

Global Health Symposium 2017

For Our Planet. For Our Health.



Tuesday, April 4, 2017

4:30-9:00 p.m.

Health Sciences Learning Center
University of Wisconsin-Madison

#OurPlanetOurHealth



Global Health Institute
UNIVERSITY OF WISCONSIN-MADISON

THE GLOBAL HEALTH INSTITUTE (GHI) at the University of Wisconsin-Madison is dedicated to improving health in Wisconsin and across the world through research, education, and service. GHI connects colleagues and communities as they grapple with complex, interlinked environmental, biological, and sociological determinants of well-being to discover and implement lasting health solutions.

LOCALLY AND GLOBALLY, the GHI community pursues equitable and sustainable health for people, animals, and ecosystems.

**Tim Ford, Ph.D., Professor and Chair,
Department of Environmental Health Sciences,
University of Massachusetts-Amherst,
Co-chair, PAHO Foundation Technical Advisory Group**

TIM FORD HAS WORKED on water quality projects around the world, from India, Russia, and China to the Crow Reservation in Montana. Ford earned his Ph.D. in aquatic microbiology from the University of Wales and completed post doctoral training in environmental microbiology at Harvard University, where he later served as assistant then associate professor in the School of Public Health. His research has focused on making connections between waterborne contaminants and global infectious diseases. At the University of Massachusetts-Amherst, he is building a consortium for environmental health equity.



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PROGRAM

- 4:30 p.m. Registration and check-in**
Atrium
Music by Steve Meyer
- 4:45 p.m. Welcome and announcements**
Room 1306
Jonathan Patz, M.D., MPH
Director, Global Health Institute
- 5:00 p.m. Keynote address: "Global Issues in Water and Health"**
Room 1306
Tim Ford, Ph.D., Chair, Department of Environmental Health Sciences, University of Massachusetts-Amherst
Co-chair, PAHO Foundation
Technical Advisory Group
- 6:05 p.m. | 6:25 p.m. | 6:45 p.m. Concurrent oral presentations**
Room 1306:
Expanding Medical Education
Room 1309:
Pursuing Health Innovation
Room 1325:
Improving Quality of Care
Room 1335:
Advancing Well-Being
Room 1345:
Connecting Health and Environment
- 7:05 p.m. Panel Discussion: Refugees, Resettlement and Health**
Room 1306
Moderator: Karen Solheim, Ph.D., R.N.,
Clinical professor, School of Nursing
Panelists: See insert
- 8:00 p.m. Poster session and reception**
Atrium

ORAL PRESENTATIONS

Expanding Medical Education Room 1306

6:05 p.m.

“Physician identification and documentation of pediatric admission danger signs at Mbale Regional Referral Hospital: Effect of refresher training”

Kathleen Miller, M.D., Amanda Becker, M.D., Department of Pediatrics, UWHC
kmiller5@uwhealth.org

6:25 p.m.

“UW-Madison physical therapy promotes disability awareness and inclusion in Toledo District, Belize”

Amy Thieleke, Rick Geske, Christopher Chism, DPT candidates, SMPH
athieleke@wisc.edu

6:45 p.m.

“Global health fellowships: Multidisciplinary database development and program survey”

Sean Duffy, M.D., Ann Evensen, M.D., Department of Family Medicine and Community Health, SMPH
ann.evensen@uwmf.wisc.edu

UW ABBREVIATIONS:

SMPH: School of Medicine and Public Health

SVM: School of Veterinary Medicine

CALS: College of Agricultural and Life Sciences

NI: Nelson Institute for Environmental Studies

UWHC: UW Hospitals and Clinics

CoE: College of Engineering

L&S: College of Letters & Science

Pursuing Health Innovation Room 1309

6:05 p.m.

“How satellites can advance air quality and public health”

Tracey Holloway, Ph.D., Center for Sustainability and the Global Environment, NI
taholloway@wisc.edu

6:25 p.m.

“Creating a global impact on rural health”

Emily LaBorde, Shannon Egan, undergraduate students, CoE, Engineers Without Borders
ewboutreach.madison@gmail.com

6:45 p.m.

“Air pollution and health impacts of an improved cookstove intervention in the Tibetan plateau”

Alexandra Lai, M.S., Ph.D. candidate, Environmental Chemistry and Technology Program, CoE; Sierra Clark, M.S. candidate, Epidemiology, Biostatistics and Occupational Health, McGill University, and visiting researcher, Department of Civil and Environmental Engineering, CoE
amlai@wisc.edu; snclark3@wisc.edu

Improving Quality of Care Room 1325

6:05 p.m.

“Infection control in Manila, Philippines: Understanding provider perspectives with a human factors and systems engineering model”

Kaitlin Mitchell, Ph.D., MPH candidate, Department of Population Health Sciences, SMPH
kfmitchell@wisc.edu

6:25 p.m.

“Usual diet and risk of infection with multidrug-resistant organisms in Gurgaon, Haryana, India”

Shilpa Kalluru, Athavi Jeevananthan, Youhi Ghouse, M.D. candidates, SMPH
kalluru@wisc.edu; ajeevanathan@wisc.edu; yghouse@wisc.edu

6:45 p.m.

“Improving the quality of *Clostridium difficile* infection prevention and treatment in South Africa”

Laurel Legenza, PharmD, M.S., Comparative Health Systems Global Pharmacy Fellow, School of Pharmacy
legenza@wisc.edu

**Advancing Well-Being
Room 1335**

6:05 p.m.

“Empowerment and vulnerability: Experiences of women in agriculture in Northern Ghana”

Sweta Shrestha, MPH, Global Health Institute
sshrestha@wisc.edu

6:25 p.m.

“Vocal Local: A unique approach to tubal ligation in Hawassa, Ethiopia”

Mary Rysavy, M.D., Department of Obstetrics and Gynecology, SMPH
mrysavy@uwhealth.org

6:45 p.m.

“Social factors affecting immunization status of populations in border areas of Chiang Mai Province, Thailand”

Jessica Chung, MPH, M.D. candidate, SMPH
jschung2@wisc.edu

**Connecting Health and Environment
Room 1345**

6:05 p.m.

“Addressing two ecological realities impacting human health at the world’s largest tropical lake, Lake Victoria”

Jessica Corman, Ph.D., Center for Limnology, L&S
jcorman@wisc.edu

6:25 p.m.

“Does coupling incentive-based systems with legally-protected forest areas enhance human and environmental health outcomes within the global south?”

Bethany Kois, J.D., Health in Harmony
bethany@healthinharmony.org

6:45 p.m.

“Rodents as disease reservoirs: How plague is maintained in U.S. prairies”

Bieneke Bron, DVM, Ph.D. candidate, Department of Pathobiological Sciences, SVM
gbron@wisc.edu

POSTER PRESENTATIONS

“Community health assessment in Nong Ya Plong village in Phetchaburi, Thailand: Cervical cancer screening program”

Amy Zawacki, Bruce Lee, Laura McClung, M.D. candidates, SMPH
azawacki2@wisc.edu; blee236@wisc.edu; mcclung2@wisc.edu

“A study of caesarean section rate in one hospital in Jiansu province of China”

Sherry Tang, M.D. candidate, SMPH
ytang69@wisc.edu

“Mothers’ dental health practices and attitudes in Yambiro, Ecuador”

Ellen Conroy, M.D. candidate, SMPH
erconroy@wisc.edu

“Education, civil status, and previous pregnancy as social determinants of adolescent pregnancy”

Annalise Panthofer, undergraduate student, CALS
panthofer@wisc.edu

“The one health approach: Local, national, and global applications”

Laurel Myers, DVM/MPH candidate, SVM, SMPH; Dylan Bruce,
Department of Plant Pathology, CALS
lmeyers5@wisc.edu; dbruce3@wisc.edu

“Smaller amplicon sizes increases genome coverage of Zika sequenced from low viral loads”

Katie Zarbock, Wisconsin National Primate Research Center; Paola Paz
Silveira, M.S., Ph.D. candidate, Federal University of Rio de Janeiro,
Brazil
krzarbock@gmail.com; pazsilveira@wisc.edu

“Obstacles to healthcare access in a rural Guatemalan population and comparison to a Hispanic immigrant population in Madison, Wisconsin”

Mary Finta, M.D. candidate, SMPH
finta@wisc.edu

“Developing a mobile health (mHealth) application to assist community health workers in rural Guatemala with diabetes treatment”

Mark Kelly, M.D. candidate, SMPH
mmkelly@wisc.edu

“Diabetes intervention in Ban Koke Wat Moo”

Brooke Resch, M.D. candidate, SMPH
bresch@wisc.edu

“Community assessment of perceived barriers to potable water use shows cost remains a key obstacle in San Lucas Toliman, Guatemala”

Claire Baniel, M.D. candidate, SMPH
cbaniel@wisc.edu

“Predicting fruit and vegetable consumption: The role of information seeking, sources, and protection motivation”

Yan Liu, Ph.D. candidate, Department of Life Sciences
Communication, CALS
yliu287@wisc.edu

“Defining the scope of agricultural occupational injuries in Guatemala”

Kristin Hildebrandt, M.D. candidate, SMPH
kahildebrand@wisc.edu

“Resident perception of a domestic global health curriculum”

Kathleen Miller, M.D., Amanda Becker, M.D., Department of
Pediatrics, UWMC
kmiller5@uwhealth.org

“Theory to practice: Use of a collaborative theoretical model to promote healthy lifestyle behaviors in Peruvian adolescents”

Elizabeth S. Abbs, M.D. candidate, SMPH
esabbs@gmail.com

“A flood-induced health risk prediction model: Understanding and development”

Donghoon Lee, Ph.D. candidate, Civil and Environmental Engineering,
CoE
dlee298@wisc.edu

“Assessing quality and cost of Type 2 diabetes care in Podkarpacie region of Poland”

John Idso, M.D. candidate, Medical College of Wisconsin
jidso@mcw.edu

“Occupational health hazards of dairy farming in Lam Phaya Klang”

Preshita Date, M.D. candidate, SMPH
preshita.date@wisc.edu

“Water—the essence of life”

Phillip A. Bain, M.D., FACP, Department of Internal Medicine, SSM Health/ Dean Medical Group
phillip.bain@ssmhealth.com

“Promoting refugee health: A nursing guide for caring for those of Syrian descent”

Hannah Hayes, BSN, MPH candidate, SMPH
hhayes@wisc.edu

“Hearing and cognitive assessments in Rhineland study”

Natascha Merten, Ph.D. candidate, Department of Population Health Sciences, SMPH
natascha.merten@wisc.edu

“Family planning for global refugee populations: A review of current service provisions with special consideration of cultural factors”

Ailish Burns, undergraduate student, L&S; Stephanie Koning, Ph.D. candidate, Department of Population Health Sciences, SMPH
aaburns3@wisc.edu; stephanie.koning@wisc.edu

“Screening for adverse childhood experiences within pediatric patients in Rzeszów, Poland”

Cassandra Mejia, M.D. candidate, Medical College of Wisconsin
clmejia@mcw.edu

“Quantitative detection of *Schistosoma cercariae* in Lake Malawi via collection of the intermediate hosts *Bulinus globosus* and *B. nyassanus*”

Zachary Telfer, M.D. candidate, Medical College of Wisconsin
ztelfer@mcw.edu

“Population metrics as an indicator for NO₂ concentration in U.S. cities”

Alana Weir, M.Sc., Center for Sustainability and the Global Environment, NI
aw1300@my.bristol.ac.uk

“Ethics of volunteering curriculum for students by students: Development and implementation”

Jake Roble, undergraduate student, L&S; Laura Block, B.S.
jroble@wisc.edu

“Zika outbreak: A multilingual analysis of social media discourse surrounding the Zika virus and genetically engineered mosquitos”

Christopher Wirz, M.S. candidate; Jennifer Chung, M.S., Ph.D. candidate, Life Sciences Communication, CALS
cwirz@wisc.edu

*The Global Health Institute at the
University of Wisconsin-Madison is
dedicated to equitable and sustainable health for
people, animals, and
ecosystems—
across Wisconsin and the world.*

WITH THANKS

The Global Health Institute would like to thank the UW-Madison co-sponsors of the 2017 Global Health Symposium:

- Project 1808
- School of Medicine and Public Health
- School of Nursing
- School of Pharmacy
- School of Veterinary Medicine

Tim Ford's keynote address is also supported by the University Lectures Committee.

Global Health Institute University of Wisconsin-Madison

Website: ghi.wisc.edu

Email: globalhealth@ghi.wisc.edu

Central campus office

1050 Medical Sciences Center
1300 University Avenue
Madison, WI 53706
608-265-9299
608-265-9961 (FAX)

West campus office

4270B Health Sciences Learning Center
750 Highland Avenue
Madison, WI 53705-2221
608-262-3862

MARK YOUR CALENDAR

April 11: Undergraduate Global Health Field Course
Orientation (summer), 5 p.m., Room L196, School of
Education

April 18: 11th annual Nelson Institute Earth Day
Conference: Hope and Renewal in the Age of
Apocalypse, 7:30 a.m. Monona Terrace

April 20: Cracking the Case: The Flint Water Crisis and
Public Health Advocacy, 7:00 p.m., 1220 Ebling
Auditorium, Microbial Sciences Building

April 25: Climate Change, Renewable Energy and
the Future of Our Planet, 4:00 p.m., Room 1106
Mechanical Engineering

April 27: Climate Change Symposium, 3 p.m., DeLuca
Forum, Wisconsin Institutes for Discovery

April 27-29, 4W Summit on Women, Gender and
Well-being, Pyle Center

July 24-28: 2017 Quality Improvement Leadership
Institute, UW-Madison

Find these events and more at ghi.wisc.edu.



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