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Redcliffe Labs teams up with RGCB to bolster single-cell genomics in India

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This is the second genomics facility to be operated by Redcliffe Labs in India



Redcliffe Labs, a startup based in Noida, has collaborated with Rajiv Gandhi Centre for Biotechnology (RGCB) in Thiruvananthapuram to manage and operate a laboratory with Single Cell Genomics and High-Throughput Sequencing technologies – a rare combination in modern genomics. Both parties have signed a Memorandum of Understanding (MoU) aiming to revolutionise the field of modern genomics.

The collaboration combines Redcliffe Labs' expertise in genomics research and its track record of delivering ambitious genomics studies and projects with RGCB's cutting-edge facilities and research prowess.

The partnership with RGCB will introduce advanced technologies like 10X Chromium, Illumina Novaseq, Nanopore Gridion, and various allied infrastructures to facilitate processing and expediting samples from the southern part of the country. By setting up a lab in Thiruvananthapuram, Redcliffe Labs is India's first company with two fully equipped genomics facilities.

Ashish Dubey, Director of Research at Redcliffe Labs, said, “We aim to provide efficient, cost-effective, and high throughput NGS services to Kerala’s Research centres like IISR, RCC, CIFE, IISER, NISER, CPCRI, and various PSUs. This facility will be a great support system for many genomics startups in Kerala, which is turning out to be a new home for genomics startups after Karnataka and Telangana,” he added.

The partnership between Redcliffe Labs and RGCB is set to advance genomics research in India and facilitate breakthroughs in healthcare, agriculture, and beyond. Prof. Chandrabhas Narayana, Director at RGCB, Thiruvananthapuram said, “Genomics-based technologies like NGS help researchers and breeders evaluate and predict genetic merit."