DIVISION OF HEALTH SCIENCES AND HONORS COLLEGE MIXER

May 14, 2019
SARAH ROTHERBERG

Public Health and Human Sciences
OSU Mercury Speciation Lab (Milam 005)
Analyze total mercury and methylmercury in all matrices

Environmental matrices (aqueous and solid-phase): precipitation, sediment, pore water, surface water, storm water, sanitary sewage overflows, etc.

Biomarkers:
Blood, urine, stool, hair, meconium, etc.
RESEARCH OPPORTUNITIES

Marie Harvey, DPh, MPH
Associate Dean for Research
Distinguished Professor
Our **GOAL** is to

Develop a holistic understanding of the health of individuals and populations **AND**

Create feasible approaches to solving current and emerging public health and societal problems
We **study**: 

- individuals across the life course, 
- focus on health equity and addressing health disparities, and 
- conduct both basic and applied research, including the translation of public health programs to real-world settings.
Five Signature Research Areas that span the expertise and disciplines of the faculty in our College
Optimal health through nutrition and physical activity

• dietary influences on cancer prevention
• bone metabolism and health
• motor skill development in young children
• obesity-related disorders
• food security
• neuromechanics
Prevention of chronic diseases and promotion of healthy behaviors

• promoting the adoption of healthy behaviors
• preventing chronic diseases: cardiovascular disease; cancers; and obesity
• reducing the use of new and emerging tobacco products
• promoting sexual and reproductive health
Healthy developmental processes and transitions across the lifespan

• optimal childhood development
• school readiness
• caregiving
• optimal aging
Health systems reform and health policy

• impact of health reforms on the health of Oregonians
• health care access and utilization
• measuring and improving the quality of health care
• global health systems and governance
Environmental and occupational hazards and human health

• health impacts of exposure to air and water pollution and other chemicals in our environment

• the built environment, urban green space

• climate change

• occupational exposures to health and safety hazards
College Research Centers

• Center for Global Health
  • Director: Chunhuei Chi, ScD, MPH

• Center for Healthy Aging Research
  • Director: Carolyn Aldwin, PhD

• Hallie E. Ford Center for Healthy Children and Families
  • Director: Megan McClelland, PhD

• The Moore Family Center for Whole Grain Foods, Nutrition, and Preventive Health
  • Director: Emily Ho, PhD
Thank you! We hope you explore opportunities with us!
Evolution of Pharmacotherapy

Disease characterization
Disease Cause
Drug Discovery

Drug Effectiveness
Drug Toxicity
Drug Delivery & Dosing

Drug Outcomes
Patient Management
Drug Use
Drug Cost

Pharmacy Practice

Pharmaceutical Sciences

http://pharmacy.oregonstate.edu/
Pharmaceutical Sciences

Gene Regulation Microbiome

Targeted Drug Delivery

Drug Discovery Pharmacotherapy

Pharmacokinetics Pharmacodynamics

Infectious Disease
Cancer
Cardiovascular Disease

Pharmacy Practice

Pharmacy Outcomes Drug Use

Epidemiology Public Health Ambulatory Care

OSU College of Pharmacy
Pharmacy Practice-based Research

Corvallis-based

Community Rx
Ambulatory Care
Mental Health
Inpatient

Anderson

Braden-Suchy

Irwin

Zumach

Starwalt
Linares
Morley
Olstad
Ramirez
Zweber
Portland-based faculty

Bearden
- Infectious Disease

Castner
- Ambulatory Care

Olyaei
- Transplantation Medicine

Herink
- Inpatient Pharmacotherapy

Williams
- Inpatient Pharmacotherapy

Singh
- Cardiovascular Ambulatory Care
Natural Products Drug Discovery
Corvallis

Anti-infectives
Anti-cancer
Cardiovascular

Proteau  Mahmud  Philmus  Ishmael  McPhail

Sikora  Zielke  Stevens  Van Breemen
Pharmaceutics

Mostly Portland-based

Pharmacokinetics

Christensen  Munar

Targeted Drug Delivery

Alani  Sahay  Sun  Taratula  Taratula
Information-based Research

Portland-based

Drug Use &
Public Policy

Hartung  Haxby

Pharmacoepidemiology

Furuno  Lee  McGregor
College of Pharmacy

http://pharmacy.oregonstate.edu/