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IIT Delhi transfers indigenous healthcare technologies to Industry

01 August 2024 | News

DNA aptamer for prostate cancer detection and photonic chip based spectrometric biosensor technology for pathogen detection



Two indigenous healthcare technologies developed under the Ministry of Electronics and Information Technology (MeitY)-funded project Nanoelectronics Network for Research and Applications (NNetRA) have been transferred to the industry at an event recently hosted by Indian Institute of Technology (IIT) Delhi.

Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi has played an instrumental role in fostering this technology transfer.

The technology named DNA Aptamer for Prostate Cancer Detection has been transferred to Dr Swapnil Sinha, Hummsa Biotech in Kolkata. The aptamer is developed by Prof. Prashant Mishra and his team from IIT Delhi and is capable of binding to the specific oncogenes and could be useful as theranostics for prostate cancer.

On the other hand, the technology Photonic Chip based Spectrometric Biosensor for pathogen detection has been transferred to Nitin Zaveri, Unino Healthcare in Mumbai. This new technology has been developed by Prof. Joby Joseph and his team from IIT Delhi and will enable quick and accurate detection of the pathogens, thereby aiding in the prevention of infectious diseases.