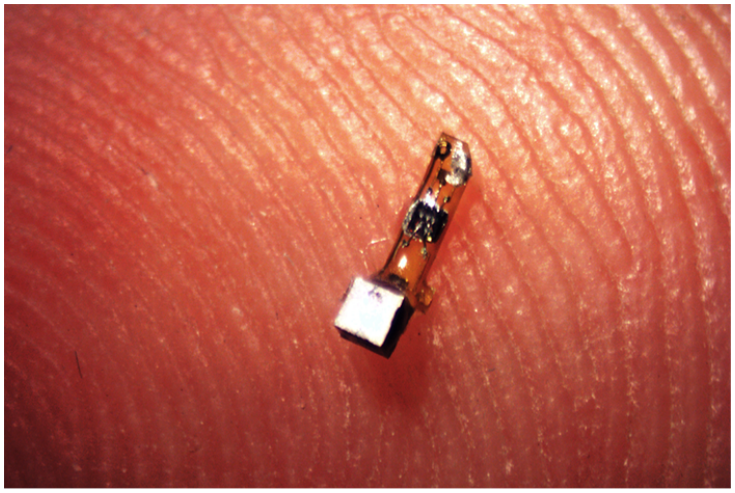
BioSpect
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

US scientists invent biofuel-based diagnostic sensor

03 October 2018 | News

The sensor has been designed to run on sugar by harvesting glucose from body fluids.



A team of scientists from Washington State University (WSU) in the US has developed a new biofuel-based sensor that can be implanted into the body for tracking biological signals in order to diagnose diseases.

The sensor has been designed to run on sugar by harvesting glucose from body fluids. It comprises electronics to process both physiological and biochemical signals.

Though the electronics in the sensor require less power, they are said to be highly sensitive. As the biofuel-based sensor depends on body glucose, it eliminates the need for recharging.

The scientists have already tested the sensor in the lab and are planning to assess and demonstrate it in blood capillaries, after potentially obtaining the necessary regulatory approval.

Furthermore, the team intends to improve and enhance the power output of the biofuel sensor.