

Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information website.

Elsevier hereby grants permission to make all its COVID-19-related research that is available on the COVID-19 resource centre - including this research content - immediately available in PubMed Central and other publicly funded repositories, such as the WHO COVID database with rights for unrestricted research re-use and analyses in any form or by any means with acknowledgement of the original source. These permissions are granted for free by Elsevier for as long as the COVID-19 resource centre remains active.

estimates of vaccine effectiveness in post-licensure settings. Further discussion of this topic by experts is warranted.

A key feature common to all of these approval provisions is that the established standards for the demonstration of safety and effectiveness are maintained. From our perspective, if needed, any of these pathways to licensure could provide an alternative science-based approach to the demonstration of vaccine effectiveness against Ebola virus disease.

The rapid evolution of the Ebola outbreak will need continued regulatory flexibility and adjustment to approaches used for product development and approval. By fostering a high level of communication both together and with our stakeholders, the FDA, EMA, and Health Canada will continue to employ their science-based regulatory approaches to expedite Ebola vaccine licensure and thus facilitate the availability of one or more effective Ebola vaccines.

Philip R Krause, Marco Cavaleri, Gina Coleman, Marion F Gruber

Office of Vaccines Research and Review, Center for Biologics Evaluation and Research, US Food and Drug Administration, Silver Spring, MD 20993, USA (PRK, MFG); Anti-infectives and Vaccines, European Medicines Agency, London, UK (MC); and Clinical Evaluation Division–Vaccines, Health Canada, Ottawa, ON, Canada (GC)

philip.krause@fda.hhs.gov

We declare no competing interests.

- 1 US Food and Drug Administration. Code of Federal Regulations (CFR) title 21, 2014. http://www.ecfr.gov/cgi-bin/text-idx?node=pt21.7.601 (accessed April 24, 2015).
- 2 Health Canada. Guidance document—submission and Information requirements for extraordinary use new drugs (EUNDs), 2014. http:// www.hc-sc.gc.ca/dhp-mps/brgtherap/applic-demande/guides/eunddnue-eng.php (accessed May 1, 2015).
- 3 European Union. REGULATION (EC) No 507/2006. Official Journal of the European Union 2006; L92: 6-9.
- 4 European Union. REGULATION (EC) No 726/2004.
 Official Journal of the European Union 2004; L136: 1–33.
- Krause PR, Bryant P, Clark T, et al. Immunology of protection from Ebola virus infection. Sci Transl Med 2015; 7: 286ps11.

Corrections

Waight PA, Andrews NJ, Ladhani SN, Sheppard CL, Slack MPE, Miller M. Effect of the 13-valent pneumococcal conjugate vaccine on invasive pneumococcal disease in England and Wales 4 years after its introduction: an observational cohort study. Lancet Infect Dis 2015; 15: 535-43—The article should have been accessible as Gold Open Access (CC BY-NC-ND) since the 19th March 2015. The correction has been made to the online version as of April 24, 2015.

Müller MA, Meyer B, Corman VM, et al. Presence of Middle East respiratory syndrome coronavirus antibodies in Saudi Arabia: a nationwide, cross-sectional, serological study. Lancet Infect Dis 2015; 15: 559-64—In this Article, the affiliation for the authors Malak Al-Masri, Raafat F Alhakeem, Abdullah M Assiri, and Ziad A Memish should have been "Ministry of Health, Riyadh, Saudi Arabia". Additionally, the affiliation for Abdulhafeez Turkestani should have been "Makkah Regional Health Affairs, Ministry of Health, Makkah, Saudi Arabia" only. These corrections have been made to the online version as of May 19, 2015.

Lauer KB, Faqih L, Blanchard TJ. Ebola: the real lessons from HIV scale-up. Lancet Infect Dis 2015; 15: 506–07—The title of this Correspondence should have been 'Long-term vaccine strategies for Ebola'. This correction has been made to the online version as of May 19, 2015.

Althaus CL. Ebola: the real lessons from HIV scale-up. Lancet Infect Dis 2015; 15: 507–08—The title of this Correspondence should have been 'Ebola superspreading'. This correction has been made to the online version as of May 19, 2015.



Published Online April 24, 2015 http://dx.doi.org/10.1016/ S1473-3099(15)70033-2