



CENTER FOR
INFERENCE & DYNAMICS
OF INFECTIOUS DISEASES

Issue #4 | September 2015

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



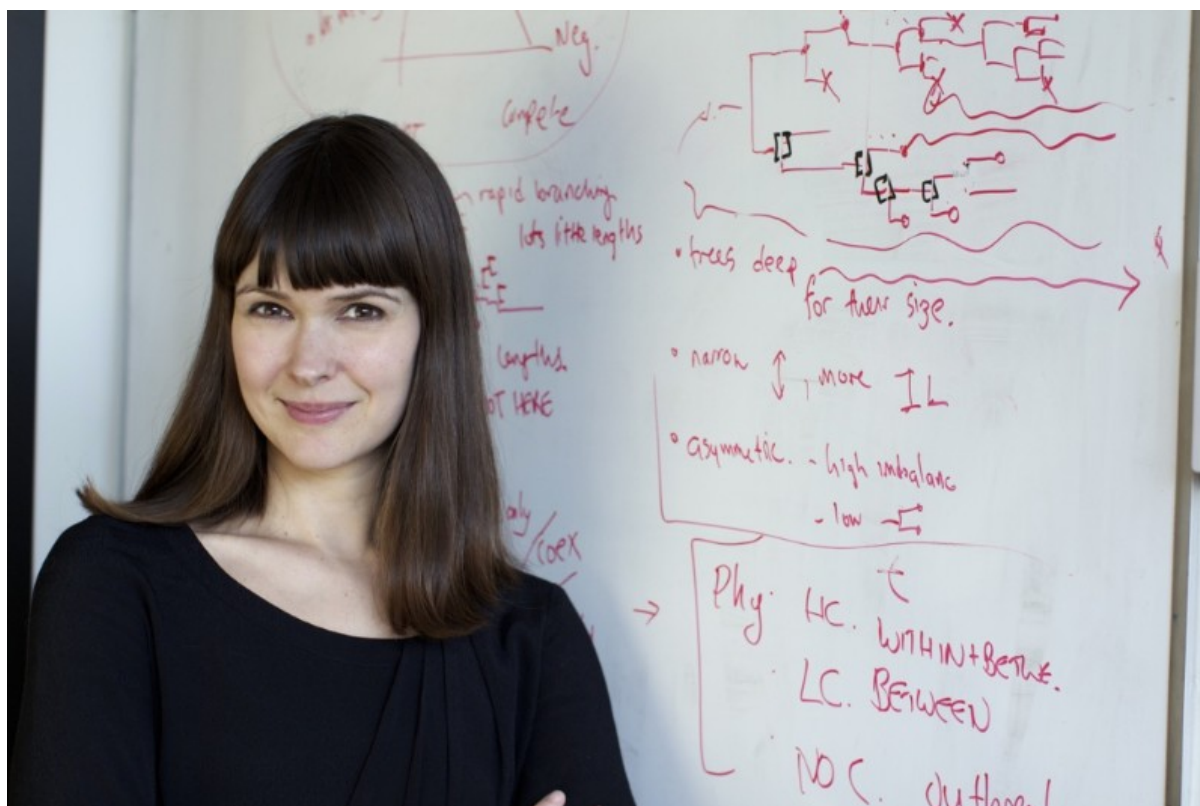
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UPCOMING EVENTS

CIDID Seminars: International speakers will present at Fred Hutch in Seattle.



October 2, 2015, 10:30am - 11:30am, Pelton Auditorium

"The story of an outbreak: Tracking infectious disease transmission with DNA sequencing"

Speaker: Jennifer Gardy Download flyer: [\[pdf\]](#)

October 2, 2015, 2:00pm - 2:45pm, in room M3-A805

"Using data visualization to support infectious disease monitoring and control"

Ana Crisan will give an informal seminar following Jennifer Gardy's presentation. Ana works with Jennifer at the British Columbia Center for Disease Control.

November 6, 2015, 10:30am - 11:30am, Pelton Auditorium

Richard Neher will be speaking on within-host HIV evolution. Details to follow in next newsletter.

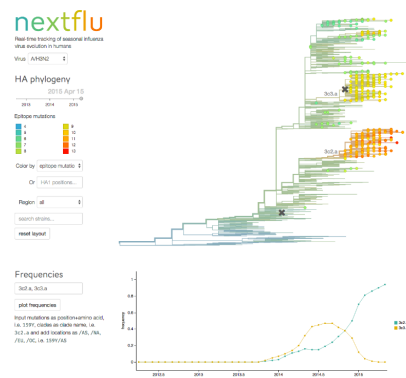
RECENT PUBLICATIONS

The effects of a deleterious mutation load on patterns of influenza A/H3N2's antigenic evolution in humans, *eLife* [\[pdf\]](#)

Epidemic processes in complex networks, *Reviews of Modern Physics*

Positive selection in CD8+ T-cell epitopes of influenza nucleoprotein revealed by a comparative analysis of human and swine viral lineages, *Journal of Virology* [\[pdf\]](#)

NEWS



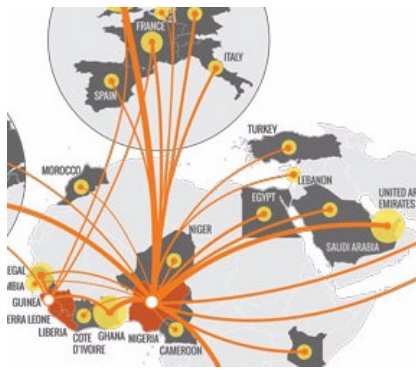
Nextflu, developed by Trevor Bedford (CIDID/Fred Hutch) and Richard Neher (Max Planck Institute of Developmental Biology), is featured in this *GenomeWeb* [article](#) detailing future developments and the recently-released versions for tracking the evolution of the Ebola virus and the Middle East respiratory syndrome coronavirus (MERS-CoV).

nextflu.org

ebola.nextflu.org

mers.nextflu.org

'The Leading Edge of Data Design': a figure from the MOBS Lab was featured in *Northeastern Magazine* [article](#) discussing the impact of data visualization.



northeastern.edu

CENTER UPDATES

CIDID Director Betz Halloran attended the WHO Scientific Advisory Group Meeting in Geneva, on 'Preparing for the inevitable: a Blueprint for R&D preparedness and rapid research response', held on September 23-24, 2015.

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Excellent work completed by four CIDID summer undergraduate trainees who participated in the [REU program](#) at the University of Georgia. Click on the project titles below to view the posters.

Sydney Barosko: [*Microbial Community Assessment of Lone Star Ticks from Athens, GA*](#)

Taylor Joseph: [*Predicting the Effectiveness of Novel Tuberculosis Treatment Regimens*](#)

Sofia Bertolini Meli: [*Environmental and host factors affect bacterial community structure in the mosquito gut*](#)

Nikki Solano: [*Mapping autochthonous transmission potential of Chikungunya virus in the United States*](#)

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The next MIDAS Network Meeting will be held on May 24-26, 2016, in Washington D.C.

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