

Engineering student develops early detection methods for E. coli bacteria

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UNM biomedical engineering graduate student Loreen Lamoureaux works on samples in the lab.

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Currently, it can take several days to detect bacteria in meat. Lamoureaux and her collaborators are working on a way to make the detection process much faster. Her work at Los Alamos National Laboratory (LANL) with Harshini Mukundan, and at UNM with Professor Steven Graves at the Center for Biomedical Engineering, focuses on ways to detect Shiga toxins and other important markers of the bacteria. She has purified and developed assays for a key biomarker



as well as used biophysical methods to characterize the molecular interactions of the biomarkers with cell membranes.

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Provided by University of New Mexico

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