

An alarming number of veterinarians has self-reported experiencing musculoskeletal discomfort and injuries. Despite exposure to similar occupational and safety hazards as other healthcare providers, ergonomics and occupational health research in veterinary care is limited. The purpose of this proposed research is to quantify ergonomic risk factors in veterinary medicine that can impact veterinary clinicians', residents', and surgeons' musculoskeletal health, performance, and career longevity. The long-term goal of this research is to improve the occupational health and safety of veterinary medicine and animal care through an interdisciplinary veterinary medicine/industrial engineering approach, first by identifying risk factors in the operative environment in this proposed research work and quantifying workplace exposures in order to promote safer workplaces. The proposed work have potential to extend beyond surgical veterinary care to veterinary office and rural care environments and can lead to larger interdisciplinary collaborations between veterinary medicine, industrial hygienists, environmental health sciences, and engineering.

- Corresponding Author: Denny Yu, PhD, email: DennyYu@purdue.edu



**University of Cincinnati
17th Annual
Pilot Research Project
Symposium
October 13-14, 2016**



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Pilot Research Training Program (PRP) Overview

Welcome to the University of Cincinnati Education and Research Center's (ERC) 16th Annual Pilot Research Project (PRP) Symposium on October 8-9, 2016. Welcome to the University of Cincinnati Education and Research Center's (ERC) 17th Annual Pilot Research Project (PRP) Symposium on October 13-14, 2016, held in the Auditorium of Proctor Hall, College of Nursing. The purpose of the PRP is to increase the research capacity of research trainees and young investigators in occupational health and safety and to encourage those in related disciplines to pursue occupational health and safety research.

Under the administrative direction of Dr. Amit Bhattacharya, research proposals are solicited and peer-reviewed annually from qualifying faculty and graduate students from the **University of Cincinnati and the following PRP partnering institutions – Air Force Institute of Technology, Bowling Green State University, University of Toledo – Health Science Campus, Central State University, Purdue University, University of Kentucky, Western Kentucky University, Eastern Kentucky University, Murray State University, Ohio University and Kentucky State University.**

At this symposium, the 2015-16 awardees will be presenting the results of their research and the 2016-17 awardees will make poster presentations of their proposed work. The keynote speaker on Thursday, October 13, 2016 is **Anita Schill, PhD, MPH, MA**, Senior Science Advisor to the Director and Co-Manager for the Total Worker Health® Program with the National Institute for Occupational Safety and Health (NIOSH), will deliver the keynote address on "**Advancing Well-Being Through Total Worker Health.**"

The University of Cincinnati's Education and Research Center is one of 18 such centers funded by the National Institute for Occupational Safety and Health (NIOSH) nationally. Dr. Tiina Reponen serves as the director of the ERC, which is based in the university's Department of Environmental Health within the College of Medicine. The purpose of the ERC is to train professionals in the didactic and research skills necessary to lead the occupational safety and health disciplines. Results of research are translated into action through an outreach program and shared with professionals and practitioners in the region via continuing education.

Since 1999, the PRP program has allocated over \$1.3 million to support 222 pilot research projects. These projects have served as a catalyst in bringing over \$34 million in additional research support to the region from sources independent of the PRP program, such as, the National Institute for Occupational Safety and Health (NIOSH), National Institutes of Health (NIH), United States

Department of Agriculture (USDA), National Science Foundation (NSF), and the Centers for Disease Control and Prevention (CDC). Additionally, the PRP has brought 47 new investigators from other fields of expertise to the area of occupational safety and health research.

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