

July Infectious Disease Summary

July 2019

We are attending this year's AACC Annual Scientific Meeting & Clinical Lab Expo next week. Held in Anaheim, California, AACC is the world's largest gathering of clinical lab professionals from around the world, and to kick start our first attendance, we are offering promo codes for **free Clinical Lab Expo passes** to all of our customers. Get in touch to find out more or **visit us at booth 4263**.

WHO announces PHEIC for Ebola outbreak. This month, the World Health Organization declared the ongoing Ebola outbreak to be a Public Health Emergency of International Concern (PHEIC). The call is long-overdue according to critics of the response, and will likely see an increase in funding and aid to the regions affected. The WHO and other organisations have struggled to contain the outbreak, which is the second largest on record. There have been more than 2,500 cases and close to 1,700 deaths so far. [Read more.](#)

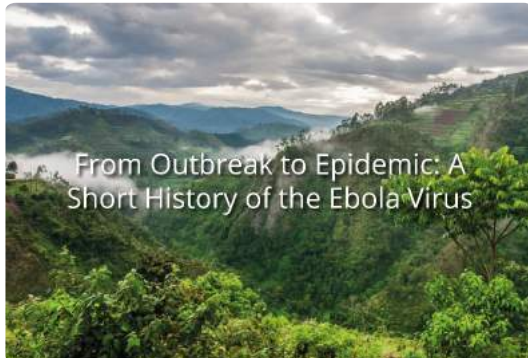
CMV immune evasion strategy uncovered. The mechanisms by which Cytomegalovirus evades humoral immune detection have been unclear for some time, but now scientists at The University of Maryland think they've found the answer. CMV has been shown to block the assembly of the FcRn receptor which mediates mother-foetus IgG transport, leading to its degradation and facilitating immunoevasion. The research has large implications in the development of vaccines and therapeutics against CMV. [Read more.](#)

Ancient, active virus found in permafrost. Researchers from Aix-Marseille University, France, have discovered a 30,000 year-old virus in the Siberian permafrost, which was still infective when exposed to Amoebas. The virus is related to the so-called 'Pandoraviruses', but is even larger in diameter and genome size. Such a discovery raises concerns about thawing permafrost in polar regions and the potential for viral pathogens to re-emerge. [Read more.](#)

Rare bacterial disease causes outbreak in Australia. Leptospirosis (or

outbreak in Sydney, spread by rats has killed seven dogs and left many humans ill. City-wide construction and humid conditions are thought to have allowed the bacteria to thrive in rat populations. A commercial vaccine is available but has not been widely used. [Read more](#).

In Case You Missed It



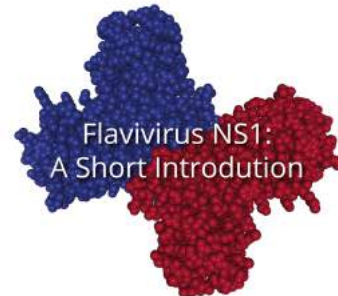
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[TWiV: Origins of the ASV](#)

[CDC: Single-Dose Vaccine to Protect Against Nipah Virus Disease](#)

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