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

# IIT engineers develop painless needles technology

02 July 2018 | News

**Engineers have developed a technology of painless micro-needles, based on the concept of mosquito bite, where one does not feel the pain on being bitten.**



Engineers at the Indian Institute of Technology (IIT) Ropar, in collaboration with scholars at Ohio State University (US), have developed a technology of painless micro-needles, based on the concept of mosquito bite, where one does not feel the pain on being bitten.

According to the team, the use of a numbing agent; a serrated design to the needle vibration during the piercing; and a combination of soft and hard parts on the proboscis are the methods for painless needles. However, these needles could be costlier than those traditional ones, but will be useful for children and adults.

Till now, the engineers have only developed a technology, however no such device has been made. In the near future, the team may develop the device or needle based on the technology or they will look out for someone who could make this device.