



CGHSR Activity Update

Jan 1 to June 30, 2018

AHC Global Health [Seed Grants](#)

In February 2018, CGHSR requested proposal for new research projects based in East Africa, Southeast Asia, and Latin America/Caribbean. The goals of these seed grants are to seed new research studies by UMN faculty from the health sciences that have strong potential to attract future funding from external sources; encourage interdisciplinary research; support new partnerships between UMN faculty and global institutions; and create a mechanism to involve students in faculty-led international research studies. In June, seven proposals were selected for funding:

- “Cardiovascular disease risk factors among transgender persons in Thailand”, PI: Ryan Demmer, UMN School of Public Health. Co-investigators: Kanokwan Kulprachakarn, Kittipan Rerkasem, and Sakaewan Ounjaijean, Chiang Mai University, Thailand.
- “Cost-effectiveness analysis of antiretroviral treatment initiation strategies in the presence of efavirenz resistance in HIV-positive individuals in Mexico”, PI: Eva Enns, UMN School of Public Health.
- “A Pilot Test of a Technology-delivered HIV Self-Testing Intervention in Kampala, Uganda”, PI: Keith Horvath, UMN School of Public Health. Co-investigators: Agnes Kiragga, Makerere University, Uganda; John Mark Bwanika and Davis Musinguzi, The Medical Concierge Group Limited, Uganda.
- “Improving primary care diagnosis and classification of dengue fever with bedside ultrasound: a pilot study”, PI: Jonathan Kirsch, UMN Medical School. Co-investigators: Lyda Osorio, Universidad del Valle, Colombia; Katie Anderson and Stephen Dunlop, UMN Medical School.
- “Comparison of the environmental characteristics associated with human Leptospirosis in Sri Lanka, Kenya, and Argentina/Uruguay”, PI: Andres Perez, UMN College of Veterinary Medicine. Co-investigators: Chandika Gamage, University of Peradeniya, Sri Lanka; Eric Fèvre, University of Liverpool, UK and International Livestock Research Institute, Kenya; Bibiana Fel Brihuega, Instituto Nacional de Tecnología Agropecuaria, Argentina; Andres Gil, Universidad de la República, Uruguay.
- “Health Navigation for Emergency Referral Coordination: A 12-month implementation study to assess impact and feasibility of a sustainable maternal health model for remote island communities of Lake Victoria, Kenya”, PI: Charles Salmen, UMN Medical School. Co-investigator: Louisa Ndunyu, Maseno University, Kenya.
- “Building the evidence base to ensure achieving UHC drives healthy ageing. A pan-Asian ageing and health data harmonization project”, PI: Beth Virnig, UMN School of Public Health. Co-investigator: Paul Kowal, Chiang Mai University, Thailand.

Global Health Needs Assessment

CGHSR conducted an online needs assessment survey to better understand the practical needs of the University community related to global health activities, particularly in East Africa, Southeast Asia, and Latin America and the Caribbean. The results of the survey will guide future strategic decisions related to services offered by CGHSR.

Members of the University of Minnesota who are currently engaged or hope to engage in global health activities were asked to complete the survey. CGHSR is working to analyze the results which will be shared.

AHC East Africa Hub

Research Training Collaborative (RTC)

A call for applications was conducted for the second cohort of the [Research Training Collaborative](#). Three student research teams were formed, comprised of students and faculty mentors from the University of Minnesota and Makerere University in Uganda. Over the next year, they will be advancing the following projects:

- One Health Team: Evaluating Seroprevalence and Risk Factors of *Toxoplasma gondii* in Uganda
- Infectious Disease Team: Development, implementation, and assessment of an antimicrobial stewardship program at a university hospital in Uganda
- Reproductive Health Team: Implementation of neonatal jaundice management among preterm newborns in selected Ugandan health facilities: a quality improvement study

RTC pilot program was presented through a poster at iComos on April 30, 2018 by Molly McCoy and Dr. Lawrence Mugisha (Makerere), with contributions by Drs. Josh Rhein (UMN) and David Meya (Makerere).

Symposium on Trauma, Addiction, and Mental Health - March 16, 2018 - Kampala, Uganda

Hosted in partnership by Makerere University Department of Psychiatry and University of Minnesota Medical School, this symposium covered the themes of research in trauma, addiction, and mental health comorbidity; interventions and the state of clinical practice in East Africa. Co-sponsorship from the African Studies Initiative at the University of Minnesota.

Other Uganda Highlights

- January 1 - 15, 2018: The UMN School of Nursing led a new global clinical course for nine students in the DNP midwifery program. Faculty leaders Missy Saftner and Maria Rudd collaboratively led the group, with additional teaching and planning provided by Makerere University faculty Tom Ngabirano. Martha Kandole (UMN Operations Manager) and Susan Nassaka (Makerere University International Student Office) provided logistical support for the students in Kampala (lodging, transport, access to clinics).
- February 1 - 15, 2018: Jim Collins, Professor, Department of Veterinary Population Medicine (VPM) met with lab stakeholders to assess capacity and discuss collaborations with partners in Kampala, including the Uganda National Health Laboratory Service and the Uganda Virological Institute.
- Thursday, May 3, 2018 | Minneapolis; Practical Experiences of Implementing One Health Zoonotic Research Using NGO Model in the Albertine Ecosystem: Linking University Research to Communities using Brucellosis and Leptospirosis Case Studies in Hoima District, South Western Uganda; Speaker: Dr. Lawrence Mugisha, Associate Professor, Department of Wildlife and Animal Resources Management, College of Veterinary Medicine, Animal Science, and Biosecurity, Makerere University
- In April and May 2018 CGHSR and GMER launched a crowdfunding campaign to support the Fund for Global Health Equity. All funds raised will be used to host a Makerere University Medical Student on a 4-6 week rotation in June 2018 in an effort to make global health experiences more equitable by supporting trainees from key partner locations to train in Minnesota. Makerere University co-sponsored this activity by providing a partial student scholarship and recruiting, vetting and selecting a student.

- On May 14, 2018 Molly McCoy conducted meetings with stakeholders at the University of Rwanda including: Dental Therapy; Midwifery (nursing); Clinical Skills Lab; School of Public Health; Office of Research; UMN Surgery faculty Jen Rickard. Primary areas of interest for further discussion: Research Training Collaborative and Seed Grants.
- The UMN House lease was renewed for another year (June 1, 2018 - May 31, 2019) and moved to the management of CGHSR. UMN students, faculty, and staff may request lodging (free of charge) at the house through the house manager Stewart Walukaga. Rooms available first come first served.

AHC Thailand/Southeast Asia Network

CGHSR continues to advance the Thailand/Southeast Asia network. Erin Mann, CGHSR Staff Lead, traveled to Thailand in March to meet with current and potential partners in Thailand, including:

- Chiang Mai University (multiple faculties, including Medicine, Nursing, Public Health, Pharmacy, and Veterinary Medicine)
- Research for Health Sciences Institute (RIHES) - Chiang Mai University
- Mahidol University, Tropical Medicine
- Thailand One Health University Network
- Armed Forces Research Institute of Medical Sciences (AFRIMS)
- Thammasat University, Faculty of Public Health
- Siriraj Medical Research Center
- Chulalongkorn University, Faculty of Veterinary Sciences
- Chulalongkorn University, Faculty of Public Health

CGHSR will continue to cultivate these relationships to support collaboration between UMN faculty / students and counterparts in Thailand and throughout Southeast Asia.

Global Health Institute (GHI) Thailand - Travel Awards

CGHSR awarded two travel awards for AHC students/residents attendance to GHI held in Chiang Mai in July 2018.

China

Human Resources Update

Yunqing (Iris) Fei joins CGHSR as Research Program Coordinator in Nanning, China, replacing Eric Chu.

AHC Global Health Seed Grants: Research in Guangxi, China

In September 2017, CGHSR and Guangxi CDC announced a request for proposal for new research projects based in Guangxi Zhuang Autonomous Region, China. The goals of these seed grants are to seed new research studies by UMN faculty from the health sciences that have strong potential to attract future federal and national funding in the US and China and will result in publication and to support partnerships between UMN faculty and Guangxi CDC researchers. In March 2018, one proposal was selected for funding:

- “A comprehensive survey to identify barriers to and facilitators of cervical cancer screening in HIV positive women in Guangxi, China”, PI: Shalini Kulasingam, UMN School of Public Health. Co-investigators: Shujia Liang and Xianwu Pang, Guangxi CDC; Deanna Teoh, UMN Medical School.

Existing projects from 2016 are wrapping up. Guisheng Song's (Medical School) project has been completed and submitted a manuscript for publication. Fang Yu's (School of Nursing) project has also submitted a manuscript for publication.

Bilateral Visits

In May and June, two Guangxi CDC visiting scholars started their three-month training at UMN. Yang Tang is working with Irina Stepanov (School of Public Health) at the Masonic Cancer Center with financial support from CGHSR. Yihong Xie is working at the Center for Animal Health and Food Safety (CAHFS) with Andres Perez (College of Veterinary Medicine), who received the inaugural Sping Lin and Ying-Ngoh T. Lin Visiting Scholars fellowship from China Center to host Yihong.

In June, two UMN students arrived in Nanning to work on Shalini Kulasingam's seed grant project. Ran Zhao (Epidemiology PhD student) and Tiffany Trinh (Community Health Promotion MPH student) will help collect data, formulate surveys, and establish relationships with local staff.

Latin America Network Update

CGHSR conducted an assessment of AHC's current collaborations and partnerships with Latin America and the Caribbean, gathering and synthesizing information from multiple sources from various UMN units (e.g. GPS Alliance, SPA, schools & colleges, etc.). The results of this guided a strategic discussion during the April CGHSR Leadership Council meeting and informed CGHSR planning for a Latin America Network. Sol Perez, CGHSR's lead for Latin America strategy, conducted an exploratory trip in June-July 2018 to meet with current and potential partners in Panama, Chile, Argentina, Uruguay and Colombia. Outcomes of these planning efforts will be reported on in the second half of 2018.

Quie & Peterson Global Health Lecture

Keynote Speaker has been secured for the second annual Quie & Peterson Global Health Lecture. Lawrence Gostin, University Professor, Georgetown University, will present *Imagining Global Health and Justice* on November 5 2018.

Student Programs & Opportunities

[Global Health Case Competition](#) - Jan 20 to Jan 27, 2018

At the UMN Global Health Case Competition, eleven teams comprised of four to six students drawing from ten UMN Schools/Colleges spent the week immersed in the case, Growing Pains: Palliative Care in Indonesia and Papua New Guinea. The winning team of six students then went on to compete at the International Global Health Case Competition at Emory University, earning earned both Second Place overall and tying for the Participants' Choice Award

[Global Health Day](#) - April 14, 2018

Global Health Day gathered students, residents, fellows, and alumni along with faculty mentors to showcase University of Minnesota global health research and education.

- Four AHC faculty presented in the Global Health Showcase

- Four students/scholars presented Oral presentations
- Fifty-four students/scholars from 9 schools/colleges presented 31 posters

Mysore, India Course - Dec 26, 2017 to Jan 15, 2018.

Nine students concluded their participation in the “India: Global Health, Globalization, and Leadership Course.”

Global Local Course

The course Global Health in a Local Context: An Experiential Course on the Social Determinants, Health Equity, and Leading Change in Minnesota was approved for a permanent course number as PubH 6713 in the SPH Division of Health Policy & Management. The fall offering will be available for both graduates students and community learners.

Global Health Student Advisory Board (GHSAB)

The 2017-2018 **GHSAB** (co-chairs Seojung Kang, College of Pharmacy and Kaylin Pennington, Medical School) hosted biweekly meetings through spring semester. The group became an approved Campus Life Program which will open up future opportunities for funding and collaboration across campus. Co-chairs presented to the CGHSR Leadership council in April to review activities for the year, discuss future faculty mentorship and proposed activities for the next academic year. Seojung and Kaylin will stay on as co-chairs for the 2018-2019 academic year.

Fogarty Global Health Fellowships

Five fellowships were awarded to support graduate students and postdocs in advancing their global health research skills and careers. Fogarty fellows and scholars train in global health research for 12 months at a proposed study site at a collaborating institution in Uganda under the mentorship of University of Minnesota and Makerere University mentor teams. Awardees for 2018-2019 are Kimberly Bonner, Scholar, School of Public Health, University of Minnesota; Ahmed Ddungu, Fellow, Infectious Disease Institute, Makerere University; Damalie Nalwanga, Scholar, School of Medicine, Makerere University; Tom Ngabirano, Scholar, Department of Nursing, College of Health Sciences, Makerere University; Teresa Piloya, Fellow, Department of Pediatrics, School of Medicine, Makerere University.

UMN Student/Scholar Participation in CGHSR Activities - Summary, Jan to June 2018

	SoD	Med	Nurs	Phar m	SPH	Vet Med	Non AHC	Total
UMN Global Health Case Competition - Jan 2018			2	3	14		36	55
Emory Global Health Case Competition - 2018					4		2	6
Mysore, India Global Health Course - Jan 2018		2			5		2	9
Global Health Day Poster and Oral presentations - April 2018		5	7	6	10	1	26	55

Global Health Student Advisory Board	1	3	2	2	3	2	0	13
Research Training Collaborative - Cohort 1 - 2017 to 2018					3	1		4
Research Training Collaborative - Cohort 2 - Formed 2018		2	1	1	2		0	6
Fogarty Global Health Fellows - 2017/2018 cohort					1			
Global Health Institute Thailand - Travel Award Recipient					1	1		

Capacity Building Projects

UN Migration Agency Project

CGHSR continues to provide project management and coordination support to the University's partnership with the United Nations Migration Agency (IOM) to build the Agency's capacity to perform health screening and health assessments for US-bound refugees (faculty lead - Dr. William Stauffer). Project highlights from January to June include:

- March 2018: UMN faculty and partners developed and led a 3-day refugee health training in Kuala Lumpur, Malaysia for IOM clinicians. The training included didactic presentations and interactive workshops on hepatitis B, aviation medicine, the US domestic resettlement process, examination of acutely ill pediatric patients, and dermatological conditions in refugees. The training also included a listening session with IOM nurses to identify potential opportunities for capacity building within the IOM nursing workforce.
- April 2018: UMN hosted 20 IOM clinicians for a week-long leadership training in Minneapolis
- May 2018: UMN faculty and partners developed and led a 2-day training in Kampala, Uganda for IOM clinicians on clinical examination. The training was the first in a series of training of trainers (ToT) designed for IOM clinician leaders to develop and improve clinical skills that they would impart to their colleagues at their mission locations. The ToT was co-led by Sarah Hoffman from the School of Nursing and Andrew Olson from Department of Medicine.
- June 2018: UMN hosted two visitors from IOM East Africa missions. These visits allowed IOM colleagues who are responsible for health care services for US-bound refugees, to meet with refugees upon arrival in the US and to network with professionals at world-class institutions.

KUMS Project

As of April 2018, CGHSR staff are providing project management and support to the University of Minnesota's partnership with Kabul University of Medical Sciences (KUMS); Project PI - Carolyn Porta. The project is funded by USAID through a subaward to UMN from FHI 360. The goal of the project is to improve the academic quality of the KUMS faculties of Midwifery, Medical Lab Technology, Dentistry, and Anesthesiology to ensure quality pre-service education that will result in a larger competent healthcare workforce of Afghan men and women. The project leverages technical expertise from faculty across the University of Minnesota and international academic

partners. UMN faculty and partners develop specialized, short-course trainings for KUMS faculty that teach in the disciplines of midwifery, dentistry, anesthesiology, and medical lab technology.

Project highlights since April include:

- UMN held a training in Mangalore, India in April for dentistry faculty; the training was developed and facilitated in collaboration with Manipal Academy of Higher Education (MAHE) in India, a key partner for the project. The topic of the short course was endodontics.
- UMN held a training in Kigali, Rwanda in May; led by UMN faculty, the training also included collaboration with the National Reference Laboratory (NRL) and the University of Rwanda (UR). Specific topics included maternity care emergencies and adult & newborn resuscitation (midwifery), safe obstetrics care (anesthesiology), and chemistry/biochemistry/PCR techniques (medical lab technology).
- A remote mentorship program was introduced and rolled out in May; the goal of the mentorship program is primarily to support KUMS faculty development and secondarily, to equip KUMS faculty as peer mentors for their KUMS colleagues.

Other Activities & Updates

May 1, 2018 | Reception at the 3rd International Conference on One Medicine One Science (iCOMOS), co-sponsored with UMN Center for Animal Health and Food Safety (CAHFS)

Global health Leadership Council

The [Global Health Leadership Council](#) is co-chaired by Katey Pelican, College of Veterinary Medicine, and Carolyn Porta, School of Nursing, with membership from all AHC schools and GPSA. The council met in February and April, and included in the discussions was Latin America strategy, USAID LASAR grant proposal, student advisory board, and CGHSR led initiatives. CGHSR continues to solicit advice from the Leadership Council for strategic and operational issues.