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 Endosymbiotic 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

**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


**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”

**Giyoung 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”

**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, Ceftazidime, and Ceftriaxone”
- **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 Alerc 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**

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**EMD Research Day Planning Committee**
Linda Niccolai, Brian Weiss, Pooja Rana, Taylor Eisenstein, Savanah Russ, Natalee Desotell, Elizabeth White, Kimberly Rogers