



Issue #14 | February 2018

Welcome to the February 2018 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



The annual **MIDAS Network Meeting** takes place April 3-5, 2018, at the Hyatt Regency Bethesda. Registration and other information is available on the [MIDAS meeting website](#).



The **10th Summer Institute in Statistics and Modeling in Infectious Diseases (SISMID)** takes place July 9-25, 2018, at the University of Washington in Seattle. Registration and scholarship information is available on the [SISMID website](#).

RECENT PUBLICATIONS

[Seroprevalence of Dengue Antibodies in Three Urban Settings in Yucatan, Mexico](#)
[AJTMH \[pdf\]](#)

[An Assessment of Household and Individual-Level Mosquito Prevention Methods during the Chikungunya Virus Outbreak in the United States Virgin Islands, 2014–2015](#)
[AJTMH \[pdf\]](#)

[Core pertussis transmission groups in England and Wales: A tale of two eras](#)
[Vaccine](#) [[pdf](#)]

[Resilience management during large-scale epidemic outbreaks](#)
Scientific Reports [[pdf](#)]

[Panel data analysis via mechanistic models](#)
arXiv [[pdf](#)]

[Models and analyses to understand threats to polio eradication](#)
BMC Medicine [[pdf](#)]

[Comparative epidemiology of poliovirus transmission](#)
Scientific Reports [[pdf](#)]

[Silent circulation of poliovirus in small populations](#)
Infectious Disease Modeling [[pdf](#)]

CENTER UPDATES

InterVax Tool



decision support for vaccine efficacy trial design during an
emerging outbreak

Steve Bellan, Natalie Dean, and Ira Longini contributed to the development of an interactive web-based decision tool, [InterVax](#), to assist in the design of vaccine efficacy trials during emerging outbreaks. This work is part of the ongoing World Health Organization (WHO) Research and Development Blueprint for Action to Prevent Epidemics.

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John Drake is a co-author on a paper that will be read at the [Royal Statistical Society](#) on March 14, 2018. Betz Halloran was invited to write a Discussion.

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Vladimir Minin and fellow SISMID instructor Theodore Kypraios organized a [special section](#) on infectious diseases in [Statistical Science](#). The section covers the state-of-the-art of statistical inference for stochastic epidemic models for infectious disease data.

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Ira Longini and Natalie Dean are co-authors on the [paper](#) *Efficacy and effectiveness of an rVSV-vectored vaccine in preventing Ebola virus disease: final results from the Guinea ring vaccination, open-label, cluster-randomised trial (Ebola Ça Suffit!)*. The Lancet 389, 505-18 (2017), which was [ranked number 9 among the Altmetric Top 100 Scientific Papers of 2017](#).

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Betz Halloran, Phil O'Neill (SISMID instructor), and Martin Eichner organized the workshop on "Design and Analysis of Infectious Disease Data" at the [Mathematisches Forschungsinstitut Oberwolfach \(MFO\)](#) in Germany, February 18-24, 2018. Fifty international researchers took part.

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Betz Halloran was elected as Chair of the American Association for the Advancement of Science (AAAS) Section on Statistics. The Section Chair serves a three-year term – the first year as Chair-Elect, the second year as Chair, and the third year as Retiring Chair

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