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India Emerging as a Global Research Hub for Diabetes, Genetic Disorders and Next-Generation Healthcare Solutions: Dr

CHENNAI – 21 Nov, 2026 India is emerging as a global research hub for diabetes, genetic disorders and next-generation healthcare solutions, with over a dozen diabetes-related research projects currently underway under the Ministry of Science & Technology, largely through the Department of Biotechnology (DBT) and some through CSIR, Union Minister Dr. Jitendra Singh said today.

Emphasising that research is increasingly focused on the prevention and control of diabetes through next-generation molecular and genetic solutions, Dr. Singh said India's vast population and genetic diversity offer a unique opportunity to develop scientific insights and healthcare solutions with relevance for the country and the world. He cautioned that preventing obesity and diabetes among India's youth is a national responsibility and not merely a medical challenge, requiring collective action beyond the healthcare fraternity.

Dr. Jitendra Singh was addressing the inaugural ceremony of RSSDI 2026, being held from November 19–22 at Bengaluru. The conference brings together leading diabetologists, clinicians, researchers, academicians and healthcare professionals from across the country and abroad. Among the prominent dignitaries present were Krishna Byre Gowda, Minister for Greater Bengaluru Development and Parliamentary Affairs, Government of Karnataka; Dr. C. N. Manjunath, Member of Parliament. The inaugural programme also featured fellowship distribution, recognition of awardees and the launch of books and guidelines.

The Minister said India has undergone a significant transformation in its scientific and



healthcare capabilities, moving from dependence on external solutions to developing indigenous vaccines, therapies, antibiotics and advanced medical technologies. Referring to India's DNA-based COVID-19 vaccine, indigenous antibiotics, genetic therapy research, biosimilars and the India Genome Study, he said the country has emerged as a frontline contributor to scientific research, with its research ecosystem increasingly addressing complex health challenges through innovative approaches. He also referred to India's vaccine pipeline for diseases such as HPV, dengue and malaria, and advances in genetic therapies, demonstrating the expanding scope of Indian biomedical research.

Dr. Jitendra Singh said the growing focus on precision medicine and molecular-level interventions is opening new avenues for understanding Type 2 diabetes, associated metabolic disorders and their prevention, particularly among younger populations. He invited greater collaboration between government research institutions, private-sector researchers, clinicians, startups and medical associations, stating that translational research and public-private partnerships are essential to convert scientific discoveries into practical healthcare solutions.