

2018 GLOBAL HEALTH RESEARCH SHOWCASE

PROGRAM

5 - 5:30 PM

**Opening Remarks
Recognition of Poster Awards & Photo Contest Winners**

Mary Story, PhD, RD

Associate Director for Academic Programs,
Duke Global Health Institute
Professor, Community & Family Medicine and Global Health

Christopher Plowe, MD, MPH

Director, Duke Global Health Institute
Professor, Medicine and Global Health

Megan Huchko, MD, MPH

Director, Center for Global Reproductive Health at Duke
Associate Professor, Obstetrics & Gynecology and Global Health

Sumi Ariely, PhD

Assistant Professor of the Practice, Global Health

5:30 - 7 PM

Student Poster Exhibition & Reception

POSTERS

DOCTORAL SCHOLAR

1. **Zhao Ni** – Using mHealth to Improve Medication Adherence: A Randomized Controlled Trial

MASTER OF SCIENCE IN GLOBAL HEALTH

2. **Anna Tupetz** – Spinal Cord Injuries in Bangladesh: Acute Care Management and Long-term Impact of Scarf Injuries in Female Survivors
3. **Ashley Wittmer** – Implementation of a Patient-Facing Family Health History Online Tool Using Research Assistants in Rural North Carolina
4. **Assumpta Solome Nantume** – Association Between Routine Use of Hydroxyurea and Malaria Prevalence Among Children with Sickle Cell Anemia in Homa Bay, Kenya; A Cross-Sectional Study
5. **Austin Morgan** – The Impact of a Supportive Care Hostel on Outcomes for Pediatric Cancer Patients in Tanzania
6. **Beth Eanelli** – The Impact of the We Care Solar Suitcase on the Quality of Care Health Workers Provide in The Gambia
7. **Bethany Kuerten** – Psychosocial Burden of Childhood Sickle Cell Disease on Family Members and Caregivers, Homa Bay, Kenya
8. **Courtney E. Wimberly** – Mental Well-Being in Students at University of Ruhuna Faculty of Medicine: A Cross-Sectional Study
9. **Danju Zhou** – Evaluation of Chinese Health Information Systems from the Perspective of TB Reporting and Management
10. **Emily Robie** – Exploring Anemia Etiology in the Peruvian Amazon
11. **Huipeng Liao** – Investigating Mosquitoes' Behavior for Malaria Prevention in Webuye, Western Kenya
12. **Isabelle Sico** – Assessing Safety Culture in Pediatric Hospital Units in Guatemala: A Mixed-Methods Implementation Analysis
13. **Jacob Christy** – Examining Patterns and Predictors of Diet Tracking Engagement Among Hypertensive Women
14. **Jennifer Silva-Nash** – Predictors of Depressive Symptoms and Functional Independence Among Chinese Burn Injury Patients (Duke Kunshan University)
15. **Jessica Choi** – Adapting a Novel Lateral Flow Immunoassay to Rapidly Detect *Burkholderia Pseudomallei* in Sarawak, Malaysia
16. **Jiyan Ma** – Therapeutics for Emerging Infections with Pandemic Potential: Pipeline Portfolio Review and Cost Model
17. **Juliana Zemke** – Know Thy Enemy: Expanding Arbovirus Surveillance and Diagnostic Capabilities in Sarawak, Malaysia
18. **Leah Schrumppf** – Family Planning Use in a Rural District in Ghana

19. **Loren Barcenias** – Mental Health Profiles and Drinking Patterns of Traumatic Brain Injury Patients in Moshi, Tanzania
20. **Mary Brannock** – Investigating Attitudes and Preferences of Chatbot Guides in Facebook's Social Media Platform Amongst Pregnant Women in Kenya
21. **Maya J. Stephens** – The Role of Community Health Workers in Addressing Family Planning Needs in a Rural District in Ghana
22. **Min-Kyung Kim** – Validity of a Medical Record to Measure the Quality of Obstetric Services in Rural Clinics in Greater Masaka District, Uganda
23. **Qiping Fan** – Prevalence and Risk Factors of Postpartum Depression in Two Selected MOH Areas in Sri Lanka: A Mixed-Methods Study (Duke Kunshan University)
24. **Ruoyu Hu** – Utility and Evaluation of MeTree for Family Health History Collection in Sri Lanka
25. **Sahar Almarzooqi** – Evaluating a Peer-Led HIV Curriculum Among Tanzanian Youth with HIV
26. **Taylor Wall** – Identity Role Shifts Experienced by Lay Counselors Providing a Family-Based Therapy in Eldoret, Kenya
27. **Tra T Tran** – Assessing the Perceived Impact of North Carolina Art Therapy Institute's Newcomers Art Therapy Program
28. **Xiaoqian Liu** – Positive Mental Health Status of Orphans and Vulnerable Children Caregivers
29. **Xiaoxu Ding** – Fidelity of Caregiver and Non-Specialist Early Intervention Implementation for Autism Spectrum Disorder in South Africa
30. **Xinlu Zhao** – The Role of Diet in Life of Lumbee Indian in North Carolina

STUDENT RESEARCH TRAINING PROGRAM

31. **Anu Sharma, Melany Puente, Srinath Soundararajan, Daniel Kwon** – Assessing the Impact of Water Contamination and Air Pollution in Indigenous Maya Households on Lake Atitlan
32. **Dahila Chacon, Yesha Desai, Miranda Metz, Hemal Patel** – iCare in Roatan, Honduras: Assessing Risk Factors of Poor Vision in School-Aged Children
33. **John Bollinger** – Antimicrobial Use, Overuse, and Resistance in Rural Uganda: Health Provider Perceptions and Practices
34. **Leila Milanfar, Tanmayi Vashist** – Implementation of Family Health History Software in Rural North Carolina
35. **Niisoja Torto** – Is Knowledge Power? Examining Barriers and Entry Points to Reduction in Cardiovascular Disease Risk in Rural Uganda
36. **Shagun Vashisth, Deepti Agnihotri, Radhika Srivastava** – Trauma, Anxiety, and Depression Outcomes in Caregivers of Orphaned and Separated Children
37. **Shyam Pradheep, Stephanie Jaffe, Pheobe Kilburi** – Addressing Access to Sexual and Reproductive Health Information and Contraceptives in Kenya
38. **Tiffany Jiang** – Effectiveness of Behavioral-Educational Intervention Regarding Water and Sanitation in Naama, Uganda
39. **Yannet Daniel, Diana Zabala** – Contraceptive Use and Side Effect Experience of Women in Rural Uganda

UNDERGRADUATE GLOBAL HEALTH RESEARCH

40. **Adam Bullock** – Breast and Cervical Cancer Screenings: Patient Navigation at Lincoln Community Health Center
41. **Ellen Pasquale** – Systematic Observation of a Community-Based Physical Activity Program to Treat Childhood Obesity
42. **Vincenzo Malo** – Gender Role Perceptions and Mental Health Outcomes: An Exploratory Analysis in Camasca, Honduras

BASS CONNECTIONS IN GLOBAL HEALTH

43. **Ajile Owens, Lisa Regula, Ryan Fitzgerald** – How Do People Affect Zoonotic Disease Transmission in Madagascar?
44. **Axel Berky, Emily Robie, Emma Palmer, Eliza Letourneau** – Evaluation of Anemia and Exposure to Heavy Metals in Madre de Dios (MDD), Peru
45. **Caleigh Smith, Grace Cai, Olivia Ratliff** – Understanding and Addressing Cultural and Practical Barriers to Epilepsy Care in Uganda: An Ongoing Study
46. **Cherie Conley, Sarah McMahon, Jeremy Yi, Amy Zhao** – Increasing Physical Activity in the Duke and Durham Community
47. **David Chen, Jessica Choi, Gina Kovalik, Karen Lin, Julie Zemke** – Anticipating the Next Pandemic Threat at the Human-Animal Interface in Sarawak, Malaysia
48. **Deepti Agnihotri, Isabelle Doan, Gloria Hong, Alexandria Hurley, Athina Vrosgou** – Increasing Patient Ambulation at Duke University Hospital Using Student Volunteers
49. **Olivia McKinney, Diana Zabala, Lillian Zhu, Ryan Fitzgerald** – Cervical Cancer Care in Peru: Leveraging the Pocket Colposcope to Reduce Loss to Follow Up
50. **Sahil Sandhu, Lillian Blanchard, Veronica Sotelo Munoz, Jackie Xu** – Help Desk: A Student-Led Initiative to Address Social Determinants of Health in Durham, NC
51. **Saumya Sao, Melanie Lai Wai** – A Novel Application to Facilitate Greater Utilization of the DHS to Characterize Women's Contraceptive Trajectories
52. **Thuy-Linh Bui, Alison Huang, Robert Steilberg, Matthew Tribby, Kathryn Watkins, Steven Yang** – mVax: An Android App for Vaccination Data Management in Honduras