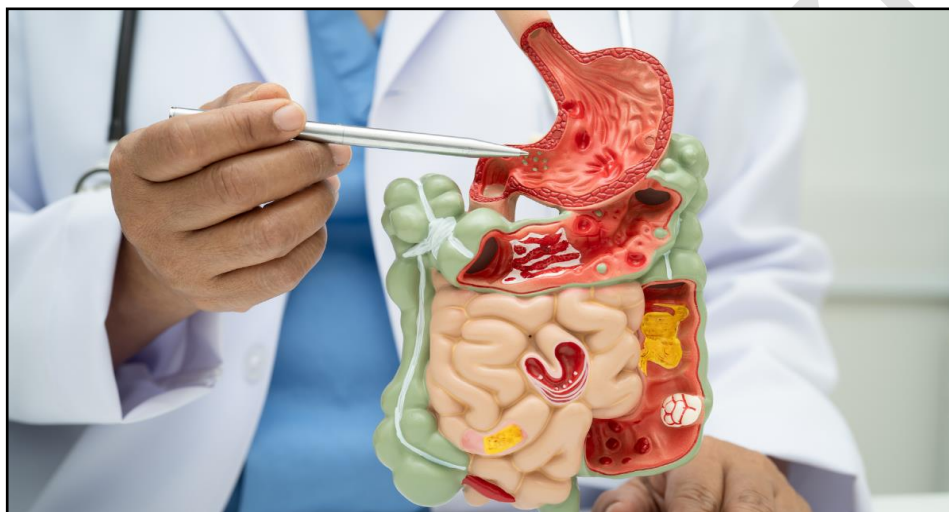


NEWS UPDATE

Date: 12/09/2025

Gut Bacteria Fuel Linked to Diabetes and Liver Disease: Study



Canadian researchers have identified **D-lactate**, a hidden fuel produced by gut microbes, as a surprising trigger for **diabetes and fatty liver disease**. The molecule overstimulates the liver to generate excess sugar and fat, worsening metabolic health. To counter this, scientists developed a ‘**gut substrate trap**’ that blocks D-lactate, which improved blood sugar control and liver health in obese mice. This breakthrough opens new possibilities for **innovative therapies targeting metabolic disorders** like diabetes and liver disease.

Source: <https://inshorts.com/en/news/gut-bacteria-fuel-drives-diabetes-and-liver-disease--study-1757580147002>