle intervention into clinical practice. *Diabetes Educ*. 2009;35(2):199-204, 208.
5. Lewis CE, **McTigue KM**, Burke LE, Poirier P, Eckel RH, Howard BV, Allison DB, Kumanyika S, Pi-Sunyer FX. Mortality, health outcomes, and body mass index in the overweight range: a science advisory from the American Heart Association. *Circulation*. 2009;119(25):3263-71.
6. **McTigue KM**, Hess R, Ziouras J. Obesity in older adults: a systematic review of the evidence for diagnosis and treatment. *Obesity (Silver Spring)*. 2006;14(9):1485-97.
7. **McTigue KM**, Chang Y, Eaton C, Garcia L, Johnson KC, Lewis CE, Liu S, Mackey RH, Robinson J, Rosal MC, Snetselaar L, Valoski A, Kuller, L. Severe obesity, heart disease and death among white, African-American and Hispanic postmenopausal women. *Obesity*. 2014 Mar;22(3):801-10.

D. Research Support.

Ongoing Research Support

UL1 TR000005

Reis (PI)

07/01/11 – 06/30/16

University of Pittsburgh Clinical and Translational Science Institute, Core C (Research Education)

The University of Pittsburgh is uniquely suited to and committed to transforming its academic culture, environment and structure to develop clinical and translational science as a distinct discipline in Western Pennsylvania. This transformation will result in fundamental changes in the institution and its training of scientists, its performance of research, and its health practice through an unprecedented collaborative effort among the six schools of the health sciences. The primary focus of the CTSI is to develop, nurture, and support a cadre of highly trained clinical and translational scientists by building on the University's established record of translational research training. Through integration and innovation, the CTSI will excel in the development of new biomedical knowledge and the translation of that knowledge from the basic and preclinical research settings to individual, communities, and health practice.

Role: Co-Investigator

R01 MH081071

McTigue (PI)

05/11/09 – 03/31/15 Weight

Development and Mental Health Symptoms in Adolescent Girls

As overweight continues to rise among US adolescents, it is important to understand who has the highest risk of developing health problems related to their weight. This study examines adolescent girls who are at high risk of overweight, to see whether underlying mental health problems increase the rate of weight gain, and whether overweight also worsens mental health risk.

Role: PI

R18 HS21162-01A1

Conroy (PI)

12/01/12 - 11/30/17

Maintaining Activity and Nutrition Through Technology-Assisted Innovation in Primary Care

To determine the efficacy of online coaching and electronic progress reports delivered through the primary care site's electronic health portal to support weight maintenance after initial weight loss

Role: Co-Investigator

CDRN-1306-04912

Hess (PI)

1/1/14 – 6/30/15

Patient

Centered Outcomes Research Institute

A P²aTH Towards a Learning Health System in the Mid-Atlantic Region.

The P²aTH Clinical Data Research Network brings together four Mid-Atlantic Health Systems: University of Pittsburgh/UPMC, Penn State College of Medicine/Hershey Medical Center, Temple University School of Medicine/Temple Health, and Johns Hopkins University/ Johns Hopkins Health System/ Johns Hopkins Health Care. In P²aTH, we will combine resources to follow a longitudinal cohort of at least 1 million diverse individuals across a variety of health care settings to maximize our power to conduct meaningful patient-centered outcomes research. Our vision is to develop a learning health system that is jointly led by patients

and providers.

Role: Co-Investigator

Completed Research Support

AHRQ 1R18HS018155-01

McTigue (PI)

09/30/09-07/31/13.

Online Counseling to Enable Lifestyle-focused Obesity Treatment in Primary Care.

This study will compare the 1-year effectiveness and cost-effectiveness of two online lifestyle interventions in primary care patients.

Role: PI

R01 HL083326

Mackey (PI)

05/01/06 – 4/30/10

Biochemical Heterogeneity in Morbidly Obese Women in the WHI Observational Study

This project proposes to evaluate the distribution of adipokines and the risk of coronary heart disease (CHD) in extremely obese women of the Women's Health Initiative Observational Study.

Role: Co-Investigator

SAP#4100033126

Goodpaster (PI)

06/01/06 – 5/31/10

Preventing Adverse Effects of Class II and Class III Obesity

This application from the University of Pittsburgh and its partners is to establish a Center of Excellence in Research on Obesity that focuses on severe obesity.

Role: Co-Investigator

K08 DK067192

McTigue (PI)

07/01/04 – 09/30/09

Environmental Influences on Weight Development

The aim of this study is to determine how the social and physical environment influences weight development in US youth with focus on girls and young women.

Role: PI

Ivey and Satariano (Co-PIs)

11/1/04 – 10/30/06

The Robert Wood Johnson Foundation SA4735

Environmental Correlates of Physical Activity Among Older Adults: A Healthy Aging Research Network (HAN) Collaboration.

This project will evaluate how environmental features correspond with older adults' physical activity patterns in 4 different urban settings. It is subsumed under the research effort of the K-08 project and is considered a career development activity.

Role: Co-Investigator

W81XWH-04-2-0030

Barnes (PI)

06/01/09 – 05/31/10

Diabetes Prevention & Treatment Programs for Western PA

During this project, Dr. McTigue led the research team that developed and piloted an online version of an evidence-based lifestyle intervention. The group is now working on enhancing its features, and evaluating its 6-month effectiveness, compared with a lower-intensity online intervention.

Role: Co-Investigator (Project co-PI)

USAMRAA W81XWH-04-2-0030

Siminerio (PI)

8/1/04 – 5/31/09

Diabetes Prevention and Treatment Program for Western Pennsylvania

This project focuses on developing, implementing and evaluating an internet portal for diabetes education, in coordination with clinical practice. It is subsumed under the research effort of the K-08 project and is considered a career development activity.

Role: Co-Investigator (Project co-PI)

OD-02-001

Roberts (PI)

7/1/ 2003 – 6/30/2004

Building Interdisciplinary Research Careers in Women's Health (BIRCWH) Faculty Development Award. Career development award with 2-5 years of 75% salary support, for evaluation of environmental influences on weight development in women.

Role: Investigator