



CENTER FOR
INFERENCE & DYNAMICS
OF INFECTIOUS DISEASES

Issue #11 | March 2017

Welcome to the March 2017 edition of the MIDAS CIDID Newsletter. This is where you can find Center-wide updates, along with relevant news and highlights.

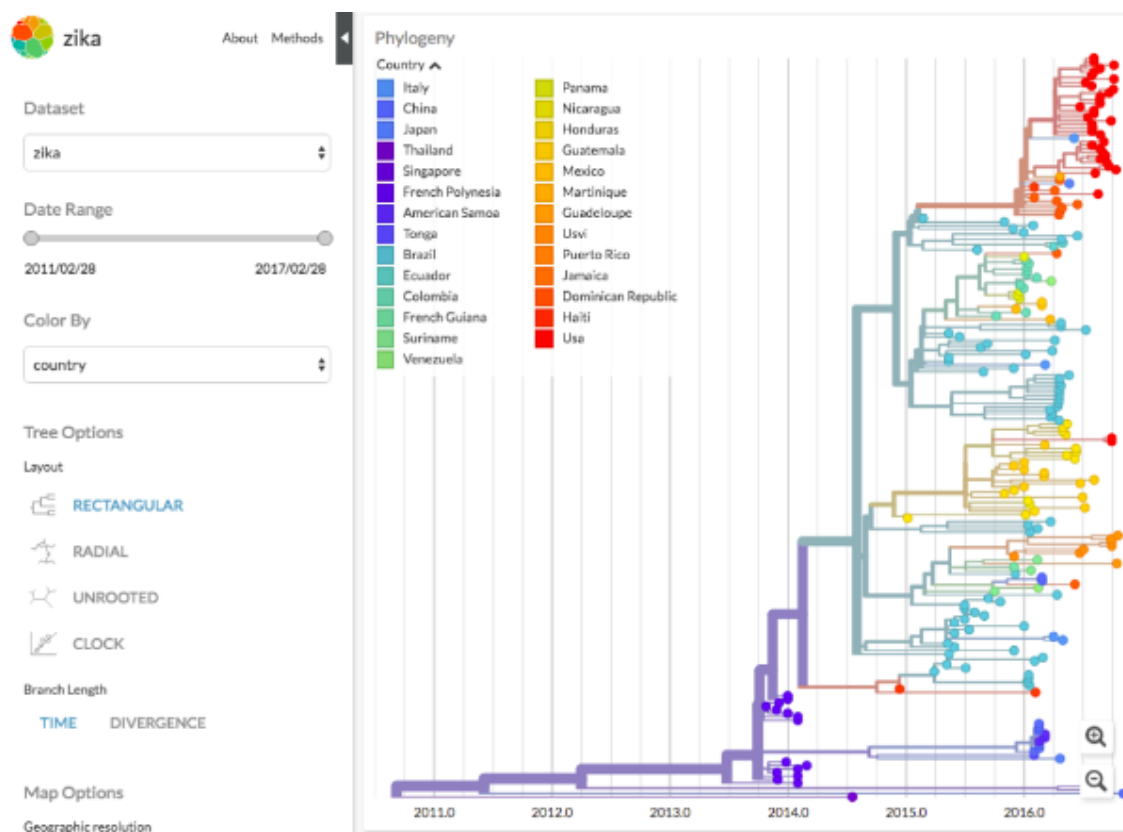


CIDID Website

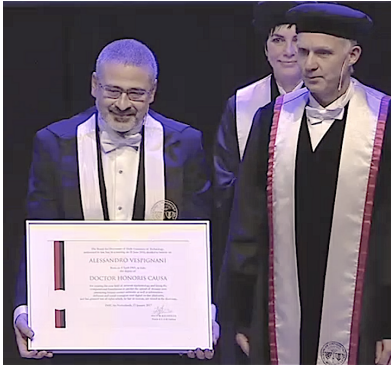


CIDID Twitter

NEWS



Trevor Bedford and Richard Neher won the first-ever Open Science Prize, for their development of the real-time pathogen tracking tool, nextstrain. Trevor and Richard will share the \$230,000 prize money.



Alex Vespignani was presented with an honorary doctorate degree, during the "Technology for Life" program celebrating the 175th anniversary of Delft University of Technology.

UPCOMING EVENTS



CIDID Seminar:

Pelton Auditorium, Fred Hutch

March 17, 2017, 10:30am - 11:30am

Speaker: Simon Hay

A deep dive into the methods underlying model-based geostatistics and their application

Live video stream and recording available: [\[link\]](#)



CIDID Seminar:

Pelton Auditorium, Fred Hutch

March 30th, 2017, 10:30am - 11:30am

Speaker: Nicolas Rodrigue

Recent advances in methods for detecting adaptation in protein-coding DNA

Live video stream and recording available: [\[link\]](#)



The next annual **MIDAS Network Meeting** takes place May 22-24, 2017, at the Emory Conference Center in Atlanta, Georgia.

Check the [MIDAS meeting website](#) for registration and information.



The **Immunology and Evolution of Influenza Symposium** will be held at the Emory School of Medicine, Atlanta, GA, on May 25-26, 2017. The Symposium is co-sponsored by CIDID and the [Center for Modeling Immunity to Influenza Infection](#).

Check the [Symposium website](#) for registration and information.



The **9th Summer Institute in Statistics and Modeling in Infectious Diseases (SISMID)** takes place July 10-26, 2017, at the University of Washington in Seattle.

Check the [SISMID website](#) for registration and scholarship information.

RECENT PUBLICATIONS

[Perspectives on model forecasts of the 2014–2015 Ebola epidemic in West Africa: lessons and the way forward](#)
BMC Medicine [[pdf](#)]

[Dynamics affecting the risk of silent circulation when oral polio vaccination is stopped](#)
Epidemics [[pdf](#)]

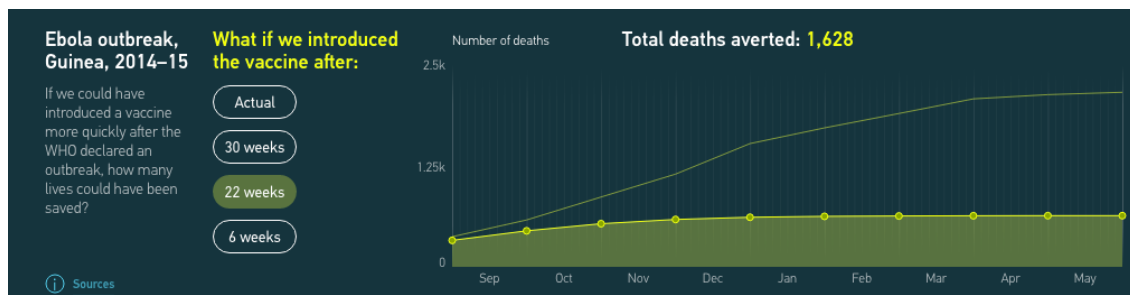
[Locally Adaptive Smoothing with Markov Random Fields and Shrinkage Priors](#)
Bayesian Analysis [[pdf](#)]

[Persistent Arthralgia Associated with Chikungunya Virus Outbreak, US Virgin Islands, December 2014–February 2016](#)
Emerging Infectious Diseases [[pdf](#)]

[Genome sequencing reveals Zika virus diversity and spread in the Americas](#)
bioRxiv [[pdf](#)]

[The effective rate of influenza reassortment is limited during human infection](#)
PLOS Pathogens [[pdf](#)]

CENTER UPDATES



CIDID teams led by Alex Vespignani, Ira Longini and Betz Halloran produced modeling scenarios of the Ebola outbreak and vaccine introduction. The scenarios were incorporated in a Coalition for Epidemic Preparedness Innovations ([CEPI](#)) presentation at the World Economic Forum in Davos, Switzerland, in January 2017. The results of the work are featured [here](#) and [here](#).

Trevor Bedford's team is now tracking H7N9 bird flu on nextstrain.org/flu/h7n9. Read the blog post summary by James Hadfield [here](#).

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Betz Halloran attended the WHO advisory committee meeting in February 2017 for the research and development Blueprint for action to prevent epidemics. Updates from WHO on the progress of the meetings can be found [here](#).

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Betz Halloran presented at the session on "[The Analysis and Control of Zika and Dengue Virus Epidemics](#)" at the AAAS meeting on Sunday, February 19, 2017. Ira Longini was the session organizer.

[AAAS](#)

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