



CENTER FOR
INFERENCE & DYNAMICS
OF INFECTIOUS DISEASES

Issue #5 | November 2015

Welcome to the November 2015 edition of the MIDAS CIDID Newsletter.
This is where you can find Center-wide updates, along with relevant news
and highlights.



CIDID Website



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UPCOMING EVENTS



CIDID Seminar: Pelton Auditorium, FHCRC
December 11, 2015, 10:30am - 11:30am
*"Scalable and biologically realistic
methods for inferring selective pressures
from molecular sequence data"*

Speaker: Sergei Kosakovsky Pond

Download flyer: [\[pdf\]](#)

The next Summer Institute in Statistics and
Modeling in Infectious Diseases (SISMID)
takes place July 11-27, 2016, in Seattle.



Registration and scholarship applications will open in early December 2015. Click [here](#) for a draft schedule.

RECENT PUBLICATIONS

The role of influenza in the epidemiology of pneumonia, *Nature Scientific Reports* [[pdf](#)]

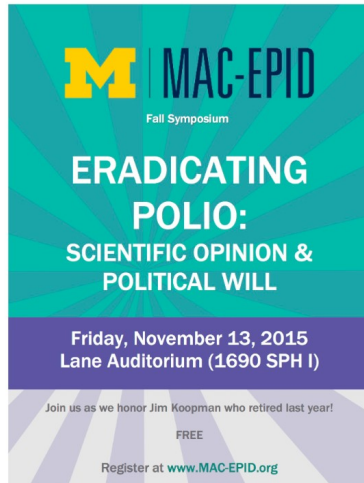
Cholera Outbreak in Grande Comore: 1998–1999, *The American Journal of Tropical Medicine and Hygiene* [[pdf](#)]

Quantifying and mitigating the effect of preferential sampling on phylodynamic inference, *arXiv* [[pdf](#)]

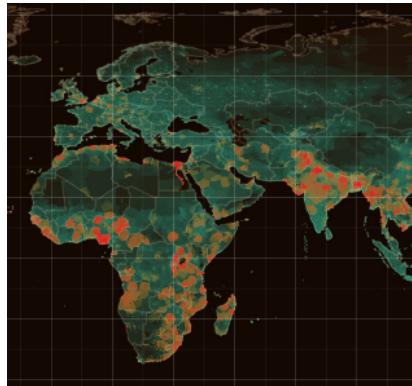
Prediction, dynamics, and visualization of antigenic phenotypes of seasonal influenza viruses, *arXiv* [[pdf](#)]

NEWS

Jim Koopman was honored at the symposium on "Eradicating Polio: Scientific Opinion & Political Will", hosted by the University of Michigan Center for Molecular and Clinical Epidemiology of Infectious Diseases (MAC-EPID), on November 13, 2015. In addition to Jim Koopman, speakers included John Modlin (Bill & Melinda Gates Foundation), Mike Famulare (Institute for Disease Modeling), and Yvonne Maldonado (Stanford University). [[Agenda](#)]



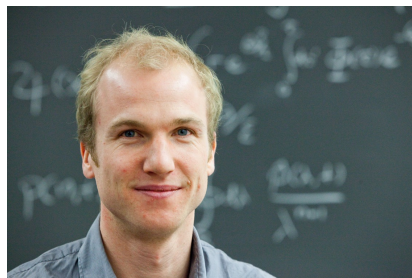
[mac-epid](http://mac-epid.org)



The future of fighting pandemics:
Alex Vespignani and GLEAMviz were featured in the premiere episode of the new National Geographic series *Breakthrough*, which discussed the 2014 Ebola outbreak. The episode can be viewed [here](http://breakthrough.nationalgeographic.com/pandemics/gleam).

breakthrough.nationalgeographic.com/pandemics/gleam

CENTER UPDATES



CIDID guest [Richard Neher](#) (Max Planck Institute for Developmental Biology) gave a talk on "How Predictable is RNA Virus Evolution?" at Fred Hutch on November 6, 2015. [\[seminar video\]](#)

Richard and [Trevor Bedford](#) are jointly developing the website nextflu.org to incorporate predictive forecasting of

influenza evolution.

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Betz Halloran has organized two symposia at the AAAS 2016 Annual Meeting under the auspices of the Section on Statistics (U): One was co-organized with Matt Ferrari, Penn State, on "*Measles Vaccination: Global Challenges*". The other is "*Lessons from the Ebola Outbreak: Designing Vaccine Trials for Emerging Diseases*". The Annual Meeting will be held on February 11-15, 2016, in Washington DC.

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Betz Halloran and Vladimir Minin presented at a 2-day workshop, "Infectious Disease Research: Quantitative Methods and Models in the era of Big Data", jointly sponsored by the National Institute of Allergy and Infectious Diseases and the National Institute of General Medical Sciences, held on November 9-10, 2015, at NIH in Bethesda, Maryland. [[Workshop Agenda](#)]

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Ira Longini presented at the Clinical Trial Designs for Emerging Infectious Disease Workshop, held on November 9-10, 2015, at NIH in Bethesda, Maryland.

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Trevor Bedford presented at the British Columbia Centre for Disease Control (BCCDC) Research Week Symposium on October 22, 2015. Click [here](#) for Trevor's slides, and [here](#) for an event summary by the BCCDC Foundation.

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Betz Halloran and Stephanie Shadbolt represented CIDID at a joint UW/Fred Hutch reception for attendees at the Annual Biomedical Research Conference for Minority Students (ABRCMS), on November 13, 2015, at the Sheraton Hotel in Seattle.

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New CIDID members:

Margaret Bray and Matteo Chinazzi joined Alex Vespignani's team at NEU as Research Associates.

Charlton Callender joined Trevor Bedford's team at Fred Hutch as an Undergraduate Research Assistant.

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