

## **Bilcare and CSIR to Partner on nonClonableID Technology for Authentication of Drugs**

30<sup>th</sup> June 2012 - Council of Scientific and Industrial Research (CSIR) under its New Millennium Indian Technology Leadership Initiative (NMITLI) Scheme has approved the implementation of the project entitled “Customized adaptation of nonClonableID technology to establish authenticity of medical products” by M/s Bilcare Limited, Pune. Dr. Praful Naik, Executive Director & Chief Scientific Officer, Bilcare Limited has been designated as the Principal Investigator for the project.

One of key challenges facing India in the pharmaceutical space, both in domestic and export sectors is, that of counterfeit drugs with dire implications to not only the pharmaceutical companies but also government authorities and the general public. In this context, product accountability and traceability has been recognized as a critical need for providing quality medical products. The issue covers not only detecting counterfeits or eliminating illegal duplicates but more importantly to also ensure that medicine of genuine origin is consumed by the patients.

The CSIR-NMITLI-Bilcare team has been assigned the challenge of demonstrating the ability of a novel nonClonableID technology to address the unmet needs in medical product authentication and patient safety. The nonClonableID technology, based on novel aspects of material science and utilizing the law of randomness, shall create unique non-duplicable fingerprints. These fingerprints when processed, digitized and activated can function as unique identification tags. The key objectives of the CSIR-NMITLI project, is to demonstrate the utility of the nonClonableID tags in establishing product accountability through secured traceability from the point of origin to the point of dispensation, authenticity check and establishing e-pedigree; and also in improving medication compliance by patients.

This Public-Private Partnership will allow CSIR and Bilcare to advance research areas of mutual interest in the Healthcare domain, build technical expertise to pursue high science and niche technology for global impact and create technologies that addresses our Nation’s concerns.

**About Bilcare Technologies:** Bilcare Technologies a business unit of [Bilcare Limited](#), is a research and technology leader focused on creating next-generation anti-counterfeiting, security and brand protection solutions for a broad range of industry sectors. With breakthrough research and development in micro and nanotechnology, Bilcare has developed a first-of-its-kind technology - nonClonableID™. The nonclonableID technology irrefutably identifies object / subject and facilitates authentication electronically “anywhere-anytime” thereby enabling execution of secure business transactions and activities in a safe & secure manner. The technology has already been successfully used to secure a wide range of items from critical equipment like electronic voting machines for the Election Commission to automotive parts, from Wines to museum artifacts, and for fail-safe totally secured ID cards including those used by the Delhi Police, Security organizations in other countries and mega events like Bryan Adams.

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**About CSIR:** CSIR, established in 1942 is an autonomous society with the Prime Minister of India as its President. CSIR is amongst the foremost and largest publicly funded scientific and industrial research organizations in the world. CSIR’s New Millennium Indian Technology Leadership Initiative (CSIR-NMITLI) is the largest public-private-partnership effort within the R&D domain in the country, seeking to synergize the best competencies of publicly funded R&D institutions, academia and private industry. CSIR through its NMITLI scheme envisages catalyzing innovation centered scientific and technological developments as a Vehicle to attain for the country, a global leadership position in selected niche areas.

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