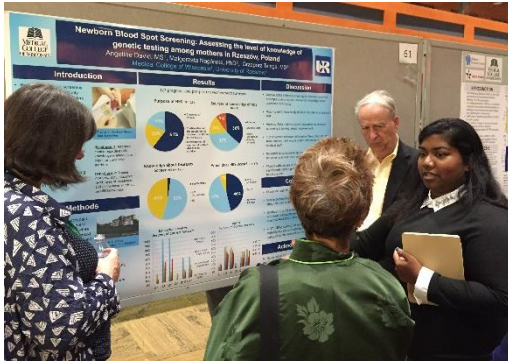


# Dr. Elaine Kohler Summer Academy of Global Health Research Scholars

Summer 2015

## Angeline David



Rzeszow University, Poland

Faculty: Grzegorz Telega, MD, Associate Professor Pediatrics

Study: Newborn Blood Spot Screening: Assessing the level of knowledge of genetic testing among mothers in Rzeszow, Poland

Purpose: The aims of this study are to assess the knowledge gap regarding newborn blood spot screenings in an urban community in Poland with a questionnaire. This will help to identify what measures can be put into place to meet the needs of patients regarding knowledge about newborn screenings.

## Meredith Buck



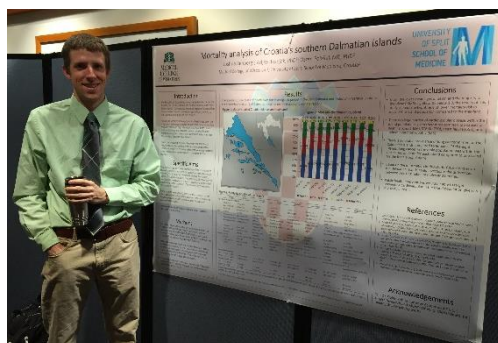
FUNDA SALVA, El Salvador

Faculty: Julia Dickson-Gomez, PhD, Professor Psychiatry, Center for AIDS Intervention Research

Study: Newborn Blood Spot Screening: Combination HIV prevention strategy implementation in El Salvador: perceived barriers and adaptations reported by outreach educators and supervisors

Purpose: This project specifically examines barriers that educators face in implementing the peer education as designed, how these differ among the subpopulations, and adaptations made as a result.

## Joshua Rehberg



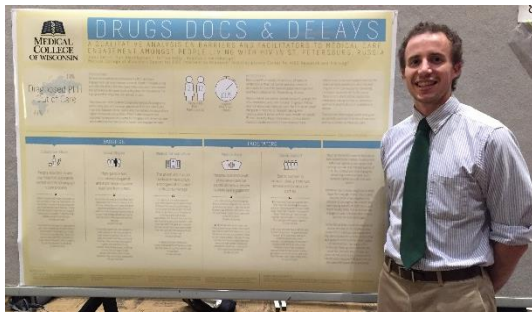
Centre for Global Health, Medical School, University of Split, Croatia

Faculty: Zeljko Bosnjak, PhD, Professor Anesthesiology and Ozren Polasek, MD, PhD, Professor of Public Health and Medicine, University of Split, Croatia

Study: Mortality analysis of Croatia's southern Dalmatian islands

Purpose: Specifically, this study aimed to create mortality profiles for the Dalmatian islands of Brač, Hvar, Korčula, Lastovo, Mljet, Šolta, and Vis, and the peninsula of Pelješac, which effectively serves as an island given its isolated geography.

## Jaron Smith



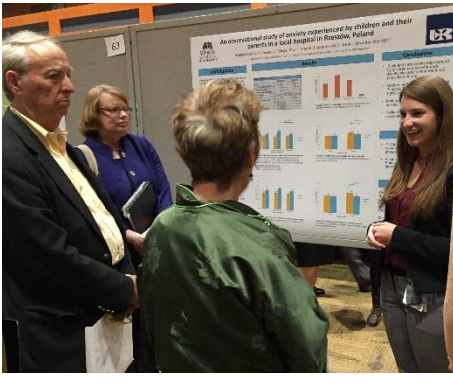
Botkin Hospital, Russia

Faculty: Yuri Amirkhanian, PhD, Professor, and Jeffrey A. Kelly, PhD, Professor, Department of Psychiatry and Behavioral Medicine

Study: Drugs, Docs, and Delays: A qualitative analysis on barriers and facilitators to medical care engagement amongst People Living with HIV in St. Petersburg, Russia

Purpose: Identify common factors that assisted them in engaging in medical care and following their medication regimens, obstacles that prevented them from doing so in the past and currently.

## Ashley Jacobson



Rzeszow University, Poland

Faculty: Amy L. Drendel, DO, MS, Associate Professor of Pediatrics; Emergency Medicine, Grzegorz Telega, MD, Associate Professor of Pediatrics, Program Director of Liver Transplant Hepatology

Study: An observational study of anxiety experienced by children and their parents in a local hospital in Rzeszów, Poland

Purpose: 1) describe the state anxiety of children and their parents in the pediatric Emergency (ED), General Pediatric, and Orthopedic Departments; 2) evaluate characteristics associated with high state anxiety; and 3) assess the relationship between anxiety and pain.

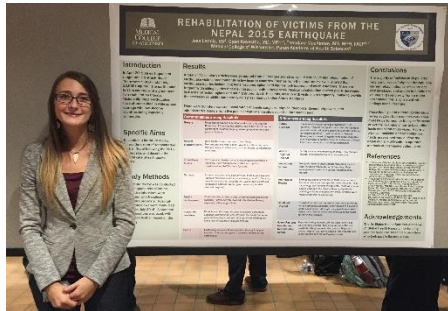
## Jesa Landis

International Organization: Patan Hospital, Nepal

Faculty: Ted MacKinney, MD, MPH, FACP, Associate Professor Medicine

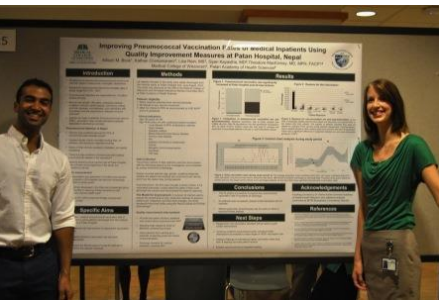
Study: Physical Rehabilitation of Victims from the Nepal 2015 Earthquake

Purpose: To summarize the extent of rehabilitation services that were offered in Nepal following the earthquake, and to qualitatively describe the general care of earthquake victims including: patient characteristics, innovations to rehabilitation care, family involvement in rehabilitation, barriers to care, and impact on providers.



## Summer 2014

## Allison Bock



International Organization: Patan Academy of Health Sciences, Nepal

Faculty: Dr. Theodore MacKinney

Study: Improving pneumococcal vaccination of medical inpatients using quality improvement measures at Patan Hospital, Nepal

Purpose: The purpose of the study is to measure the baseline pneumococcal vaccination rate of qualifying adult patients discharged from the medical wards and assess reasons for non-vaccination.

## Kathan Chintamaneni

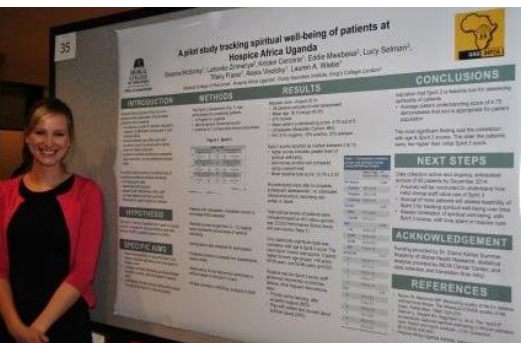
International Organization: Patan Academy of Health Sciences, Nepal

Faculty: Dr. Theodore MacKinney

Study: A Trial of Quality Improvement Processes in Outpatient Diabetes Care at Patan Hospital, Nepal

Purpose: The purpose of the QI study is to increase compliance with current quantitative proteinuria testing guidelines set forth by the American Diabetes Association and the UK National Institute for Health and Care Excellence

## Brianna McSorley



Hospice Africa Uganda, Uganda

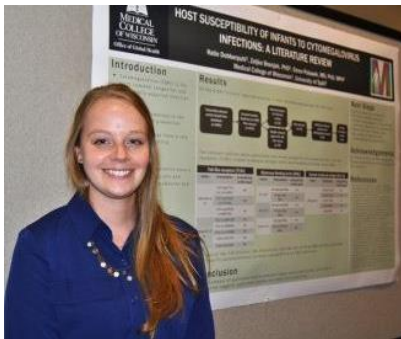
Faculty: Dr. Lauren Wiebe

Study: A Pilot Study Tracking Spiritual Well-Being of Patients at Hospice Africa Uganda

Purpose: The purpose of the study is to assess the feasibility of using the Spirit 3 for tracking spiritual well-being over time spent in hospice care, assess if participation in hospice care would improve patients' average state of spiritual well-being and to understand how the clinical staff at Hospice Africa Uganda valued the use of the Spirit 3 in clinical practice.



**Katie Dobberpuhl**

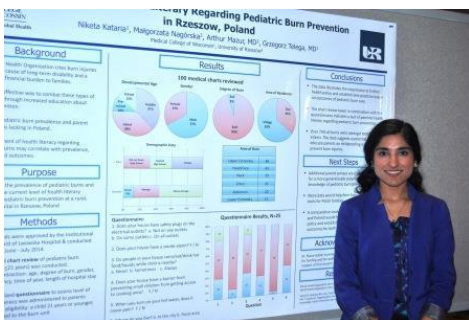


International Organization: University of Split, Croatia  
Faculty: Dr. Zeljko Bosnjak

Study: Host Susceptibility of Infants to Cytomegalovirus Infections: A literature review

Purpose: The purpose of the study was to conduct a systematic review aiming to identify genetic polymorphisms that may be responsible for increased susceptibility of cytomegalovirus to newborns and fetuses.

**Niketa Kataria**

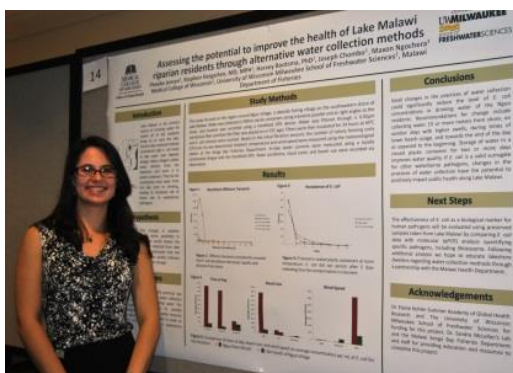


International Organization: University of Rzeszow, Poland  
Faculty: Dr. Grzegorz Telega

Study: Evaluation of Health Literacy Regarding Pediatric Burn Prevention in Rzeszow, Poland

Purpose: The purpose of the study is to measure health literacy regarding pediatric burns, a standardized questionnaire is applied to assess understanding of prevention (childproofing), to estimate prevalence of burns in the referral area, and to determine if measures of health literacy correlate with severity and outcomes of burns.

**Phoebe Jensen**

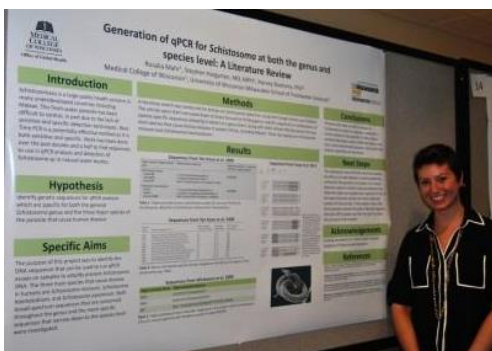


Malawi Health Department

Faculty: Dr. Stephen Hargarten and Dr. Harvey Bootsma, Associate Professor, School of Freshwater Sciences, University of Wisconsin - Milwaukee  
Study: Assessing the potential to improve the health of Lake Malawi riparian residents through alternative water collection methods

Purpose: Identify practical, low-cost changes in daily methods of water collection that would lead to cleaner water and to be able to provide recommendations to residents and water resource managers about how to collect water in order to reduce the risk of illness due to waterborne pathogens.

**Rosalia Mahr**



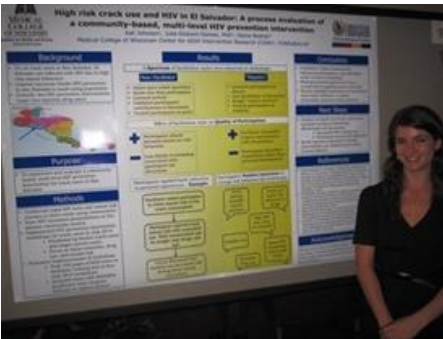
Malawi Health Department

Faculty: Dr. Stephen Hargarten and Dr. Harvey Bootsma, Associate Professor, School of Freshwater Sciences, University of Wisconsin - Milwaukee  
Study: Generation of qPCR for Schistosomiasis at both a genus and species level: A Literature Review

Purpose: Identify the DNA sequences that can be used to run qPCR assays on samples to amplify present *Schistosoma* DNA. Both broad-spectrum sequences that are conserved throughout the genus and the more specific sequences that narrow down to the species level will be investigated.

## Summer 2013

### Kali Johnson

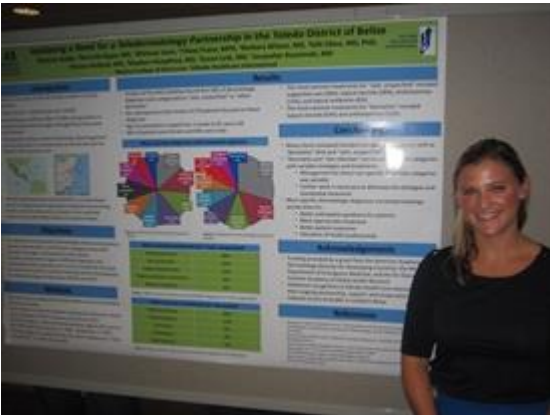


FundaSalva (Government agency for drug prevention and control), El Salvador  
Faculty: Dr. Julia Dickson-Gomez

Study: High risk crack use and HIV in El Salvador: A process evaluation of a community-based, multi-level HIV prevention intervention

Purpose: The purpose of this study was to implement and evaluate a community-based, multi-level HIV prevention intervention for crack users in San Salvador

### Melanie Bobbs



Hillside Healthcare International, Belize

Faculty: Dr. Jacquelyn Kuzminski

Study: Validating a Need for a Teledermatology Partnership in the Toledo District of Belize

Purpose: To characterize and quantify dermatologic disease presentation, patient characteristics, and disease management by HHCI providers through a retrospective chart review. To better characterize vague or difficult diagnoses and understand where specialty care can be considered and used. To assess the need for a teledermatology partnership between the Medical College of Wisconsin (MCW) and HHCI.

### Holly Haberman and Susan Good



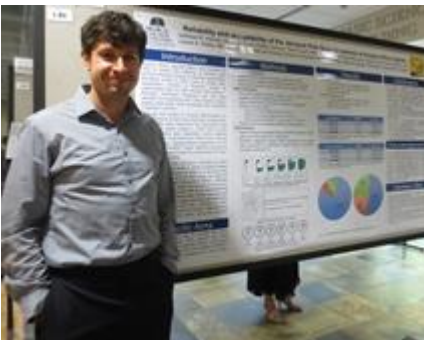
Yantalo Peru Foundation, Peru

Faculty: Drs. Paula North & Sue Kehl

Study: Intervention Development: A Review of Medicinal Plants and Common Pesticides Used in the Alto Mayo Region of Peru

Purpose: The goal of this intervention development is to identify commonly used medicinal plants in order to sample them for potential contamination, and to identify commonly used pesticides in the region

### Bryan Johnston



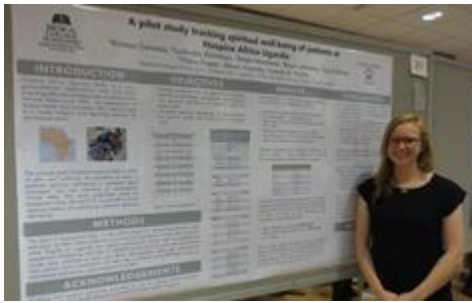
International Organization: Hospice Africa Uganda, Uganda

Faculty: Dr. Lauren Wiebe

Study: Reliability and acceptability of the Jerrycan Pain Scale for patients at Hospice Africa Uganda

Purpose: The purpose was to validate the novel Jerrycan Pain Scale (JPS) against two more commonly used and validated scales, a numerical hand scale (NHS) and the Wong-Baker FACES™ (WBF) scale. Patient preference for pain scales was also investigated.

**Kristen Cercone**



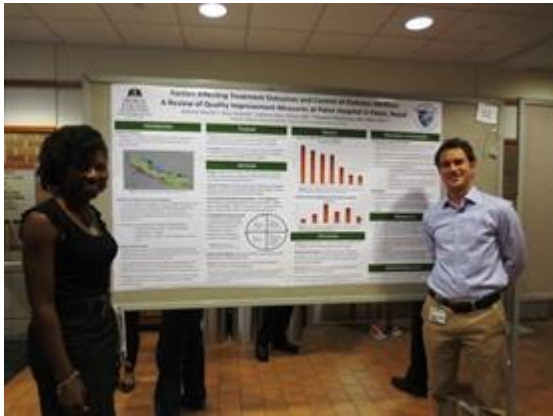
Hospice Africa Uganda, Uganda

Faculty: Dr. Lauren Wiebe

Study: A pilot study tracking spiritual well-being of patients at Hospice Africa Uganda

Purpose: The purpose was to provide evidence that the Spirit 8 is a feasible tool for longitudinal, quantitative monitoring of the spiritual well-being of patients cared for within HAU and to correlate spiritual well-being as demonstrated by Spirit 8 scores, with time spent on hospice care.

**Andrew Mueller and Amy Otuonye**



Patan Academy of Health Sciences, Nepal

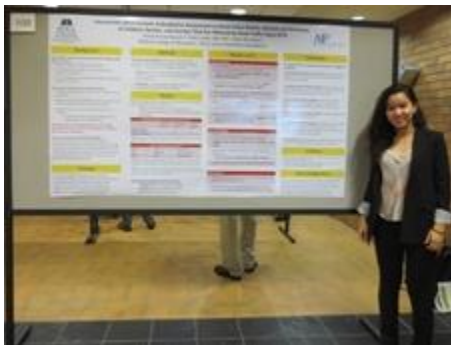
Faculty: Dr. Theodore MacKinney

Study: Factors Affecting Treatment Outcomes and Control of Diabetes Mellitus: A Review of Quality Improvement Measures at Patan Hospital in Patan, Nepal

Purpose: The primary purpose is to assess the current treatment outcomes and control of diabetes mellitus in patients seen at Patan Hospital. Outcomes include regular check-ups, tests, and exams. The secondary purpose is the introduction of the concept of QI to the faculty, residents, interns, and medical students of Patan Hospital and Patan Academy of Health Science.

**Summer 2012**

**Giang (Natalie) Nguyen**



Asian Injury Prevention

Foundation, Vietnam

Faculty: Dr. Peter Layde

Study: Intervention Development: A Qualitative Assessment on Road Safety Beliefs, Attitude and Behaviors of Children, Parents, and Families That Are Affected by Road Traffic Injury (RTI)

Purpose: The purpose of this intervention development project is to capture stories of Southern Vietnamese children, parents and family members that were recently affected by road traffic injury.

**Dustin Hansen and Ketan Nadkarni**



FundaSalva (Government agency for drug prevention and control), El Salvador

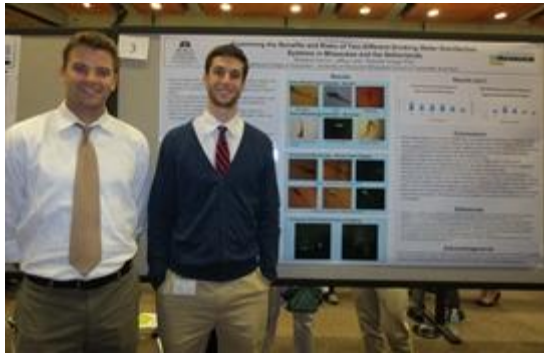
Faculty: Drs. Julia Dickson-Gomez and Andy Petroll

Study: High Risk Crack Use Settings in El Salvador: A community-based, multi-level HIV prevention intervention

Purpose: The purpose of this study is to gather preliminary data regarding patients who have entered HIV treatment to determine what factors are associated with poor adherence or failure to remain in medical care for HIV.



**Jeff Lurie and Ben Carron**



UW-Milwaukee School of Fresh Water Sciences and the WATER Institute International Organization: Water Authority of the Netherlands, Netherlands

Faculty: Drs. Michael Carvan and David Garman

Study: Examining the benefits and risks of two different drinking water disinfectant systems in Milwaukee and in the Netherlands

Purpose: The purpose of this multidisciplinary study is to examine the advantages and disadvantages of each system as a guide for implementing long-term water purification systems in the developing world.

**Kathleen Hannan**



Hospice Africa Uganda, Uganda

Faculty: Dr. Lauren Wiebe

Study: An analysis of the jerrycan pain scale for patients at Hospice Africa Uganda

Purpose: The purpose was to validate the novel jerrycan pain scale against the two more commonly used scales: the Wong-Baker FACES™ and a Likert numerical hand scale, in addition the clinician's observation. The team also sought to determine patient preference among the various pain scales.

**Summer 2012**

**Van Nguyen**



Asian Injury Prevention Foundation, Vietnam

Faculty: Dr. Peter Layde

Study: An Assessment of the "Helmets for Kids" Program in Vietnam

Purpose: The purpose of this study is to analyze the effectiveness of AIP's multifaceted Helmets for Kids program in increasing helmet use among children in Vietnam.

**Laura Miller**



Sixteenth Street Community Health Center Environmental Health Division; University of Wisconsin-Milwaukee Great Lakes Water Institute

Faculty: [Dr. Stephen Hergarten](#)

Study: Stormwater Runoff, Contamination of Recreational Waters, and the Risk of Waterborne Illness in Milwaukee

Purpose: summarize the public health implication of contaminated recreational water in Milwaukee, how fecal contamination occurs, and what local organizations are doing to address this problem. This was achieved by means of a literature review, key informant interviews, and a case study of the Kinnickinnic River watershed.

**Sebastian Price**



International Learning Center of Neighborhood House of Milwaukee  
and Zhejiang University School of Public Health Hangzhou, China

Faculty: Dr. Stephen Hargarten

Study: Relationship between the age of menarche and later adult body  
composition & metabolic risk factors

Purpose: review the first wave of a newly formed database of Chinese health  
information.