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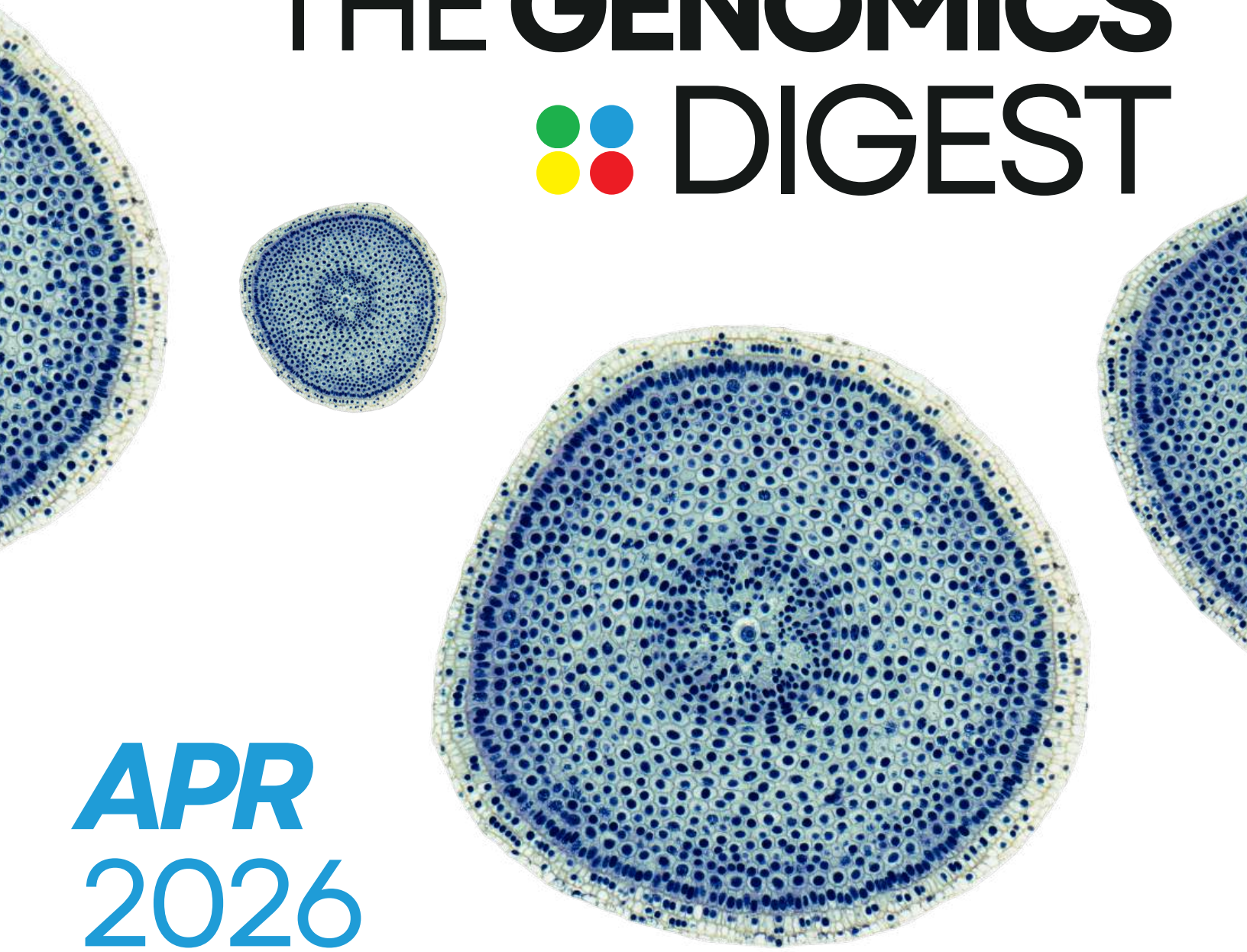
THE GENOMICS DIGEST



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EDITOR'S NOTE

Welcome to the April 2026 Edition of The Genomic Digest!

April was a focused and productive month at Genotypic Technology, marked by active participation in scientific conferences alongside several installations and hands-on training sessions across institutions. These engagements continued to strengthen our commitment to enabling genomics through both technology deployment and scientific collaboration.

Through installations and practical training programs, we worked closely with researchers and laboratories to support the effective adoption of advanced sequencing platforms and workflows. At the same time, conference participation provided valuable opportunities to connect with the broader scientific community, exchange ideas, and engage in meaningful discussions around emerging applications in genomics.

In this edition of The Genomic Digest, we bring together the key highlights from April 2026—capturing the initiatives and interactions that continue to support research, collaboration, and innovation across the genomics ecosystem.

Happy Reading!

THE GENOMICS DIGEST

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Training in 16S Sequencing and MTB Analysis

On 21st–22nd April 2026, Genotypic Technology conducted a hands-on training program focused on 16S sequencing using Oxford Nanopore Technologies along with MTB analysis using Genotypic's GTnRich panels.

The session provided participants with practical exposure to sequencing workflows, from sample preparation and library handling to sequencing execution and downstream analysis. Researchers gained a deeper understanding of microbial profiling through 16S sequencing, alongside targeted approaches for Mycobacterium tuberculosis (MTB) analysis using Genotypic's GTnRich panels.

The training was designed to bridge theoretical knowledge with real-world laboratory application, enabling participants to work confidently with long-read sequencing platforms and applied genomics workflows in research and diagnostic settings.

Direct RNA Sequencing Training at NISER, Bhubaneswar

On 23rd April 2026, Genotypic Technology conducted a Direct RNA Sequencing training at the National Institute of Science Education and Research (NISER), Bhubaneswar, using the MinION Mk1D platform from Oxford Nanopore Technologies.

The session provided researchers with practical exposure to direct RNA sequencing workflows, enabling them to understand RNA analysis without the need for reverse transcription or amplification. Participants were introduced to key steps in sample preparation, sequencing setup, and data generation using real-time long-read sequencing technology.

The hands-on training helped bridge technical understanding with practical application, supporting researchers in adopting advanced transcriptomics approaches for their ongoing and future genomics studies.

Oxford Nanopore Installation and Training at ILS, Bhubaneswar

On 24th April 2026, Genotypic Technology successfully completed the installation of the PromethION 2 Solo (P2 Solo) from Oxford Nanopore Technologies at the Institute of Life Sciences (ILS), Bhubaneswar, along with comprehensive hands-on training for researchers.

The session introduced participants to the platform's high-throughput long-read sequencing capabilities, covering instrument operation, sequencing workflows, and practical considerations for generating high-quality genomic data. Researchers gained direct exposure to the system, enabling them to confidently transition from installation to active sequencing.

With the PromethION 2 Solo now integrated into the institute's research ecosystem, the installation strengthens genomics capabilities and supports advanced applications across life sciences research.

Oxford Nanopore Installation and Training at ICAR-IIAB, Ranchi

On 25th–26th April 2026, Genotypic Technology successfully completed the installation of the PromethION 2 Solo (P2 Solo) from Oxford Nanopore Technologies at the ICAR-Indian Institute of Agricultural Biotechnology (ICAR-IIAB), Ranchi, followed by comprehensive hands-on training for researchers.

The session focused on enabling researchers to work effectively with high-throughput long-read sequencing workflows, covering platform operation, sequencing setup, and practical aspects of data generation and analysis. Participants gained direct exposure to the system, supporting a smooth transition from installation to active research applications.

With the PromethION 2 Solo now integrated into the institute's research infrastructure, the installation marks another step forward in advancing agricultural genomics and strengthening sequencing capabilities for large-scale research studies.

Genotypic Technology at RIM 2026

From 27th–29th April 2026, Genotypic Technology participated in RNA India Meeting 2026 (RIM 2026) held at the AV Rama Rao Auditorium, Indian Institute of Science, Bengaluru.

The event brought together researchers and scientists working across RNA biology and related genomics fields. Genotypic Technology engaged with the scientific community to discuss how integrated genomics solutions—from sample preparation to sequencing and downstream analysis—can support advanced research workflows.

The interactions focused on enabling practical and scalable genomics applications while addressing real-world research needs. Events like RIM 2026 continue to provide valuable opportunities for collaboration, knowledge exchange, and strengthening scientific partnerships across the genomics ecosystem.

Oxford Nanopore Installation and Training at TMC, Kolkata

On 27th April 2026, Genotypic Technology successfully completed the installation of the MinION Mk1D from Oxford Nanopore Technologies at Tata Medical Center, Kolkata, along with comprehensive hands-on training for researchers.

The session introduced participants to the platform's portable long-read sequencing capabilities, covering instrument setup, sequencing workflows, and practical approaches to real-time data generation and analysis. Researchers gained direct exposure to the system, enabling them to confidently integrate sequencing into their research and clinical applications.

With the MinION Mk1D now installed, the institution is better equipped to support rapid and flexible genomics workflows, strengthening its capacity for advanced research and precision-driven studies.

2 - 3 September, 2026 | Pre-Conference Workshop: 1st September, 2026
Dr. Babu Rajendra Prasad International Convention Centre, Bengaluru

GIC 2026

EARLY BIRD REGISTRATIONS ARE OPEN!

OFFER ENDS ON : 31st May, 2026

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