

Yale SCHOOL OF PUBLIC HEALTH
Epidemiology of Microbial Diseases

**5th Annual EMD Research Day
Symposium**

***Research Presentations of MPH and
Pre-doctoral Students, and
Post-doctoral Scholars***

April 29, 2019
Yale Peabody Museum of Natural History
David Friend Hall
170 Whitney Avenue, New Haven, CT
12 – 5 PM

Schedule of Events

12:00 – 12:45 PM

Poster Session A and Lunch

1:00 – 2:30 PM

Oral Presentations

Ernest Asare – “Modeling of Rotavirus Transmission Dynamics and Impact of Vaccination in Ghana”

Tyler Johnson

“Effect of Routine TB Education and Counseling on TB Knowledge Among Patients with Active TB in Kampala, Uganda”

Dasha Pokutnaya

“Dynamics of Pathogen Co-infection and Rickettsia Endosymbiont Activity in Blacklegged Tick (Acari: Ixodidae) in Connecticut”

Savanah Russ

“Geospatial Analysis of High Grade Cervical Lesions to Address Health Disparities”

Vincent DiMassa

“The Indirect Influence of the Intestinal Microbiota on the Absorption and Metabolism of Medical Drugs”

Kayoko Shioda – “Evaluation of the Impact of Pneumococcal Conjugate Vaccines on Childhood Mortality due to Pneumonia in Latin American Countries”

2:45 – 3:30 PM

Poster Session B and Refreshments

3:45 – 4:45 PM

Panel Discussion on ‘Vaccine Hesitancy’

Panelists:

Linda Niccolai, PhD

Professor of Epidemiology (Microbial Diseases); Director, HPV Working Group at Yale; Co-Director, CT Emerging Infections Program at Yale

Jason Schwartz, PhD

Assistant Professor of Public Health (Health Policy), Assistant Professor in the History of Medicine, and Assistant Professor in the Institution for Social and Policy Studies

Daniel Weinberger, PhD

Associate Professor of Epidemiology (Microbial Diseases)

4:45 – 5:00 PM

Closing Ceremony

Posters-Session A

MPH Students

Kaylen Brzozowski – "Safety of Outpatient Parenteral Antimicrobial Therapy in Older versus Younger Adults"

Tammy Chen – "Functional Implications of Genetic Variation in *Plasmodium Falciparum* Vaccine Candidate VAR2CSA"

Allison Cheung – "Persistence of Ebola Virus in Survivors & Risks of Sexual Transmission: A Systematic Review"

Natalee Desotell – "Spatiotemporal Investigation of Opioid-Involved Fatalities in Connecticut, 2009-2017"

Drew Dickinson – "Quantifying Influenza Exposure within California Hospitals and Nursing Homes Using Administrative Data"

Libby DiDomizio – "The Co-Infection of HIV and Syphilis Among Men Who Have Sex with Men in Kuala Lumpur, Malaysia"

Scott Espich – "Seroprevalence of *Borrelia burgdorferi* and *Babesia microti* Over Three Decades on Block Island, RI"

Amelia Hanron – "Using Host Response for Respiratory Virus Discovery and Surveillance"

Alfred Jiang – Identifying Interactions Between Chikungunya Virus and *Aedes Aegypti* Salivary Gland Proteins

Justin Jones – "Intensive Case Finding for Tuberculosis & HIV Integrated with Non-Communicable Diseases"

Paulina Kaminski – "A Review on Over-Prescription and Improving Antibiotic Stewardship in the United States"

Yuet Ha Lai – "The Role of Lig Proteins on the Immunity against Leptospirosis"

Giyong Lee – "Predictors of Incomplete Evaluation Among Pediatric Household Contacts of Pulmonary Tuberculosis Patients in Kampala, Uganda: A Secondary Analysis"

Connie Li – "Association Between Engagement in a Community-based Home Visitation Program and Birth Spacing of First and Second Children"

Yijie Li – "The Estimation of Age, Period and Cohort Effects for Lung Cancer"

Zongbo Li – "Cost-effectiveness Analysis of School Closure in Influenza Pandemic"

Pre-doctoral Students

Kelsie Cassell – "Estimating True Burden of Legionnaires' Disease in CT"

Maile Phillips – "A Bayesian Approach for Estimating Typhoid Fever Incidence from Passive Surveillance Data"

Posters-Session B

MPH Students

Natalie Olson – “The Prevalence of Asymptomatic *Plasmodium falciparum* Malaria among School-age Children in Kumasi, Ghana”

Miguel Paredes – “Evaluating the Effect of the Urban-Rural Divide and of Distance on Diagnostic Delay and Cutaneous Leishmaniasis Severity in southwest Colombia 2012-2018”

Carolyn Park – “Quantifying the Burden of Contact Precautions of Carbapenem-resistant Enterobacteriaceae (CRE) in Hospital Settings”

Shardul Rathod – “Evaluating *Clostridioides difficile* Infection (CDI) Risk Factors by Comparing the Use of Piperacillin/Tazobactam, Cefepime, and Ceftazidime”

Alyssa Robinson – “LTBI Cascade of Care”

Kang Shen – “Time Series Analysis for Effect of Vaccines on Pneumonia or Gastrointestinal Disorders in Brazil”

Lena Marie Tayo – “Analysis of Entomological Surveillance Data to Predict Human West Nile Virus Cases in Connecticut”

Nicole Torigian – “Laboratory Confirmed Influenza-related Hospitalizations Associated with Census Tract Level Socioeconomic Status and Crowding: New Haven and Middlesex Counties, Connecticut, 2013-2018”

Jacqueline Tremblay – “Substance Use Among Incarcerated Individuals Living with HIV in Jakarta, Indonesia”

Azan Virji – “Average Time to Negativity of New Alere Ultra-sensitive Rapid Diagnostic Test After Treatment for Malaria”

Sydney Wade – “Case-Control Investigations to Identify Risk Factors for Guillain-Barre Syndrome following Zika Virus Infection”

Aleksandra Wrona – “Prion Epidemiology and the National Prion Disease Pathology Surveillance Center’s Experience with RT-QuIC”

Anthony Yakely – “State Vaccination Policies and Coverage for Adolescent Vaccines in the United States, 2017”

Mike Yepes – “Declines in Human Papillomavirus (HPV) Associated High-Grade Cervical Neoplasia After Introduction of HPV Vaccines in Connecticut, United States 2008-2017”

Ryan Yucha – “Determining the Effect Displacement has on HIV Prevalence Among Displaced People, a Scoping Review”

Pre-doctoral Student

Zhe Zheng – “One Health Insights to Prevent the Next HxNy Viral Outbreak: Learning from the Epidemiology of H7N9”

Post-doctoral Scholars

Joseph McMillan – Does Species Diversity Matter? Evaluating the Relationship between Mosquito Species Diversity and Arbovirus Transmission in the Northeast United States

EMD Research Day Planning Committee

Linda Niccolai, Brian Weiss, Pooja Rana, Taylor Eisenstein, Savannah Russ, Natalee Desotell, Elizabeth White, Kimberly Rogers

