



CENTER FOR
INFERENCE & DYNAMICS
OF INFECTIOUS DISEASES

Issue #8 | August 2016

Welcome to the August 2016 edition of the MIDAS CIDID Newsletter. This is where you can find Center-wide updates, along with relevant news and highlights.



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UPCOMING EVENTS



CENTER FOR
INFERENCE & DYNAMICS
OF INFECTIOUS DISEASES



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COMMUNICABLE
DISEASE DYNAMICS

Simulating Intervention Trials in Infectious Diseases Workshop: August 24-25, 2016, at Fred Hutch, Seattle.

Click [here](#) for event details.



**CIDID Seminar: Pelton Auditorium, Fred Hutch
September 15th, 2016, 10:30am - 11:30am**

Speaker: Jeffrey B. Joy
Details coming soon!

RECENT PUBLICATIONS

[Projected spread of Zika virus in the Americas](#)
bioRxiv [[pdf](#)]

[The epidemiology and transmissibility of Zika virus in Girardot and San Andres Island, Colombia, September 2015 to January 2016](#)
Eurosurveillance [[pdf](#)]

[Efficient Data Augmentation for Fitting Stochastic Epidemic Models to Prevalence Data](#)

arxiv [[pdf](#)]

[Multi-epitope Models Explain How Preexisting Antibodies Affect the Generation of Broadly Protective Responses to Influenza](#)

PLOS Pathogens [[pdf](#)]

[Dynamics Affecting the Risk of Silent Circulation When Oral Polio Vaccination Is Stopped](#)

bioRxiv [[pdf](#)]

[Projected Impact of Dengue Vaccination in Yucatán, Mexico](#)

PLOS Neglected Tropical Diseases [[pdf](#)]

[Mathematical Model Reveals the Role of Memory CD8 T Cell Populations in Recall Responses to Influenza](#)

Frontiers in Immunology [[pdf](#)]

NEWS

CIDID trainee Jonathan Fintzi won first place in the oral category of the [2016 WNAR Student Paper Competition](#). Jon is a graduate student at the University of Washington, mentored by Vladimir Minin and Jon Wakefield. Jon Fintzi's talk was based on this [paper](#) recently posted on arxiv.

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Trevor Bedford is one of 22 exceptional young scientists named as a [2016 Pew Scholar in Biomedical Sciences](#). Each scholar receives four years of flexible funding to pursue their research.

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Trevor Bedford participated in the [ZiBRA](#) project in Brazil. ZiBRA used mobile labs to travel around Brazil, sequencing hundreds of genomes of the Zika virus.

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Alex Vespignani was featured on an NPR story about Zika: "[Does The Olympics In Rio Put The World In Danger Of Zika?](#)"

[npr](#)



Click [here](#) to view the new Zika modeling site created by Alex Vespignani's team.

zika-model.org

CENTER UPDATES

CIDID Seminar speakers in July included [Kathryn Holt](#) (University of Melbourne) and [Stephanie Spielman](#) (Temple University). Click [here](#) to view a recording of Stephanie's presentation.

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The 8th Summer Institute in Statistics and Modeling in Infectious Diseases ([SISMID](#)) concluded on July 27th. Congratulations to the more than 180 students, and the CIDID faculty who led many of the courses: Betz Halloran, Ira Longini, Alex Vespignani, Pej Rohani, John Drake, Aaron King, Ed Ionides, Tom Hladish, and Trevor Bedford. CIDID provided financial support to 9 students.

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Jim Koopman visited Seattle in early July and met with colleagues at the Institute for Disease Modeling. Jim presented on his team's polio research. Click [here](#) for their recent paper submitted to bioRxiv.

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CIDID summer interns: CIDID supported four interns as part of the [University of Georgia REU program](#) (directed by John Drake). A further three CIDID interns are in the final weeks of their [summer program](#) at Fred Hutch. Links to posters showcasing these projects will be in the next newsletter.

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CIDID trainee updates: Beginning this fall 2016, Rotem Ben-Shachar (Duke University) will be a postdoc with [Eva Harris'](#) group at UC Berkeley, and Charlton Callender (University of Washington/Fred Hutch) starts a [Post-Bachelor Fellowship at the Institute for Health Metrics and Evaluation \(IHME\)](#).

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