CENTER FOR
INFERENCE & DYNAMICS
OF INFECTIOUS DISEASES

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Welcome to the January 2019 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 **11th Summer Institute in Statistics and Modeling in Infectious Diseases (SISMID)** is scheduled to take place July 8-24, 2019, at the University of Washington in Seattle. Registration and other information will be available on the SISMID website.

RECENT PUBLICATIONS

Measurability of the epidemic reproduction number in data-driven contact networks
Proceedings of the National Academy of Sciences [pdf]

What controls the acute viral infection following Yellow Fever vaccination?
Bulletin of Mathematical Biology [pdf]

Dengue seroprevalence in a cohort of schoolchildren and their siblings in Yucatan, Mexico (2015-2016)
PLoS Neglected Tropical Diseases [pdf]

Epidemiology of dengue and other arboviruses in a cohort of school children and their families in Yucatan, Mexico: Baseline and first year follow-up
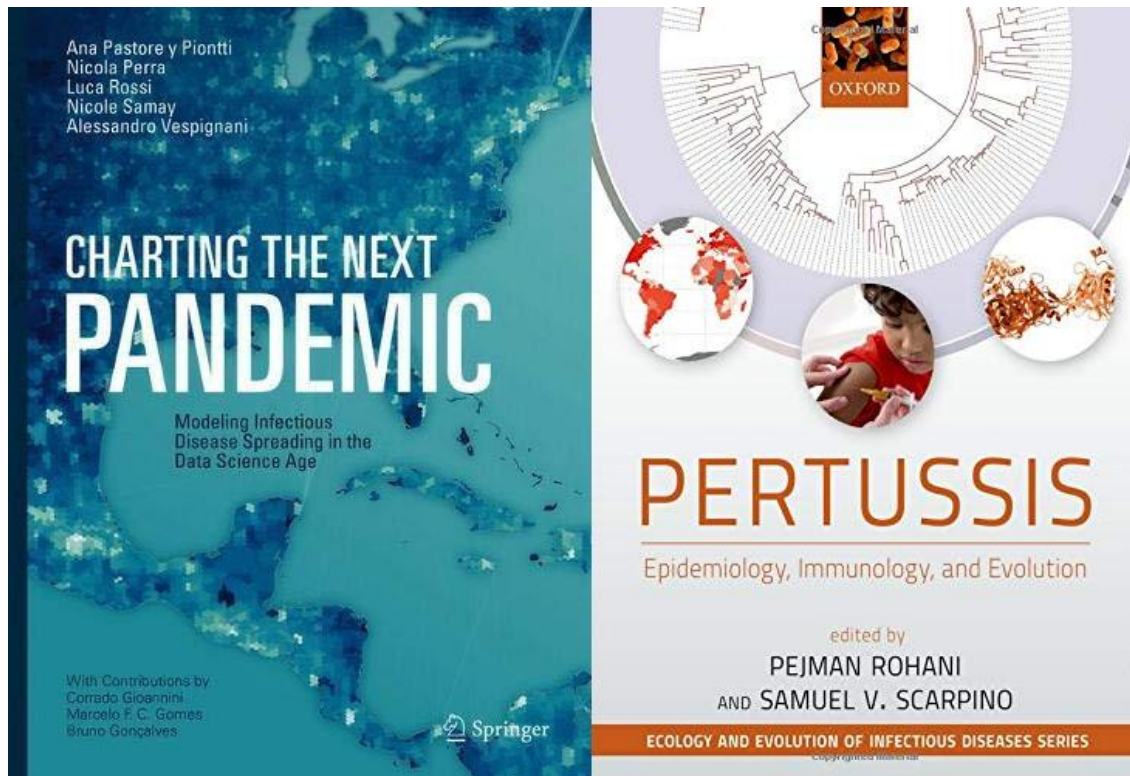*PLoS Neglected Tropical Diseases* [pdf]

Seroprevalence and Symptomatic Attack Rate of Chikungunya Virus Infection, United States Virgin Islands, 2014–2015
American Journal of Tropical Medicine and Hygiene

CIDID has been designated as a World Health Organization Collaborating Center for a period of four years, beginning in December 2018. The CIDID WHO Collaborating Center will be based in the Vaccine and Infectious Disease Division of Fred Hutchinson Cancer Research Center in Seattle. The Directors are Betz Halloran and Ira Longini.
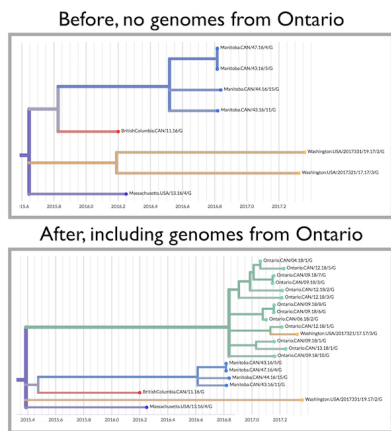
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New books by CIDID members are available now!
"**Charting the Next Pandemic**" by Ana Pastore y Piontti, Nicola Perra, Luca Rossi, Nicole Samay, Alex Vespignani and others; and
"**Pertussis: Epidemiology, Immunology, and Evolution**", edited by Pej Rohani and Samuel Scarpino.

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Louise Moncla continues to add new mumps genomes to nextstrain.org, including genomes from Washington state, Arkansas and Ontario. Using these mumps sequences

Before, no genomes from Ontario

After, including genomes from Ontario

as an example, Alli Black wrote a blog post on the benefits of data sharing.

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Alex Vespignani received the 2018 John Graunt Award.

Every two years, the Radboud Institute for Health Sciences honors an outstanding scientist for their extraordinary achievements in one of the population sciences.

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Pej Rohani is one of four faculty named as University of Georgia Athletics Association Professors. The endowed professorships recognize their extraordinary records of scholarship, instruction and outreach. Pej is the UGA Athletic Association Professor in Ecology and Infectious Diseases.

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CIDID faculty Pej Rohani, John Drake, and Ed Ionides were all selected to become Fellows of the American Association for the Advancement of Science (AAAS). Betz Halloran will be Chair of the Statistics Section as of February 18, 2019.

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Veronika Zarnitsyna and her Emory University colleague, Jacob Kohlmeier, received a U01 grant from the National Heart Blood and Lung Institute. Their research project title is "Multi-scale modeling of influenza vaccination strategies for optimal T cell immunity".

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