
2. **Use of Microbial Larviciding to Reduce Prevalence of Malaria Infection in Dar es Salaam, United Republic of Tanzania** (Mathieu Maheu-Giroux, Doctoral Student, Global Health and Population)

3. **Targeting imperfect vaccines against drug-resistant strains: a strategy for countering the rise of drug resistance** (Regina Joice, Doctoral Student, Epidemiology)


5. **Penicillin Binding Proteins and β-Lactam Resistance in Streptococcus pneumonia** (Patrick Mitchell, Masters Student, Epidemiology)

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7. **Genotyping identifies changing population dynamics of Plasmodium falciparum infections and reveals shift to clonal infections following enhanced transmission-reducing interventions in Thiès, Senegal** (Rachel Daniels, Doctoral Student, Biological and Biomedical Sciences)

8. **First trimester exposure to antiretroviral therapy and risk of birth defects among infants born to HIV-infected women on the Tennessee Medicaid Program** (Kele Phiri, Doctoral Student, Epidemiology)
In Memoriam

Jonathan Freeman was a faculty member at the Harvard School of Public Health from 1990 until his death in May 2000. This symposium honors his many contributions to the Department of Epidemiology and the Infectious Disease Epidemiology program that has evolved since his time here.

Instrumental in creating and leading the interdisciplinary concentration in infectious diseases here at the School, he taught and designed courses on the investigation of infectious disease outbreaks and on the transmission dynamics of infectious diseases — promoting an active interest in infectious disease epidemiology during a period in which it was not in vogue.

As a faculty member at Harvard Medical School, he practiced infectious disease medicine at Boston City Hospital (now Boston Medical Center), Brigham and Women’s Hospital, and the West Roxbury VA. He was an active member of the Society for Healthcare Epidemiology of America, where he taught a famously rigorous course on epidemiological principles for hospital epidemiologists. His research interests included hospital acquired infections, tuberculosis and malaria.

Today we celebrate Jonathan Freeman and his impact within the Infectious Diseases Epidemiology community with brief talks on ongoing research by current students and postdocs, followed by a poster session highlighting research at the School and elsewhere.

Agenda

1:00 PM  Opening Remarks by Dr. George Seage, Professor of Epidemiology, Director, ID-Epi interdisciplinary concentration

1:05 PM  Xeno Acharya, Doctoral Student, Department of Epidemiology / Roshani Dahal, Research Project Coordinator, Brown University - Urban Poor Patients In Directly Observed Therapy For Treatment Of Tuberculosis In Kathmandu, Nepal

1:25 PM  Reza Yasoubi - Post-doctoral Fellow, Center for Communicable Disease Dynamics - Identifying efficient dynamic tuberculosis case-finding policies for HIV/TB co-epidemics

1:45 PM  Ellen Caniglia - Doctoral Student, Department of Epidemiology - The effect of antiretroviral penetration to the Central Nervous System on the incidence of AIDS-defining neurological conditions in a prospective observational study

2:05 PM  Julia W. Wu - Doctoral Student, Department of Epidemiology - Long-term consequences of the emergence of drug-resistance mutations among patients on first-line HAART at two sentinel sites in China

2:25-2:40 BREAK — Coffee and tea

2:40 PM  Nadia Abuelezam - Doctoral Student, Department of Epidemiology - Review and Evaluation of Agent-based Models of HIV Transmission and Prevention

3:00 PM  Daniel Larremore - Post Doctoral Fellow, Center for Communicable Disease Dynamics - Complex network structures within the highly recombinant var genes of P. falciparum

3:20 PM  Nicholas Croucher - Post Doctoral Fellow, Center for Communicable Disease Dynamics - Population genomics of post-vaccine changes in pneumococcal epidemiology

3:40 PM  Elena Naumova – Associate Dean for Research, Professor, Tufts University School of Engineering - Using visual analytics for understanding seasonality of diseases

4:00-6:00  POSTER SESSION and RECEPTION  in FXB Atrium
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