

May Newsletter

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Ebola outbreaks see rise in violence. Ongoing efforts to contain the latest Ebola outbreak in the Democratic Republic of Congo have met fierce resistance as organised attacks on medical facilities continue. 174 nation-wide attacks in the midst of the latest Ebola outbreak have resulted in 5 deaths and have made containment highly challenging and unpredictable, leading the [UK government](#) to not to publicly disclose funding allocations in fear that it would put responders at risk. The WHO regional director for Africa described the Ebola outbreak in the DRC as "one of the most complex health emergencies the world has faced" and added that juggling the dual responsibilities of protecting staff and colleagues while responding to the outbreak is no small feat. [Read more.](#)

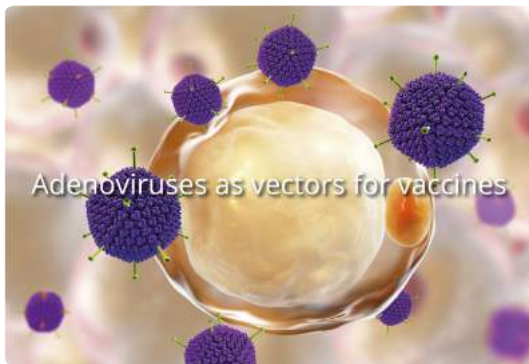
Cholera vaccination campaign begins in the DRC. A cholera vaccination campaign was launched this month by the DRC Ministry of Health, with support from WHO and Gavi. Thousands of cholera cases have been reported in the DRC so far this year that have caused hundreds of deaths and have destabilised the economy. The campaign aims to vaccinate over 1 million individuals as part of a global push to reduce cholera deaths by 90 percent by 2030. [Read more.](#)

Mosquitos predicted to spread into large areas of the US and EU by 2050. A recent study used statistical mapping techniques to predict that *Aedes aegypti* and *Aedes albopictus* mosquitos will spread to large parts of the United States and Europe by 2050. As these species are the main vectors for many arboviruses, including Zika, Dengue and Chikungunya, their spread will put significant parts of the northern hemisphere at risk. The main contributors to this are thought to be human mobility and the effects of continued global

...are thought to be human mobility and the effects of continued global warming and suggest the need to further develop surveillance systems and rapid response protocols to prevent endemicity. [Read more.](#)

Global healthcare leaders discuss NTD biomanufacturing. Healthcare experts from around the globe met this month to discuss how innovative manufacturing could help tackle neglected tropical diseases. This shift would involve a more decentralised means of manufacturing medicines and biologics in developing countries to allow alleviate supply chain risks and allow more rapid responses to outbreaks. [Read more.](#)

In Case You Missed It



In the first of a 2-part series, we explore what makes adenoviruses so useful in gene therapy applications and how they are being developed as vectors for vaccines at the Jenner Institute in Oxford.

[Read More](#)



In the second of a 2-part series, we discuss how adenoviruses are being developed to treat cancer and some of the hurdles these platforms face from our own immune systems.

[Read more](#)



In this blog, we present some of the human cell surface receptors responsible for mediating entry for a

responsible for mediating entry for a range of pathogenic viruses

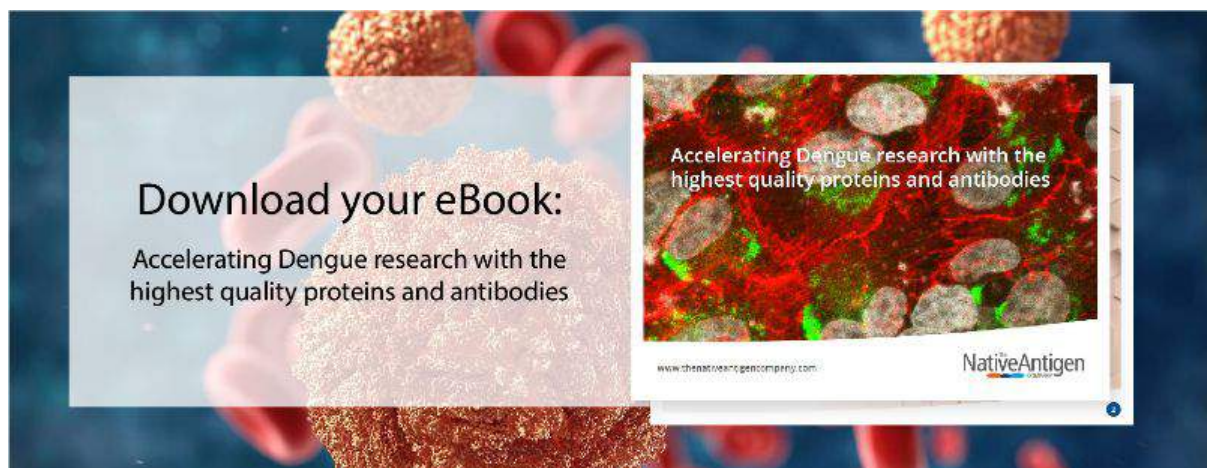
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