## 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


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


8. Courtney E. Wimberly – Mental Well-Being in Students at University of Ruhuna Faculty of Medicine: A Cross-Sectional Study


10. Emily Robbie – 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


15. Jessica Choi – Adapting a Novel Lateral Flow Immunoassay to Rapidly Detect Burkholderia Pseudomallei in Sarawak, Malaysia


17. Juliana Zemke – Know Thy Enemy: Expanding Arbovirus Surveillance and Diagnostic Capabilities in Sarawak, Malaysia

18. Leah Schrumpf – Family Planning Use in a Rural District in Ghana
19. Loren Barcenas – 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


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. Xiaoxu Ding – Fidelity of Caregiver and Non-Specialist Early Intervention Implementation for Autism Spectrum Disorder in South Africa

29. Xueqian Liu – Positive Mental Health Status of Orphans and Vulnerable Children Caregivers

30. Xinlu Zhao – The Role of Diet in Life of Lumbee Indian in North Carolina

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. Dahlia 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. Niissoja Torto – Is Knowledge Power? Examining Barriers and Entry Points to Reduction in Cardiovascular Disease Risk in Rural Uganda

36. Ay NW Oray – How Do People Affect Zoonotic Disease Transmission in Madagascar?

37. meio, marla, laura, kate – 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 Camasco, Honduras

BASS CONNECTIONS IN GLOBAL HEALTH

43. Ajille 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. Caileigh 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


49. Olivia McKinney, Diana Zapala, 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