

BIOGRAPHICAL SKETCH

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

NAME Casteel, Carri	POSITION TITLE Associate Professor		
eRA COMMONS USER NAME (credential, e.g., agency login) ccasteel			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
University of California, Irvine	BS	06/92	Mathematics
University of California, Los Angeles	MPH	06/96	Epidemiology
University of California, Los Angeles	PhD	12/01	Epidemiology

A. Personal Statement

The overall objective of the proposed translational research study is to demonstrate how evidence-based practices for older adult falls prevention adapted in clinical settings can be effectively delivered by healthcare providers to improve uptake and reduce the rate of falls and fall-related injuries among older adult participants. My experience in conducting translational research studies, including studies with older adult populations, positions me well to successfully contribute to the proposed work. I led a dissemination study to identify effective strategies of increasing senior center adoption of an older adult falls awareness program. This study showed that senior centers offer many programs that can be adapted to falls prevention and that senior center directors are willing to deliver falls prevention education with high fidelity to the program's original design. The dissemination study also showed low program uptake by older adults, which is very consistent with other evaluation studies of falls prevention programs. To address this issue, I am co-leading a translational research study to identify factors that would increase older adult use of evidence-based multifaceted falls prevention strategies. I was also a co-investigator on an intervention evaluation study to examine the effectiveness of a medication review and modification program, delivered through community pharmacies, on the rate of falls and fall-related injuries among community-dwelling older adults in North Carolina. In addition, I have a strong track record of leading translational and intervention research studies in workplace violence prevention.

B. Positions and Honors

Positions and Employment

- 1995-1996 Student Intern, Injury and Violence Prevention Program, Los Angeles County Department of Health Services, Los Angeles, CA
- 1996 Teaching Assistant, Epidemiologic Methods Graduate Course, Department of Epidemiology, University of California, Los Angeles, CA
- 1996-2001 Assistant Researcher (2001-2003), Staff Research Associate (1996-2001), Southern California Injury Prevention Research Center, Department of Epidemiology, University of California, Los Angeles, CA
- 1996-2002 Mathematics Instructor, Mount St. Mary's College, Los Angeles, CA
- 2003-2013 Associate Director for Research (2012-2013), Core Faculty (2003-2013), University of North Carolina Injury Prevention Research Center, Chapel Hill, NC
- 2004-2013 Research Associate Professor (2010-2013), Research Assistant Professor (2005-2010), Adjunct Assistant Professor (2004-2005), Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2013-present Associate Director for Education and Training, University of Iowa Injury Prevention Research Center, College of Public Health, Iowa City, IA

2013-present Associate Professor, Department of Occupational and Environmental Health, University of Iowa, Iowa City, IA

Honors

- 1996 Teaching Assistant of the Year, Department of Epidemiology, University of California, Los Angeles, CA
- 1996 Raymond Goodman Scholarship, School of Public Health, University of California, Los Angeles, CA
- 1997 Student Sponsorship, National Institute for Occupational Safety and Health Conference
- 1999 Student Research Award, Center for Occupational and Environmental Health, School of Public Health, University of California, Los Angeles, CA
- 2001 Delta Omega, National Public Health Honor Society
- 2001 Dissertation Workshop Awardee, Congress of Epidemiology 2001 Conference, Toronto, Ontario, Canada
- 2008 Featured, 2007-2008 Annual Report, Office of Research, University of North Carolina Gillings School of Global Public Health, New Investigator making a public health impact through research
- 2010 Recipient, 2009 Research Manuscript Award, Society for the Advancement of Violence and Injury Research

C. Selected Peer-reviewed Publications

1. Casteel C, Peek-Asa C, Howard J, Kraus JF. Effectiveness of crime prevention through environmental design in reducing criminal activity in liquor stores: a pilot study. *Journal of Occupational and Environmental Medicine* 2004;46(5):450-458.
2. Casteel C, Peek-Asa C, Lacsamana C, Vazquez L, Kraus JF. Evaluation of a falls prevention program for independent elderly. *American Journal of Health Behavior* 2004;28 Suppl 1:S51-S60.
3. Runyan CW, Marshall SW, Coyne-Beasley T, Casteel C. Commentary: recommendations for home safety research and intervention. *American Journal of Preventive Medicine* 2005;28(1):116-118.
4. Runyan CW, Casteel C, Perkis D, Black C, Marshall SW, Johnson RM, Coyne-Beasley T, Waller A, Viswanathan S. Unintentional injuries in the home in the United States- Part I: Mortality. *American Journal of Preventive Medicine* 2005;28(1):73-79.
5. Casteel C, Peek-Asa C, Greenland S, Chu LD, Kraus JF. Effectiveness of a workplace violence intervention in small retail and service establishments. *Journal of Occupational and Environmental Medicine* 2008;50(12):1365-1370.
6. Ferreri S, Roth M, Casteel C, Demby KB, Blalock SJ. Methodology of an ongoing randomized controlled trial to prevent falls through enhanced pharmaceutical care. *American Journal of Geriatric Pharmacotherapy* 2008;6(2):61-81.
7. Vladutiu CJ, Casteel C, Runyan CW. Disability and risk of non-fatal residential injuries among adults. *Injury Prevention* 2008;14(5):302-305.
8. Casteel C, Peek-Asa C, Nocera M, Smith JB, Blando J, Goldmacher S, O'Hagan E, Valiante D, Harrison R. Hospital employee assault rates before and after enactment of the California Hospital Safety and Security Act. *Annals of Epidemiology* 2009;19(2):125-133.
9. Blalock SJ, Casteel C, Roth MT, Ferreri S, Demby KB, Shankar V. Preventing falls through enhanced pharmaceutical care: a randomized, controlled trial. *American Journal of Geriatric Pharmacotherapy* 2010;8(5):428-440.
10. Casteel C, Blalock SJ, Ferreri S, Roth MT, Demby KB. Implementation of a community pharmacy-based falls prevention program. *American Journal of Geriatric Pharmacotherapy* 2011;9(5):310-319.
11. Peek-Asa C, Casteel C. Documenting the need for translational research: an example from workplace violence prevention. *Injury Prevention* 2010;16(1):50-52.
12. Zachary C, Casteel C, Nocera M, Runyan CW. Barriers to senior center implementation of falls prevention programs. *Injury Prevention* 2012;18(4):272-276. Editor's choice.
13. Vladutiu CJ, Casteel C, Marshall SW, McGee KS, Runyan CW, Coyne-Beasley T. Disability and home safety practices in U.S. households. *Disability and Health* 2012;5(1):49-54.

Completed Research Support

- R03 OH009736 Rauscher (PI) 09/01/11-08/31/13
Factors in the Adoption of the Youth @ Work: Talking Safety Curriculum by High School Teachers
The goal of this project was to identify the barriers and facilitators faced by high school teachers in adopting and sustaining the Talking Safety curriculum.
Role: Subcontract PI
- R21 PAR-06-552 Peek-Asa (PI) 09/01/09-08/31/12
Worker-on-Worker Violence: Development of Methods to Evaluate Policies and Procedures
The objective is to determine if tabletop scenario exercises adapted from disaster preparedness research can serve as an effective tool to evaluate and improve business's policies and procedures for worker-on-worker violence.
Role: Subcontract PI
- 200-2007-22288 Hartley (PI) 08/14/07-12/31/10
Community-Based Workplace Violence Intervention for Businesses at High Risk for Robbery
The goal of this project is to identify strategies to increase small business participation in a workplace violence prevention program and compliance to program recommendations. Role: Subcontract PI
- R01 OH008688 Casteel (PI) 09/01/06-08/31/10
Violence Against Home Health and Hospice Workers
The objectives of this project are to understand the interaction of organizational, worker and job characteristics and the external environment that contribute to and protect home health and hospice workers from violence, and identify the most effective strategies to intervene.