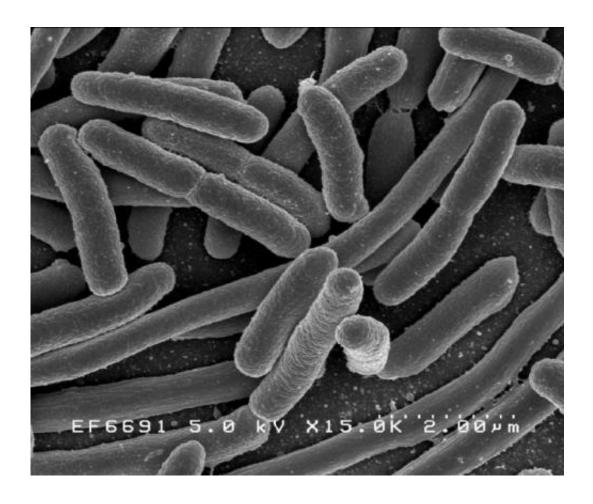


## University of Maryland researchers testing potential vaccine for E. coli, Shigella

December 13 2019, by Phil Davis



Escherichia coli. Credit: Rocky Mountain Laboratories, NIAID, NIH

Researchers at the University of Maryland's medical school are testing a potential vaccine for E. coli and other diarrheal diseases.



In a news release, the university wrote that Dr. Wilburn Chen and Dr. Eileen Barry will test a vaccine developed at the School of Medicine's Center for Vaccine Development and Global Health.

The testing is being funded by a \$4.5 million agreement with Emergent Biosolutions, "a global life sciences company focused on addressing public health threats, including travel health diseases," the university wrote.

The vaccine will look to combat the bacteria Shigella and enterotoxigenic Escherichia coli, more commonly referred to as E. coli.

"Our goal here is to develop a vaccine that can be delivered broadly to those who are most susceptible to the risks of these diseases," Chen said. "This is something that can help serve the most <u>vulnerable populations</u> in low resource settings in sub-Sahara Africa and South Asia, where the disease burden is highest."

According to the Centers for Disease Control and Prevention, as of Dec. 2, 102 people have been infected with the strain of E. coli O157:H7 in 23 states this year.

The university wrote the doctors "will test the safety, tolerability and potential protection of oral doses of the prototype Shigella-ETEC vaccine."

©2019 The Baltimore Sun Distributed by Tribune Content Agency, LLC.

Citation: University of Maryland researchers testing potential vaccine for E. coli, Shigella (2019, December 13) retrieved 26 April 2024 from <a href="https://medicalxpress.com/news/2019-12-university-maryland-potential-vaccine-coli.html">https://medicalxpress.com/news/2019-12-university-maryland-potential-vaccine-coli.html</a>



This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.